

# MIG/MAG CATALOG 4.1



MIG/MAG Welding Technology for all  
Metalworking Industries.





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Wear parts system "MB"



# MIG/MAG welding torches "MB EVO PRO"

## Air cooled • rating 150 A up to 230 A

The MB EVO PRO torch series represents a totally new concept in welding torch design, form and function. Unique ergonomics, following extensive research, provide a greater sense of control, enabling the welder to feel as "one" with his torch. The trigger position, trigger design and ball joint construction guarantee optimum balance and comfort in all welding positions.

Air cooled MB EVO PRO welding torches feature the reduced weight "BIKOX® LW" cable assembly, for even better handling and scientifically proven reduced operator fatigue, in all welding positions. Improved handling and reduced strain have further been shown to have a measurable impact on weld seam quality.

MB EVO PRO torches offer the best performance to weight ratio of any comparable torch on the market.

- Low weight BIKOX® (LW) – offering weight reduction of up to 34%
- Genuine two-component handle – robust and ergonomic
- Optimum trigger position and tapered handle design – for precise predictable handling
- Unique internal geometry for air cooled torches – enabling a cooler grip with maximum mechanical strength
- Proven "MB" wear parts – for long, economic service life
- Robust, optimised central connector



### MB EVO PRO 15

#### Technical data (EN 60 974-7):

Rating:	180 A CO <sub>2</sub> 150 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	0.6 – 1.0 mm

### MB EVO PRO 25

#### Technical data (EN 60 974-7):

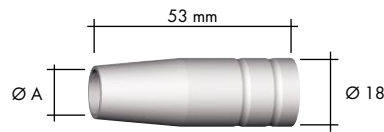
Rating:	230 A CO <sub>2</sub> 200 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	0.8 – 1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB EVO PRO 15	Type "MB EVO PRO"	002.0712.1	002.0713.1	002.0714.1	50°	002.0715.1
MB EVO PRO 25	Type "MB EVO PRO"	004.0671.1	004.0672.1	004.0673.1	50°	004.0663.1

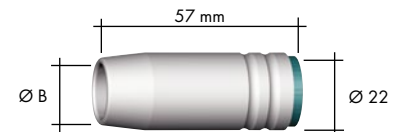
# MB EVO PRO 15, MB EVO PRO 25

## Wear parts

### MB EVO PRO 15

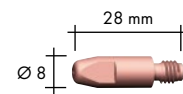
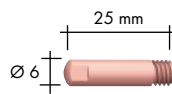


### MB EVO PRO 25



## Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075 <sup>1</sup>	Ø 15	145.0076 <sup>2</sup>
Tapered	Ø 9.5	145.0123	Ø 11.5	145.0124



## Contact tip (10 pcs.)

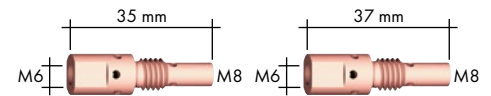
		M6	M6
E-Cu	Ø 0.6	140.0008	-
	Ø 0.8	140.0059	140.0051
	Ø 1.0	140.0253	140.0242
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.6	140.0855	-
	Ø 0.8	140.0062 <sup>1</sup>	140.0054
	Ø 1.0	140.0256	140.0245 <sup>2</sup>
	Ø 1.2	-	140.0382

## Nozzle spring (100 pcs.)



	002.0058 <sup>1</sup>	003.0013 <sup>2</sup>
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## Gas nozzle holder (1 pc.) / Contact tip holder (10 pcs.)



M6	002.0078 <sup>1</sup>	142.0001 <sup>2</sup>	142.0267.10
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Liner	for 3 m				for 4 m				for 5 m			
	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2
Liner	Ø 0.6	124.0011	124.0011 <sup>1</sup>	124.0011	124.0012	124.0012 <sup>1</sup>	124.0012	124.0012	124.0015	124.0015 <sup>1</sup>	124.0015	124.0015
	Ø 0.8	124.0011 <sup>1</sup>	124.0011	124.0011	124.0012 <sup>1</sup>	124.0012	124.0012	124.0012	124.0015 <sup>1</sup>	124.0015	124.0015	124.0015
	Ø 1.0	124.0026 <sup>2</sup>	124.0026	124.0026	124.0031 <sup>2</sup>	124.0031	124.0031	124.0031	124.0035 <sup>2</sup>	124.0035	124.0035	124.0035
	Ø 1.2	124.0026	124.0026	124.0026	124.0031	124.0031	124.0031	124.0031	124.0035	124.0035	124.0035	124.0035
PTFE liner	Ø 0.6	126.0005	126.0005	126.0005	126.0008	126.0008	126.0008	126.0008	126.0011	126.0011	126.0011	126.0011
	Ø 0.8	126.0005	126.0005	126.0005	126.0008	126.0008	126.0008	126.0008	126.0011	126.0011	126.0011	126.0011
	Ø 1.0	126.0021	126.0021	126.0021	126.0026	126.0026	126.0026	126.0026	126.0028	126.0028	126.0028	126.0028
	Ø 1.2	126.0021	126.0021	126.0021	126.0026	126.0026	126.0026	126.0026	126.0028	126.0028	126.0028	126.0028
Carbon PTFE liner	Ø 0.6	127.0002	127.0002	127.0002	127.0003	127.0003	127.0003	127.0003	127.0004	127.0004	127.0004	127.0004
	Ø 0.8	127.0002	127.0002	127.0002	127.0003	127.0003	127.0003	127.0003	127.0004	127.0004	127.0004	127.0004
	Ø 1.0	127.0005	127.0005	127.0005	127.0007	127.0007	127.0007	127.0007	127.0008	127.0008	127.0008	127.0008
	Ø 1.2	127.0005	127.0005	127.0005	127.0007	127.0007	127.0007	127.0007	127.0008	127.0008	127.0008	127.0008

<sup>1</sup> Included in the standard equipment for complete torches MB EVO PRO 15.

<sup>2</sup> Included in the standard equipment for complete torches MB EVO PRO 25.

# MIG/MAG welding torches "MB EVO PRO"

## Air cooled • rating 220 A up to 320 A

The MB EVO PRO torch series represents a totally new concept in welding torch design, form and function. Unique ergonomics, following extensive research, provide a greater sense of control, enabling the welder to feel as "one" with his torch. The trigger position, trigger design and ball joint construction guarantee optimum balance and comfort in all welding positions.

Air cooled MB EVO PRO welding torches feature the reduced weight "BIKOX® LW" cable assembly, for even better handling and scientifically proven reduced operator fatigue, in all welding positions. Improved handling and reduced strain have further been shown to have a measurable impact on weld seam quality.

MB EVO PRO torches offer the best performance to weight ratio of any comparable torch on the market.

- Low weight BIKOX® (LW) – offering weight reduction of up to 34%
- Genuine two-component handle – robust and ergonomic
- Optimum trigger position and tapered handle design – for precise predictable handling
- Unique internal geometry for air cooled torches – enabling a cooler grip with maximum mechanical strength
- Proven "MB" wear parts – for long, economic service life
- Robust, optimised central connector



### MB EVO PRO 24

#### Technical data (EN 60 974-7):

Rating: 250 A CO<sub>2</sub>  
220 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

### MB EVO PRO 26

#### Technical data (EN 60 974-7):

Rating: 270 A CO<sub>2</sub>  
240 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

### MB EVO PRO 36

#### Technical data (EN 60 974-7):

Rating: 320 A CO<sub>2</sub>  
290 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

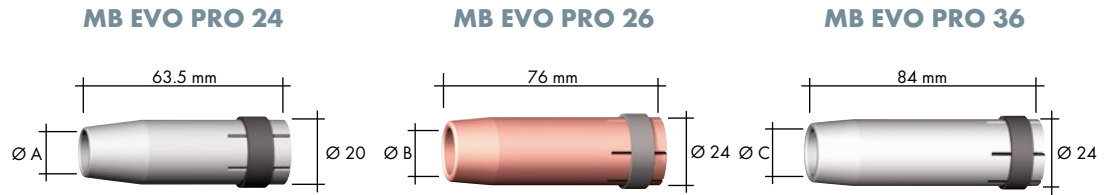
Wire size: 0.8 - 1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB EVO PRO 24	Type "MB EVO PRO"	012.0371.1	012.0372.1	012.0373.1	50°	012.0374.1
MB EVO PRO 26	Type "MB EVO PRO"	018.0211.1	018.0212.1	018.0213.1	50°	018.0214.1
MB EVO PRO 36	Type "MB EVO PRO"	014.0529.1	014.0530.1	014.0531.1	50°	014.0518.1



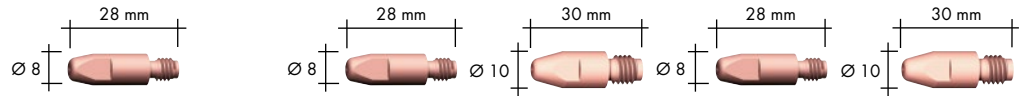
# MB EVO PRO 24, MB EVO PRO 26, MB EVO PRO 36

## Wear parts



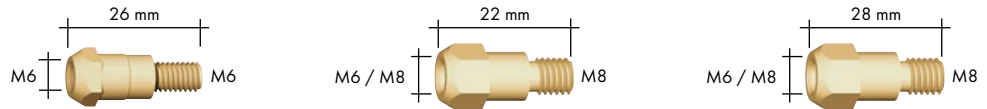
## Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 19	145.0045
Conical	Ø 12.5	145.0080 <sup>1</sup>	Ø 16	145.0085 <sup>2</sup>	Ø 16	145.0078 <sup>3</sup>
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126



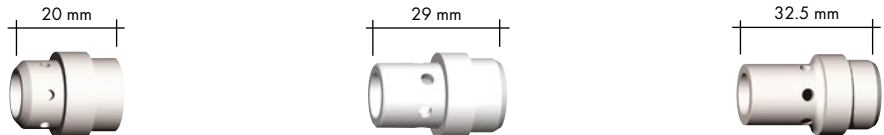
## Contact tip (10 pcs.)

	M6		M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245 <sup>1</sup>	140.0245 <sup>2</sup>	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445 <sup>3</sup>



## Contact tip holder (10 pcs.)

M6	142.0003 <sup>1</sup>	142.0007 <sup>2</sup>	142.0005
M8	-	142.0082	142.0020 <sup>3</sup>



## Gas diffuser (10 pcs.)

Standard	012.0183 <sup>1</sup>	018.0116 <sup>2</sup>	014.0261 <sup>3</sup>
Long life	-	-	014.0026
Ceramic	-	018.0141	014.0023

Liner	for 3 m				for 4 m				for 5 m			
	Liner	Ø 0.8	124.0011	124.0012	124.0015	Ø 1.0	124.0026 <sup>1, 2</sup>	124.0031 <sup>1, 2</sup>	124.0035 <sup>1, 2</sup>	Ø 1.2	124.0026 <sup>3</sup>	124.0031 <sup>3</sup>
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	Ø 1.0	126.0021	126.0026	126.0028	Ø 1.2	126.0021	126.0026	126.0028
	Ø 0.8	127.0002	127.0003	127.0004	Ø 1.0	127.0005	127.0007	127.0008	Ø 1.2	127.0005	127.0007	127.0008
	Carbon	127.0002	127.0003	127.0004	PTFE liner	127.0005	127.0007	127.0008				

<sup>1</sup> Included in the standard equipment for complete torches MB EVO PRO 24.

<sup>2</sup> Included in the standard equipment for complete torches MB EVO PRO 26.

<sup>3</sup> Included in the standard equipment for complete torches MB EVO PRO 36.

# MIG/MAG welding torches "MB EVO PRO"

## Liquid cooled • rating 300 A up to 575 A

The MB EVO PRO torch series represents a totally new concept in welding torch design, form and function. Unique ergonomics, following extensive research, provide a greater sense of control, enabling the welder to feel as „one“ with his torch. The trigger position, trigger design and ball joint construction guarantee optimum balance and comfort in all welding positions.

The appeal of liquid cooled MB EVO PRO torches is further enhanced due to the redesigned cooling concept and selected material combination. Improved front end cooling increases wear part service life and realises extra performance reserves, enabling welding at higher power outputs.

- Highest quality "MB" wear parts combined with optimised torch cooling – for maximum service life
- Genuine two-component handle – robust and ergonomic
- Optimum trigger position and tapered handle design – for precise predictable handling
- Simplified constructions eases repair through the provision of greater space for maintenance
- High performance hoses with a special protective fabric – enhancing flexibility and comfort
- Robust, optimised central connector with protected hose guide



### MB EVO PRO 240 D

#### Technical data (EN 60 974-7):

Rating: 325 A CO<sub>2</sub>  
300 A mixed gas M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

### MB EVO PRO 401 D / MB EVO PRO 401

#### Technical data (EN 60 974-7):

Rating: 450 A / 475 A CO<sub>2</sub>  
400 A / 425 A mixed gas M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

### MB EVO PRO 501 D / MB EVO PRO 501

#### Technical data (EN 60 974-7):

Rating: 550 A / 575 A CO<sub>2</sub>  
500 A / 525 A mixed gas M21 (DIN EN ISO 14175)

Duty cycle: 100%

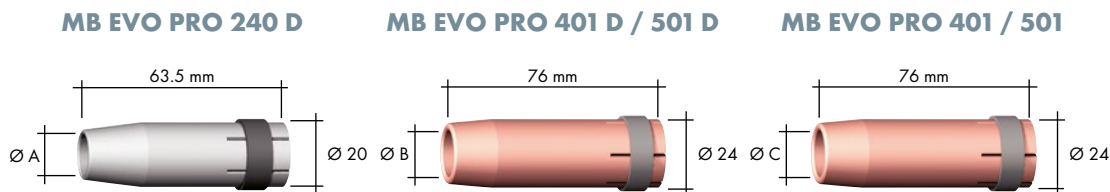
Wire size: 1.0 – 1.6 mm

Torch complete Type	Handle	3 m	Part-No.			Swan neck	
			4 m	5 m	Type	Part-No.	
MB EVO PRO 240 D	Type "MB EVO PRO"	023.0319.1	023.0320.1	023.0321.1	50°	023.0316.1	
MB EVO PRO 401 D	Type "MB EVO PRO"	033.0384.1	033.0385.1	033.0386.1	50°	033.0378.1	
MB EVO PRO 401	Type "MB EVO PRO"	030.0244.1	030.0245.1	030.0246.1	50°	030.0242.1	
MB EVO PRO 501 D	Type "MB EVO PRO"	034.0862.1	034.0863.1	034.0864.1	50°	034.0856.1	
MB EVO PRO 501	Type "MB EVO PRO"	032.0269.1	032.0270.1	032.0271.1	50°	032.0267.1	

**Note for liquid cooled torches:** To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

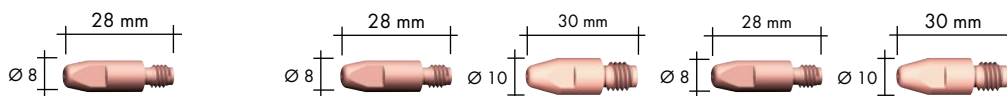
# MB EVO PRO 240 D, MB EVO PRO 401 / 401 D, MB EVO PRO 501 / 501 D

## Wear parts



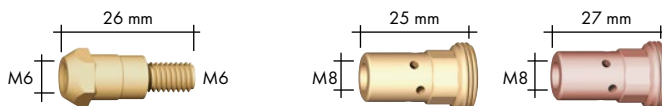
## Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 20	145.0051
Conical	Ø 12.5	145.0080 <sup>1</sup>	Ø 16	145.0085 <sup>2</sup>	Ø 16	145.0085 <sup>3</sup>
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 14	145.0132



## Contact tip (10 pcs.)

		M6	M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442
	Ø 1.6	-	140.0555	140.0587	140.0555	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
	Ø 1.6	-	141.0020	141.0022	141.0020	141.0022
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245 <sup>1</sup>	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445 <sup>2</sup>	140.0382	140.0445 <sup>3</sup>
	Ø 1.6	-	140.0558	140.0590	140.0558	140.0590



## Contact tip holder (10 pcs.)

M6	142.0003 <sup>1</sup>	142.0008	-	-
M8	-	142.0022	142.0201.10 <sup>2</sup>	-



## Gas diffuser (10 pcs.)

Standard	012.0183 <sup>1</sup>	030.0145 <sup>2</sup>	030.0145 <sup>3</sup>
Long life	-	030.0037	030.0037
Ceramic	-	030.0190	030.0190

Liner		for 3 m			for 4 m			for 5 m					
		Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6
Liner	Ø 0.8	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139
	Ø 1.0	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>
	Ø 1.2	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>
	Ø 1.6	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013

<sup>1</sup> Included in the standard equipment for complete torches MB EVO PRO 240 D.

<sup>2</sup> Included in the standard equipment for complete torches MB EVO PRO 401 D / 501 D.

<sup>3</sup> Included in the standard equipment for complete torches MB EVO PRO 401 / 501.

# MIG/MAG welding torches "MB EVO"

## Air cooled • rating 150 A up to 230 A

The MB EVO torch series stands for a completely new handling concept that goes down new roads with regard to form and function. The welding torch forms a strong unit together with the welder's hand. The unique ergonomics as interplay between handle, trigger position, trigger design and ball joint construction guarantees a good feeling for welding in all working positions as well as the best results.

- Genuine two-component handle – robust and ergonomic
- Optimum trigger position and tapered handle design – for precise and safe handling
- Special internal geometry with air cooled torches – for "cool" handles and maximum mechanical strength
- Proven "MB" wearing part concept – for a long service life
- Solid, size-optimised central connector



### MB EVO 15

#### Technical data (EN 60 974-7):

Rating: 180 / 150 A CO<sub>2</sub>  
180 / 150 A mixed gas  
M21 (DIN EN ISO 14175)

Duty cycle: 35% / 60%

Wire size: 0.6 – 1.0 mm

### MB EVO 25

#### Technical data (EN 60 974-7):

Rating: 230 A CO<sub>2</sub>  
200 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

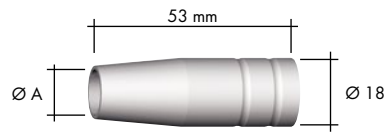
Wire size: 0.8 – 1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB EVO 15	Type "MB EVO"	002.0709.1	002.0710.1	002.0711.1	50°	002.0715.1
MB EVO 25	Type "MB EVO"	004.0668.1	004.0669.1	004.0670.1	50°	004.0663.1

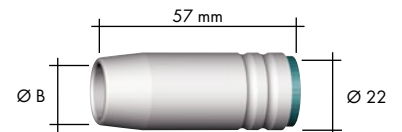
# MB EVO 15, MB EVO 25

## Wear parts

### MB EVO 15

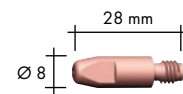
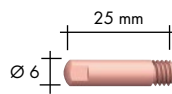


### MB EVO 25



## Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075 <sup>1</sup>	Ø 15	145.0076 <sup>2</sup>
Tapered	Ø 9.5	145.0123	Ø 11.5	145.0124



## Contact tip (10 pcs.)

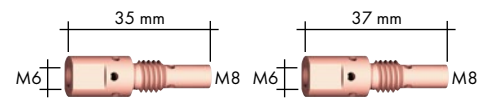
		M6	M6
E-Cu	Ø 0.6	140.0008	-
	Ø 0.8	140.0059 <sup>1</sup>	140.0051
	Ø 1.0	140.0253	140.0242 <sup>2</sup>
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.6	140.0855	-
	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382

## Nozzle spring (100 pcs.)



	002.0058 <sup>1</sup>	003.0013 <sup>2</sup>
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## Gas nozzle holder (1 pc.) / Contact tip holder (10 pcs.)



M6	002.0078 <sup>1</sup>	142.0001 <sup>2</sup>	142.0267.10
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Liner		for 3 m			for 4 m			for 5 m		
		Ø			Ø			Ø		
Liner	Ø 0.6		124.0011		124.0012		124.0015			
	Ø 0.8		124.0011 <sup>1</sup>		124.0012 <sup>1</sup>		124.0015 <sup>1</sup>			
	Ø 1.0		124.0026 <sup>2</sup>		124.0031 <sup>2</sup>		124.0035 <sup>2</sup>			
	Ø 1.2		124.0026		124.0031		124.0035			
PTFE liner	Ø 0.6		126.0005		126.0008		126.0011			
	Ø 0.8		126.0005		126.0008		126.0011			
	Ø 1.0		126.0021		126.0026		126.0028			
	Ø 1.2		126.0021		126.0026		126.0028			
Carbon PTFE liner	Ø 0.6		127.0002		127.0003		127.0004			
	Ø 0.8		127.0002		127.0003		127.0004			
	Ø 1.0		127.0005		127.0007		127.0008			
	Ø 1.2		127.0005		127.0007		127.0008			

<sup>1</sup> Included in the standard equipment for complete torches MB EVO 15.

<sup>2</sup> Included in the standard equipment for complete torches MB EVO 25.

# MIG/MAG welding torches "MB EVO"

## Air cooled • rating 220 A up to 320 A

The MB EVO torch series stands for a completely new handling concept that goes down new roads with regard to form and function. The welding torch forms a strong unit together with the welder's hand. The unique ergonomics as interplay between handle, trigger position, trigger design and ball joint construction guarantees a good feeling for welding in all working positions as well as the best results.

- Genuine two-component handle – robust and ergonomic
- Optimum trigger position and tapered handle design – for precise and safe handling
- Special internal geometry with air cooled torches – for "cool" handles and maximum mechanical strength
- Proven "MB" wearing part concept – for a long service life
- Solid, size-optimised central connector



### MB EVO 24

#### Technical data (EN 60 974-7):

Rating: 250 A CO<sub>2</sub>  
220 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

### MB EVO 26

#### Technical data (EN 60 974-7):

Rating: 270 A CO<sub>2</sub>  
240 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

### MB EVO 36

#### Technical data (EN 60 974-7):

Rating: 320 A CO<sub>2</sub>  
290 A mixed gas M21  
(DIN EN ISO 14175)

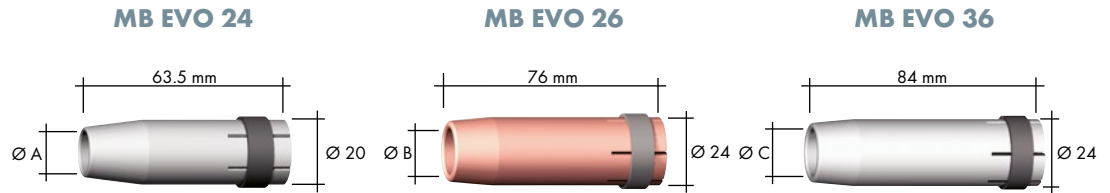
Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB EVO 24	Type "MB EVO"	012.0368.1	012.0369.1	012.0370.1	50°	012.0374.1
MB EVO 26	Type "MB EVO"	018.0208.1	018.0209.1	018.0210.1	50°	018.0214.1
MB EVO 36	Type "MB EVO"	014.0526.1	014.0527.1	014.0528.1	50°	014.0518.1

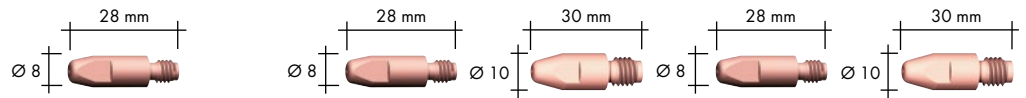
# MB EVO 24, MB EVO 26, MB EVO 36

## Wear parts



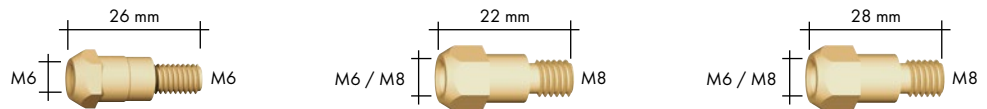
## Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 19	145.0045
Conical	Ø 12.5	145.0080 <sup>1</sup>	Ø 16	145.0085 <sup>2</sup>	Ø 16	145.0078 <sup>3</sup>
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126



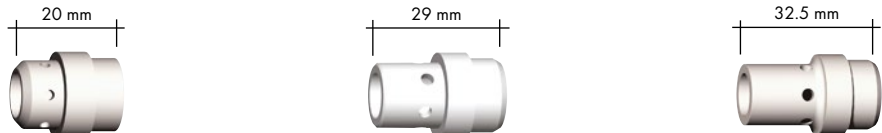
## Contact tip (10 pcs.)

	M6	M6	M8	M6	M8	
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242 <sup>1</sup>	140.0242 <sup>2</sup>	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442 <sup>3</sup>
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445



## Contact tip holder (10 pcs.)

M6	142.0003 <sup>1</sup>	142.0007 <sup>2</sup>	142.0005
M8	-	142.0082	142.0020 <sup>3</sup>



## Gas diffuser (10 pcs.)

Standard	012.0183 <sup>1</sup>	018.0116 <sup>2</sup>	014.0261 <sup>3</sup>
Long life	-	-	014.0026
Ceramic	-	018.0141	014.0023

Liner		for 3 m			for 4 m			for 5 m		
		Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.8	Ø 1.0	Ø 1.2
Liner	Ø 0.8	124.0011	124.0011	124.0011	124.0012	124.0012	124.0012	124.0015	124.0015	124.0015
	Ø 1.0	124.0026 <sup>1, 2</sup>	124.0026 <sup>1, 2</sup>	124.0026 <sup>1, 2</sup>	124.0031 <sup>1, 2</sup>	124.0031 <sup>1, 2</sup>	124.0031 <sup>1, 2</sup>	124.0035 <sup>1, 2</sup>	124.0035 <sup>1, 2</sup>	124.0035 <sup>1, 2</sup>
	Ø 1.2	124.0026 <sup>3</sup>	124.0026 <sup>3</sup>	124.0026 <sup>3</sup>	124.0031 <sup>3</sup>	124.0031 <sup>3</sup>	124.0031 <sup>3</sup>	124.0035 <sup>3</sup>	124.0035 <sup>3</sup>	124.0035 <sup>3</sup>
PTFE liner	Ø 0.8	126.0005	126.0005	126.0005	126.0008	126.0008	126.0008	126.0011	126.0011	126.0011
	Ø 1.0	126.0021	126.0021	126.0021	126.0026	126.0026	126.0026	126.0028	126.0028	126.0028
	Ø 1.2	126.0021	126.0021	126.0021	126.0026	126.0026	126.0026	126.0028	126.0028	126.0028
Carbon PTFE liner	Ø 0.8	127.0002	127.0002	127.0002	127.0003	127.0003	127.0003	127.0004	127.0004	127.0004
	Ø 1.0	127.0005	127.0005	127.0005	127.0007	127.0007	127.0007	127.0008	127.0008	127.0008
	Ø 1.2	127.0005	127.0005	127.0005	127.0007	127.0007	127.0007	127.0008	127.0008	127.0008

<sup>1</sup> Included in the standard equipment for complete torches MB EVO 24.

<sup>2</sup> Included in the standard equipment for complete torches MB EVO 26.

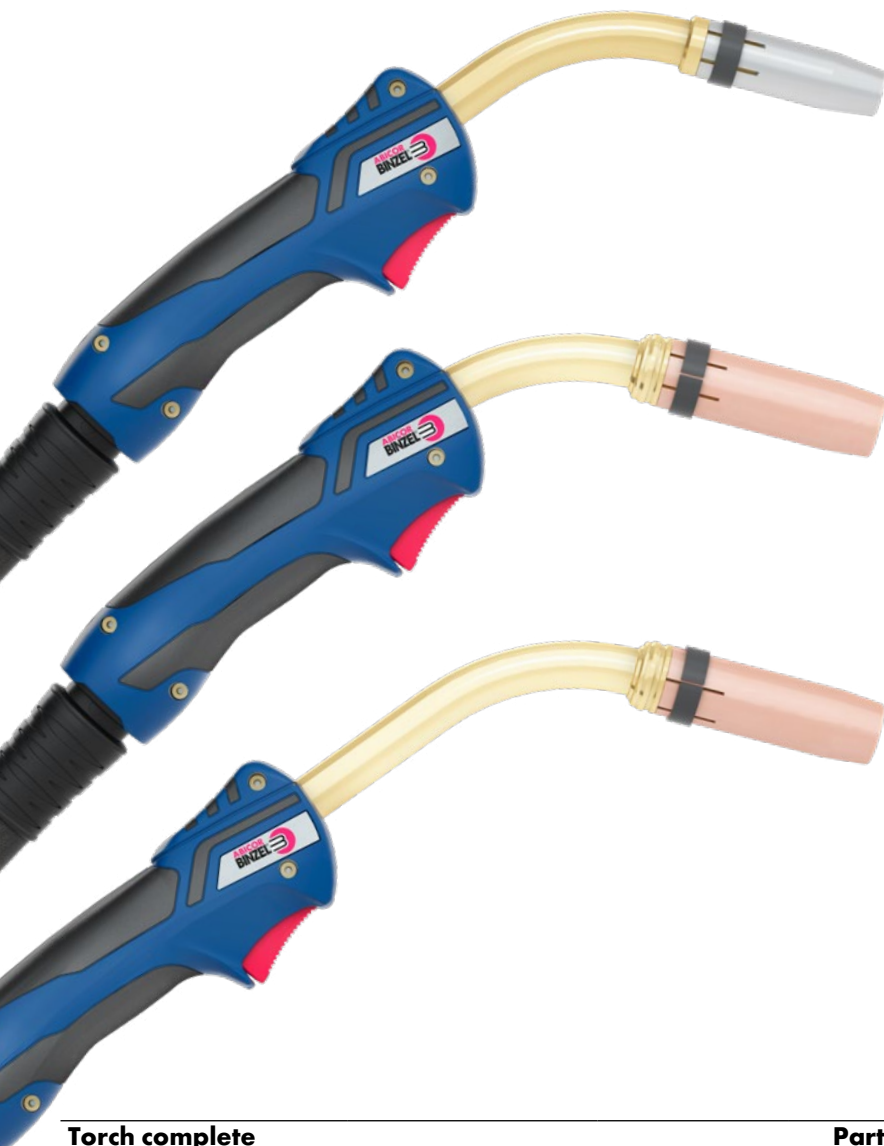
<sup>3</sup> Included in the standard equipment for complete torches MB EVO 36.

# MIG/MAG welding torches "MB EVO"

## Liquid cooled • rating 270 A up to 550 A

The MB EVO torch series stands for a completely new handling concept that goes down new roads with regard to form and function. The welding torch forms a strong unit together with the welder's hand. The unique ergonomics as interplay between handle, trigger position, trigger design and ball joint construction guarantees a good feeling for welding in all working positions as well as the best results.

- Genuine two-component handle – robust and ergonomic
- Proven "MB" wearing part concept and media hoses
- Optimum trigger position, tapered handle design and sophisticated ball joint construction – for best handling in all welding positions
- Easy to repair construction down to the last detail – best space conditions for the simplest maintenance measures
- Solid, size-optimised central connector with protected hose guide



### MB EVO 240 D

#### Technical data (EN 60 974-7):

Rating: 300 A CO<sub>2</sub>  
270 A mixed gas M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

### MB EVO 401 D / MB EVO 401

#### Technical data (EN 60 974-7):

Rating: 400 A / 450 A CO<sub>2</sub>  
350 A / 400 A mixed gas M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

### MB EVO 501 D / MB EVO 501

#### Technical data (EN 60 974-7):

Rating: 500 A / 550 A CO<sub>2</sub>  
450 A / 500 A mixed gas M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 1.0 – 1.6 mm

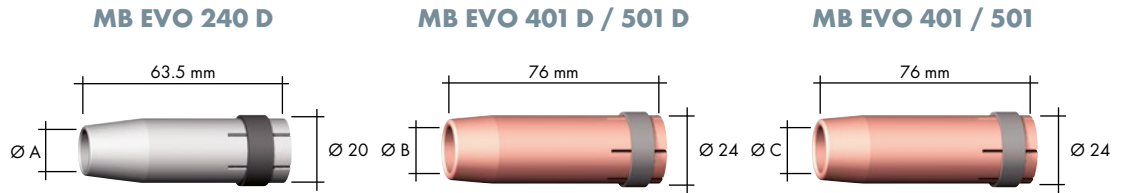
Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB EVO 240 D	Type "MB EVO"	023.0322.1	023.0323.1	023.0324.1	50°	023.0316.1
MB EVO 401 D	Type "MB EVO"	033.0387.1	033.0388.1	033.0389.1	50°	033.0378.1
MB EVO 401	Type "MB EVO"	030.0247.1	030.0248.1	030.0249.1	50°	030.0242.1
MB EVO 501 D	Type "MB EVO"	034.0865.1	034.0866.1	034.0867.1	50°	034.0856.1
MB EVO 501	Type "MB EVO"	032.0272.1	032.0273.1	032.0274.1	50°	032.0267.1

**Note for liquid cooled torches:** To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.



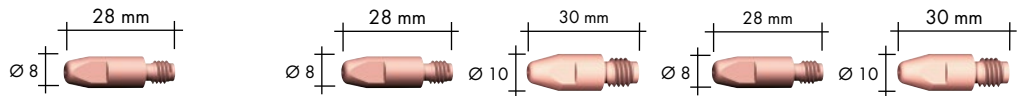
# MB EVO 240 D, MB EVO 401 / 401 D, MB EVO 501 / 501 D

## Wear parts



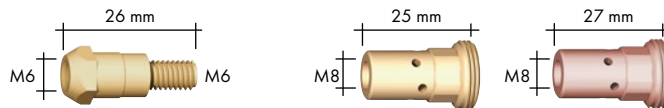
## Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 20	145.0051
Conical	Ø 12.5	145.0080 <sup>1</sup>	Ø 16	145.0085 <sup>2</sup>	Ø 16	145.0085 <sup>3</sup>
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 14	145.0132



## Contact tip (10 pcs.)

		M6	M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242 <sup>1</sup>	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442 <sup>2</sup>	140.0379	140.0442 <sup>3</sup>
	Ø 1.6	-	140.0555	140.0587	140.0555	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
	Ø 1.6	-	141.0020	141.0022	141.0020	141.0022
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445
	Ø 1.6	-	140.0558	140.0590	140.0558	140.0590



## Contact tip holder (10 pcs.)

M6	142.0003 <sup>1</sup>	142.0008	-	-
M8	-	142.0022 <sup>2</sup>	142.0201.10	-



## Gas diffuser (10 pcs.)

Standard	012.0183 <sup>1</sup>	030.0145 <sup>2</sup>	030.0145 <sup>3</sup>
Long life	-	030.0037	030.0037
Ceramic	-	030.0190	030.0190

Liner		for 3 m			for 4 m			for 5 m					
		Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6
Liner	Ø 0.8	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139
	Ø 1.0	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>	124.0111 <sup>1</sup>	124.0112 <sup>1</sup>	124.0113 <sup>1</sup>
	Ø 1.2	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>	124.0111 <sup>2,3</sup>	124.0112 <sup>2,3</sup>	124.0113 <sup>2,3</sup>
	Ø 1.6	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013

<sup>1</sup> Included in the standard equipment for complete torches MB EVO 240 D.

<sup>2</sup> Included in the standard equipment for complete torches MB EVO 401 D / 501 D.

<sup>3</sup> Included in the standard equipment for complete torches MB EVO 401 / 501.

# MIG/MAG welding torches "MB GRIP"

## Air cooled • rating 150 A up to 230 A

The MIG/MAG Torch series "MB GRIP", in air and liquid cooled varieties is the finest solution of its kind. It combines progressive technology and quality with optimum ergonomics, enabling trouble-free operation for every application.

"GRIP" insert and ball joint in the handle guarantees high grip safety as well as optimal handling. All torches are carefully designed to provide comfortable and precise operation.

- Ergonomic short handle with "GRIP" insert – for best accessibility
- "GRIP" soft components on the handle and thumb rest – positive handling even in extreme conditions
- Short ball joint with optimum movement radius – perfect handling
- Optimum cooling of the torch – extending torch life
- Bikox® R air cooled torches – high flexibility even at low temperatures, extremely UV resistant, considerably increased temperature resistance and tensile strength
- Time saving torch change over due to the ABICOR BINZEL central connector



### MB GRIP 15 AK

#### Technical data (EN 60 974-7):

Rating: 180 A CO<sub>2</sub>  
150 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.6 – 1.0 mm

### MB GRIP 25 AK

#### Technical data (EN 60 974-7):

Rating: 230 A CO<sub>2</sub>  
200 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

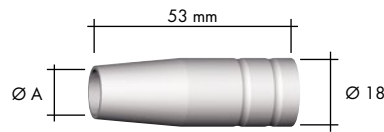
Wire size: 0.8 – 1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB GRIP 15 AK	Type "MB GRIP"	002.0604	002.0605	002.0606	50°	002.0009
MB GRIP 25 AK	Type "MB GRIP"	004.0510	004.0511	004.0512	50°	004.0012

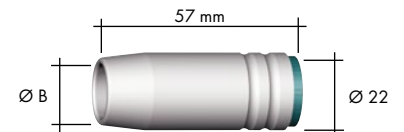
# MB GRIP 15, MB GRIP 25

## Wear parts

### MB GRIP 15 AK

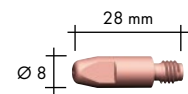
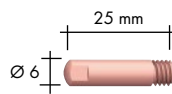


### MB GRIP 25 AK



## Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075 <sup>1</sup>	Ø 15	145.0076 <sup>2</sup>
Tapered	Ø 9.5	145.0123	Ø 11.5	145.0124



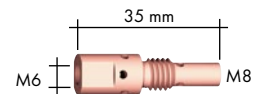
## Contact tip (10 pcs.)

		M6		M6	
E-Cu	Ø 0.6	140.0008	-		
	Ø 0.8	140.0059 <sup>1</sup>	140.0051		
	Ø 1.0	140.0253	140.0242 <sup>2</sup>		
	Ø 1.2	-	140.0379		
E-Cu for Al	Ø 0.8	141.0002	141.0001		
	Ø 1.0	141.0007	141.0006		
	Ø 1.2	-	141.0010		
CuCrZr	Ø 0.6	140.0855	-		
	Ø 0.8	140.0062	140.0054		
	Ø 1.0	140.0256	140.0245		
	Ø 1.2	-	140.0382		



## Nozzle spring (100 pcs.)

	002.0058 <sup>1</sup>	003.0013 <sup>2</sup>
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## Gas nozzle holder / Contact tip holder

M6	002.0078 <sup>1</sup>	142.0001 <sup>2</sup> (10 pcs.)
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Liner	for 3 m				for 4 m				for 5 m				
	Insulated liner	Ø 0.6	124.0011	124.0012	124.0015	Ø 0.8	124.0011 <sup>1</sup>	124.0012 <sup>1</sup>	124.0015 <sup>1</sup>	Ø 1.0	124.0026 <sup>2</sup>	124.0031 <sup>2</sup>	124.0035 <sup>2</sup>
PTFE liner	Ø 1.2	124.0026	124.0031	124.0035	Ø 0.6	126.0005	126.0008	126.0011	Ø 0.8	126.0005	126.0008	126.0011	
	Ø 1.0	126.0021	126.0026	126.0028	Ø 1.0	126.0021	126.0026	126.0028	Ø 1.2	126.0021	126.0026	126.0028	
	Carbon PTFE liner	Ø 0.6	127.0002	127.0003	127.0004	Ø 0.6	127.0002	127.0003	127.0004	Ø 0.8	127.0002	127.0003	127.0004
		Ø 1.0	127.0005	127.0007	127.0008	Ø 1.0	127.0005	127.0007	127.0008	Ø 1.2	127.0005	127.0007	127.0008
Ø 1.2		127.0005	127.0007	127.0008									

<sup>1</sup> Included in the standard equipment for complete torches MB GRIP 15 AK.

<sup>2</sup> Included in the standard equipment for complete torches MB GRIP 25 AK.

# MIG/MAG welding torches "MB GRIP"

## Air cooled • rating 220 A up to 320 A

- Ergonomic short handle with "GRIP" insert – for best accessibility
- "GRIP", soft components on the handle and thumb rest – positive handling even in extreme conditions
- Short ball joint with optimum movement radius – perfect handling
- Optimum cooling of the torch – extending torch life
- Bikox® R air cooled torches – high flexibility even at low temperatures, extremely UV resistant, considerably increased temperature resistance and tensile strength
- Time saving torch change over due to the ABICOR BINZEL central connector



### MB GRIP 24 KD

#### Technical data (EN 60 974-7):

Rating: 250 A CO<sub>2</sub>  
220 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

### MB GRIP 26 KD

#### Technical data (EN 60 974-7):

Rating: 270 A CO<sub>2</sub>  
240 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

### MB GRIP 36 KD

#### Technical data (EN 60 974-7):

Rating: 320 A CO<sub>2</sub>  
290 A mixed gas M21  
(DIN EN ISO 14175)

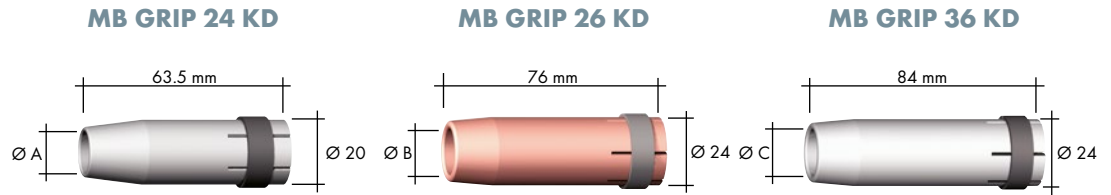
Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB GRIP 24 KD	Type "MB GRIP"	012.0251	012.0252	012.0253	50°	012.0001
MB GRIP 26 KD	Type "MB GRIP"	018.0146	018.0147	018.0148	50°	018.0001
MB GRIP 36 KD	Type "MB GRIP"	014.0334	014.0335	014.0336	50°	014.0006

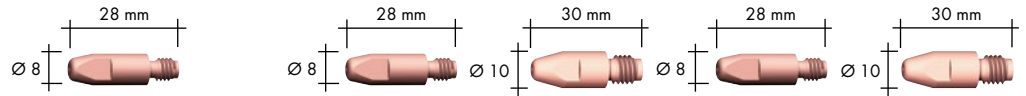
# MB GRIP 24, MB GRIP 26, MB GRIP 36

## Wear parts



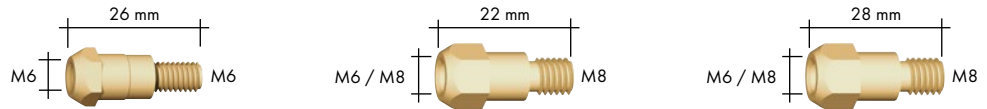
## Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 19	145.0045
Conical	Ø 12.5	145.0080 <sup>1</sup>	Ø 16	145.0085 <sup>2</sup>	Ø 16	145.0078 <sup>3</sup>
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126



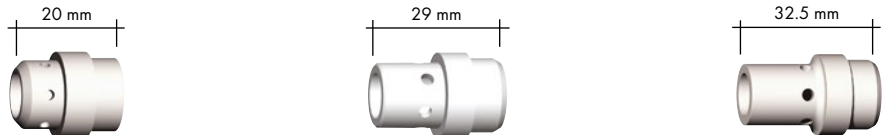
## Contact tip (10 pcs.)

	M6		M6		M8		M6		M8	
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242 <sup>1</sup>	140.0242 <sup>2</sup>	140.0313	140.0242	140.0313	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442 <sup>3</sup>	140.0379	140.0442 <sup>3</sup>	140.0379	140.0442 <sup>3</sup>
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015	141.0010	141.0015	141.0010	141.0015
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445	140.0382	140.0445	140.0382	140.0445



## Contact tip holder (10 pcs.)

M6	142.0003 <sup>1</sup>	142.0007 <sup>2</sup>	142.0005
M8	-	142.0082	142.0020 <sup>3</sup>



## Gas diffuser (10 pcs.)

Standard	012.0183 <sup>1</sup>	018.0116 <sup>2</sup>	014.0261 <sup>3</sup>
Long life	-	-	014.0026
Ceramic	-	018.0141	014.0023

Liner	for 3 m				for 4 m				for 5 m				
	Insulated liner	Ø 0.8	124.0011	124.0012	124.0015	Ø 1.0	124.0026 <sup>1, 2</sup>	124.0031 <sup>1, 2</sup>	124.0035 <sup>1, 2</sup>	Ø 1.2	124.0026 <sup>3</sup>	124.0031 <sup>3</sup>	124.0035 <sup>3</sup>
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	Ø 1.0	126.0021	126.0026	126.0028	Ø 1.2	126.0021	126.0026	126.0028	
	Carbon	Ø 0.8	127.0002	127.0003	127.0004	Ø 1.0	127.0005	127.0007	127.0008	Ø 1.2	127.0005	127.0007	127.0008
	PTFE liner	Ø 1.0	127.0005	127.0007	127.0008	Ø 1.2	127.0005	127.0007	127.0008				

<sup>1</sup> Included in the standard equipment for complete torches MB GRIP 24 KD.

<sup>2</sup> Included in the standard equipment for complete torches MB GRIP 26 KD.

<sup>3</sup> Included in the standard equipment for complete torches MB GRIP 36 KD.

# MIG/MAG welding torches "MB GRIP"

## Liquid cooled • rating 270 A up to 550 A

- Ergonomic short handle with "GRIP" insert – for best accessibility
- "GRIP", soft components on the handle and thumb rest – positive handling even in extreme conditions
- Ball joint with optimum movement radius – perfect handling
- Optimum cooling of the torch – extending torch life
- Time saving torch change over due to the ABICOR BINZEL central connector
- Ergonomically and technically proven and 100% reliable



### MB GRIP 240 D

#### Technical data (EN 60 974-7):

Rating: 300 A CO<sub>2</sub>  
270 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

### MB GRIP 401 D / MB GRIP 401

#### Technical data (EN 60 974-7):

Rating: 400 A / 450 A CO<sub>2</sub>  
350 A / 400 A mixed gas  
M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

### MB GRIP 501 D / MB GRIP 501

#### Technical data (EN 60 974-7):

Rating: 500 A / 550 A CO<sub>2</sub>  
450 A / 500 A mixed gas  
M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 1.0 – 1.6 mm

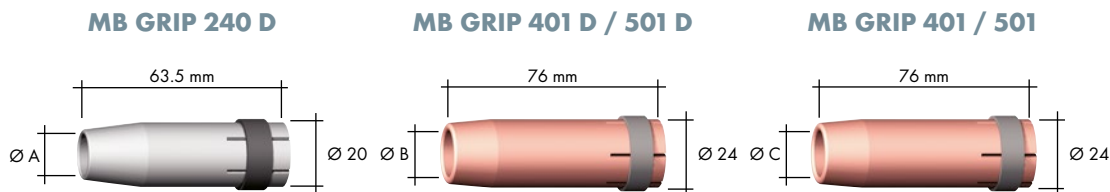
#### Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB GRIP 240 D	Type "MB GRIP"	023.0225	023.0226	023.0227	50°	023.0228
MB GRIP 401 D	Type "MB GRIP"	033.0271	033.0272	033.0273	50°	033.0277
MB GRIP 401	Type "MB GRIP"	030.0205	030.0206	030.0207	50°	030.0208
MB GRIP 501 D	Type "MB GRIP"	034.0492	034.0493	034.0494	50°	034.0496
MB GRIP 501	Type "MB GRIP"	032.0231	032.0232	032.0233	50°	032.0234

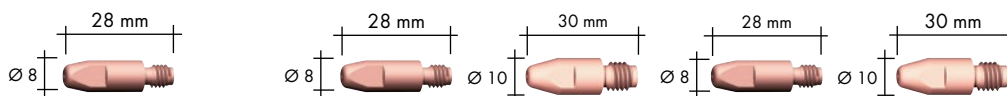
# MB GRIP 240 D, MB GRIP 401 / 401 D, MB GRIP 501 / 501 D

## Wear parts



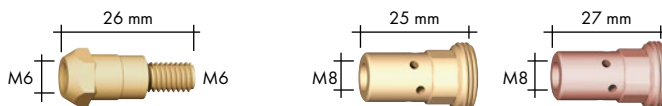
## Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 20	145.0051
Conical	Ø 12.5	145.0080 <sup>1</sup>	Ø 16	145.0085 <sup>2</sup>	Ø 16	145.0085 <sup>3</sup>
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 14	145.0132



## Contact tip (10 pcs.)

		M6	M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242 <sup>1</sup>	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442 <sup>2</sup>	140.0379	140.0442 <sup>3</sup>
	Ø 1.6	-	140.0555	140.0587	140.0555	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
	Ø 1.6	-	141.0020	141.0022	141.0020	141.0022
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445
	Ø 1.6	-	140.0558	140.0590	140.0558	140.0590



## Contact tip holder (10 pcs.)

M6	142.0003 <sup>1</sup>	142.0008	-	-
M8	-	142.0022	142.0201.10 <sup>2</sup>	-



## Gas diffuser (10 pcs.)

Standard	012.0183 <sup>1</sup>	030.0145 <sup>2</sup>	030.0145 <sup>3</sup>
Long life	-	030.0037	030.0037
Ceramic	-	030.0190	030.0190

Liner		for 3 m			for 4 m			for 5 m					
		Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6
Liner	Ø 0.8	122.0005	122.0007	122.0009	122.0005	122.0007	122.0009	122.0005	122.0007	122.0009	122.0005	122.0007	122.0009
	Ø 1.0	122.0031 <sup>1</sup>	122.0036 <sup>1</sup>	122.0039 <sup>1</sup>	122.0031 <sup>1</sup>	122.0036 <sup>1</sup>	122.0039 <sup>1</sup>	122.0031 <sup>1</sup>	122.0036 <sup>1</sup>	122.0039 <sup>1</sup>	122.0031 <sup>1</sup>	122.0036 <sup>1</sup>	122.0039 <sup>1</sup>
	Ø 1.2	122.0031 <sup>2,3</sup>	122.0036 <sup>2,3</sup>	122.0039 <sup>2,3</sup>	122.0031 <sup>2,3</sup>	122.0036 <sup>2,3</sup>	122.0039 <sup>2,3</sup>	122.0031 <sup>2,3</sup>	122.0036 <sup>2,3</sup>	122.0039 <sup>2,3</sup>	122.0031 <sup>2,3</sup>	122.0036 <sup>2,3</sup>	122.0039 <sup>2,3</sup>
	Ø 1.6	122.0056	122.0060	122.0063	122.0056	122.0060	122.0063	122.0056	122.0060	122.0063	122.0056	122.0060	122.0063
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045
Carbon	Ø 0.8	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004
	PTFE liner	Ø 1.0	127.0005	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013

<sup>1</sup> Included in the standard equipment for complete torches MB GRIP 240 D.

<sup>2</sup> Included in the standard equipment for complete torches MB GRIP 401 D / 501 D.

<sup>3</sup> Included in the standard equipment for complete torches MB GRIP 401 / 501.

# MIG/MAG welding torches "ABIMIG® GRIP W"

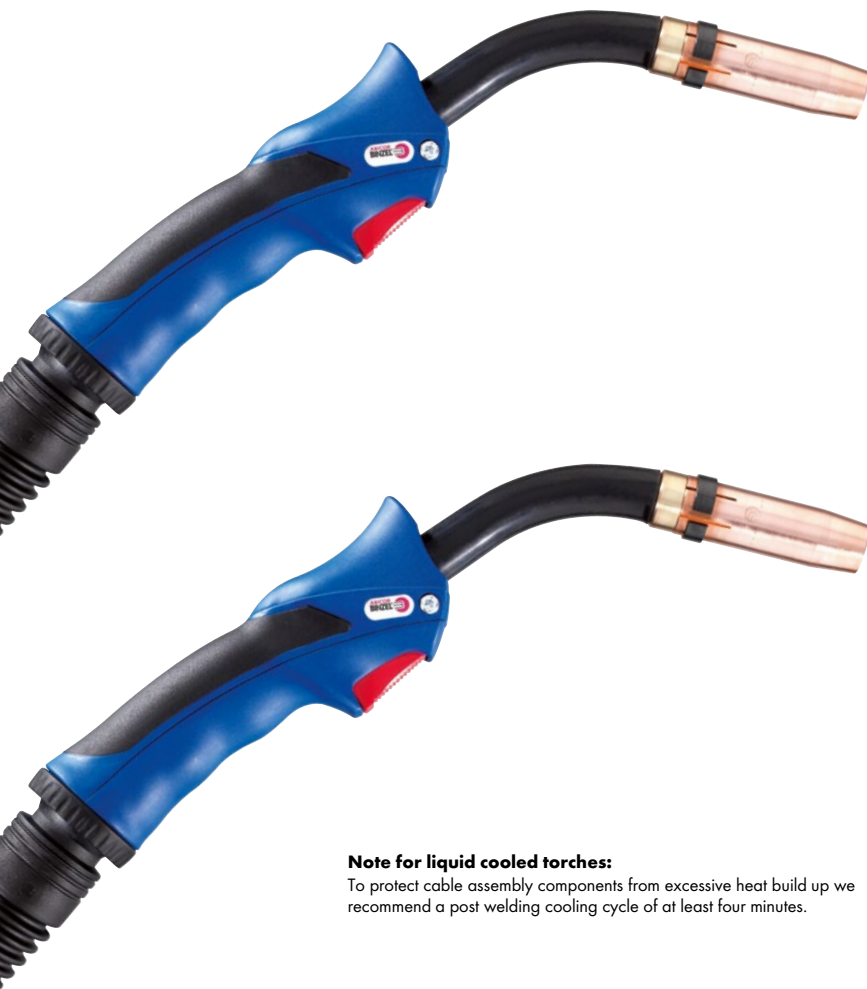
## Liquid cooled • rating 400 A up to 575 A

MIG/MAG welding torches ABIMIG® GRIP W liquid cooled with the innovative two-component handle system "GRIP" combine ergonomics and feel with all common module variations (for switch and control functions) as well as "top trigger" solutions. "GRIP" insert and ball joint in the handle guarantees secure grip and optimal handling.

The liquid cooled ABIMIG® GRIP W torches particularly excel in pulse arc welding due to an optimized dual-circuit cooling system that ensures "extra-cool" wear parts and therefore extended service life.

All torches are thoroughly designed to provide comfortable and precise operation.

- Dual-circuit cooling system with increased cooling liquid flow and novel heat dissipation for optimum power and heat conduction – guarantees less spatter adhesion and therefore extremely extended service life of wear and spare parts
- Additional torch neck protection through a UV, ozone and temperature resistant protective cover – for longer torch service life
- The newly developed torch neck and handle system ABIMIG® GRIP with ball joint guarantees optimum balance – even for welding tasks when access is difficult
- Except the tip holder, all spare and wear parts of the ABIMIG® GRIP W 555 series are compatible with the torch series MB 401/501 – reduced stocking requirements
- Mechanically resilient and robust tip holder (optionally soldered or changeable) – long service life



### ABIMIG® GRIP W 555 D / ABIMIG® GRIP W 555 D TS

#### Technical data (EN 60 974-7):

Rating:	550 A CO <sub>2</sub> 500 A mixed gas 400 A Pulse
Duty cycle:	100%
Wire size:	0.8 – 1.6 mm

### ABIMIG® GRIP W 555

#### Technical data (EN 60 974-7):

Rating:	575 A CO <sub>2</sub> 525 A mixed gas 400 A Pulse
Duty cycle:	100%
Wire size:	0.8 – 1.6 mm

#### Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	3 m	Part-No.			Swan neck	
			4 m	5 m	Type	Part-No.	
ABIMIG® GRIP W 555 D	Type "ABIMIG® GRIP"	766.0526.1	766.0527.1	766.0528.1	50°	766.0532.1	
ABIMIG® GRIP W 555 D TS	Type "ABIMIG® GRIP"	766.1457.1	766.1458.1	766.1459.1	50°	766.0900.1	
ABIMIG® GRIP W 555	Type "ABIMIG® GRIP"	766.0529.1	766.0530.1	766.0531.1	50°	766.0533.1	



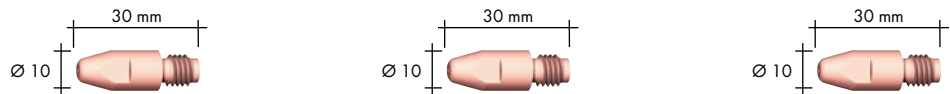
# ABIMIG® GRIP W 555 D, ABIMIG® GRIP W 555, ABIMIG® GRIP W 555 D TS

## Wear parts



## Gas nozzle

	Ø A		Ø A		Ø A	
Cylindrical	Ø 20	145.0051	Ø 20	145.0709.5	Ø 20	145.0051
Conical	Ø 16	145.0085 <sup>1</sup>	Ø 16	145.0708.5 <sup>2</sup>	Ø 16	145.0085 <sup>3</sup>
Tapered	Ø 14	145.0132	Ø 13	145.0734.5	Ø 14	145.0132



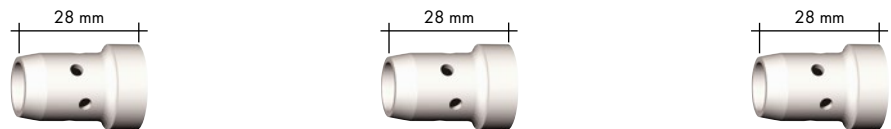
## Contact tip (10 pcs.)

		M8	M8	M8
E-Cu	Ø 0.8	140.0114	140.0114	140.0114
	Ø 1.0	140.0313	140.0313	140.0313
	Ø 1.2	140.0442	140.0442	140.0442
	Ø 1.6	140.0587	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0003	141.0003	141.0003
	Ø 1.0	141.0008	141.0008	141.0008
	Ø 1.2	141.0015	141.0015	141.0015
	Ø 1.6	141.0022	141.0022	141.0022
CuCrZr	Ø 0.8	140.0117	140.0117	140.0117
	Ø 1.0	140.0316	140.0316	140.0316
	Ø 1.2	140.0445 <sup>1</sup>	140.0445 <sup>2</sup>	140.0445 <sup>3</sup>
	Ø 1.6	140.0590	140.0590	140.0590



## Contact tip holder (10 pcs.)

M8	142.0201.10 <sup>1</sup>	142.0201.10 <sup>2</sup>	-
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## Gas diffuser (10 pcs.)

Standard	030.0145 <sup>1</sup>	030.0145 <sup>2</sup>	030.0145 <sup>3</sup>
Long life	030.0037	030.0037	030.0037
Ceramic	030.0190	030.0190	030.0190

Liner		for 3 m			for 4 m			for 5 m					
		Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6
Liner	Ø 0.8	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139
	Ø 1.0	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113
	Ø 1.2	124.0111 <sup>1, 2, 3</sup>	124.0112 <sup>1, 2, 3</sup>	124.0113 <sup>1, 2, 3</sup>	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113
	Ø 1.6	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013

<sup>1</sup> Included in the standard equipment for complete torches ABIMIG® GRIP W 555 D.

<sup>2</sup> Included in the standard equipment for complete torches ABIMIG® GRIP W 555 D TS.

<sup>3</sup> Included in the standard equipment for complete torches ABIMIG® GRIP W 555.

# MIG/MAG welding torches Push-Pull Plus

## Air and liquid cooled



### Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.



The screw-type torch necks can be replaced quickly. They are available as either straight or 45° angled versions. A special interface between the handle and the torch neck makes it possible to turn the necks up to 360°. All torches, both air and liquid-cooled for capacities of up to 400 A, are based on the tried-and-trusted "MB" torch neck design.

The main areas of application for these welding torches include wharfs, manufacturers of containers and ships etc., as well as in vehicle and wagon building. Wherever exact and constant wire feeding is an absolute must.

The welding torches of the Push-Pull Plus series, specially developed for aluminum welding requirements and the use of thin wires, makes problem-free and consistent wire feed and constant wire feed possible, even with longer cable assemblies. A powerful, sturdy pull motor with potentiometer guarantees exact speed regulation. For an optimum wire feed without frictional loss, the contact pressure of the feeding rollers can be regulated precisely and easily directly on the handle. The ergonomic handle ensures optimum, low-fatigue handling.

- Identical motor characteristics as standard Push-Pull
- Consistent and problem-free wire feeding thanks to a powerful pull motor
- Precise contact pressure regulation of the wire feeding rollers directly on the torch
- Available with optional potentiometer for speed regulation
- Wearing parts are identical to those of the tried-and-trusted MB torch series – minimised stocking
- Optimum torch cooling – long tool lives
- Sturdy design – long service life

Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO <sub>2</sub>	Mixed gas M21		
Push-Pull Plus 36 D	air	300 A	270 A	60	0.8-1.2
Push-Pull Plus 401 D	liquid	400 A	350 A	100	0.8-1.2

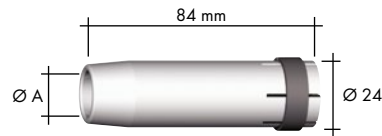
Type	Part-No.		
	8 m without Poti	8 m with Poti	Swan neck
Push-Pull Plus 36 D; straight; GZ-2	085.0104.1	085.0106.1	085.0116.1
Push-Pull Plus 36 D; 45° bend; GZ-2	085.0105.1	085.0107.1	085.0117.1
Push-Pull Plus 401 D; straight; WZ-2	095.0100.1	095.0114.1	095.0002
Push-Pull Plus 401 D; 45° bend; WZ-2	095.0101.1	095.0115.1	095.0015

Wire feeding roll	Ø 0.8	Ø 1.0	Ø 1.2
ST/AL	095.0064.1	095.0065.1	095.0066.1

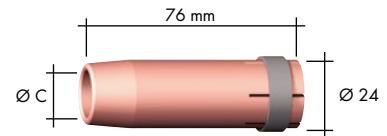
# Push-Pull Plus 36 D, Push-Pull Plus 401 D

## Wear parts

### Push-Pull Plus 36 D

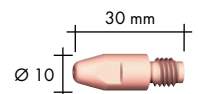
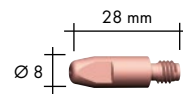
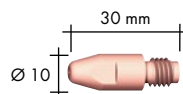


### Push-Pull Plus 401 D



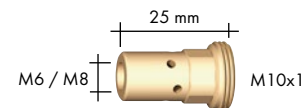
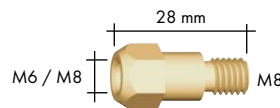
## Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 19	145.0045	Ø 20	145.0051
Conical	Ø 16	145.0078 <sup>1</sup>	Ø 16	145.0085 <sup>2</sup>
Tapered	Ø 12	145.0126	Ø 14	145.0132



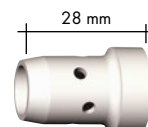
## Contact tip (10 pcs.)

		M6	M8	M6	M6
E-Cu	Ø 0.8	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0442 <sup>1</sup>	140.0379	140.0442 <sup>2</sup>
E-Cu for Al	Ø 0.8	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0015	141.0010	141.0015
CuCrZr	Ø 0.8	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0445	140.0382	140.0445



## Contact tip holder (10 pcs.)

M6	142.0005	142.0008
M8	142.0020 <sup>1</sup>	142.0022 <sup>2</sup>



## Gas diffuser (10 pcs.)

Standard	014.0261 <sup>1</sup>	030.0145 <sup>2</sup>
Long life	014.0026	030.0037
Ceramic	014.0023	030.0190

## Liner

Neck liner <sup>3</sup> 0.8-1.0 mm	149.0260.3	149.0264.3
Neck liner <sup>3</sup> 1.2 mm	149.0261.3 <sup>1</sup>	149.0265.3 <sup>2</sup>
Neck liner <sup>4</sup> 0.8-1.0 mm	149.0262.3	149.0266.3
Neck liner <sup>4</sup> 1.2 mm	149.0263.3 <sup>1</sup>	149.0267.3 <sup>2</sup>
Liner blank 0.8 mm	122.0010	122.0010
Liner blank 1.0-1.2 mm	122.0040	122.0040
Liner insulated 0.8 mm	124.0169	124.0169
PTFE liner 0.8 mm	126.0013	126.0013
PTFE liner 1.0-1.2 mm	126.0030	126.0030
Carb. PTFE liner 0.8 mm	127.0015	127.0015
Carb. PTFE l. 1.0-1.2 mm	127.0009	127.0009
PA liner 1.0-1.2 mm	128.0019 <sup>1</sup>	128.0019 <sup>2</sup>

<sup>1</sup> Included in the standard equipment for complete torches Push-Pull Plus 36 D.

<sup>2</sup> Included in the standard equipment for complete torches Push-Pull Plus 401 D.

<sup>3</sup> For straight torch necks (0°).

<sup>4</sup> For bended torch necks (45°).

# MIG/MAG machine welding torches

## Air and liquid cooled

Machine welding processes are used wherever high precision and productivity is required. Accessibility to the components very often requires special solutions with mechanical torches. ABICOR BINZEL offers an almost infinite variety of solutions, always based on the design of the world-wide recognized manual torches.

This means, experience in service life and quality offers additional advantages, so that special parts are not required.

### Your ABICOR BINZEL advantages:

- Expert competence
- Separate special torch production – short delivery time
- High availability
- Right solution for every job



### Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

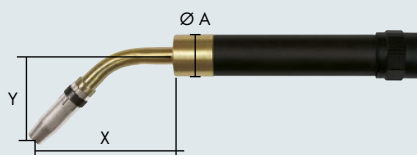


## Fixed swan neck

Typ	Geo- metry	X (mm)	Y (mm)	Duty cycle	Rating <sup>1</sup> CO <sub>2</sub> / M21		Gas nozzle	Wire-Ø (mm)	Part-No.
AUT 24 KD	0°	154		60%	250 A	220 A	ND 12.5	0.8-1.2	912.0001
AUT 24 KD	45°	125	80	60%	250 A	220 A	ND 12.5	0.8-1.2	912.0002
AUT 25 KD	0°	140		60%	230 A	200 A	ND 15	0.8-1.2	904.0003
AUT 25 KD	45°	110	75	60%	230 A	200 A	ND 15	0.8-1.2	904.0004
AUT 26 KD	0°	185		60%	270 A	240 A	ND 16	0.8-1.2	914.0002
AUT 26 KD	45°	145	95	60%	270 A	240 A	ND 16	0.8-1.2	914.0001
AUT 36 KD	0°	185		60%	320 A	290 A	ND 16	0.8-1.2	914.0002
AUT 36 KD	45°	145	95	60%	320 A	290 A	ND 16	0.8-1.2	914.0001
AUT 240 D	0°	154		100%	300 A	270 A	ND 12.5	0.8-1.2	923.0001
AUT 240 D	45°	126	73	100%	300 A	270 A	ND 12.5	0.8-1.2	923.0002
AUT 501	0°	167		100%	550 A	500 A	ND 16	1.0-1.6	932.0001
AUT 501	45°	135	82	100%	550 A	500 A	ND 16	1.0-1.6	932.0002
AUT 501 D	0°	167		100%	500 A	450 A	ND 16	1.0-1.6	934.0001
AUT 501 D	45°	135	82	100%	500 A	450 A	ND 16	1.0-1.6	934.0002
ABIMIG® MT W 555	0°	175		100%	575 A	525 A	ND 16	0.8-1.6	766.0878.1
ABIMIG® MT W 555	22°	168	38	100%	575 A	525 A	ND 16	0.8-1.6	766.0879.1
ABIMIG® MT W 555	45°	144	84	100%	575 A	525 A	ND 16	0.8-1.6	766.0880.1
ABIMIG® MT W 555 D	0°	175		100%	550 A	500 A	ND 16	0.8-1.6	766.0865.1
ABIMIG® MT W 555 D	22°	168	38	100%	550 A	500 A	ND 16	0.8-1.6	766.0866.1
ABIMIG® MT W 555 D	45°	144	84	100%	550 A	500 A	ND 16	0.8-1.6	766.0867.1
ABIMIG® MT W 555 D TS	0°	175		100%	550 A	500 A	ND 16	0.8-1.6	766.0917.1
ABIMIG® MT W 555 D TS	22°	169	33	100%	550 A	500 A	ND 16	0.8-1.6	766.0918.1
ABIMIG® MT W 555 D TS	45°	148	74	100%	550 A	500 A	ND 16	0.8-1.6	766.0919.1
ABIMIG® MT W 605	0°	184		100%	625 A	575 A	ND 17	1.0-1.6	766.0883.1
ABIMIG® MT W 605	22°	176	41	100%	625 A	575 A	ND 17	1.0-1.6	766.0884.1
ABIMIG® MT W 605	45°	150	90	100%	625 A	575 A	ND 17	1.0-1.6	766.0885.1
ABIMIG® MT W 605 D	0°	183.5		100%	600 A	550 A	ND 17	1.0-1.6	766.0871.1
ABIMIG® MT W 605 D	22°	176	41	100%	600 A	550 A	ND 17	1.0-1.6	766.0872.1
ABIMIG® MT W 605 D	45°	150	90	100%	600 A	550 A	ND 17	1.0-1.6	766.0873.1
ABIMIG® MT W 645	0°	182		100%	600 A	450 A	ND 16	1.0-1.6	766.0459
ABIMIG® MT W 645	22°	175	40	100%	600 A	450 A	ND 16	1.0-1.6	766.0479.1
ABIMIG® MT W 645	45°	149	89	100%	600 A	450 A	ND 16	1.0-1.6	766.0460

Further torch geometries on request.

### Fixed swan neck

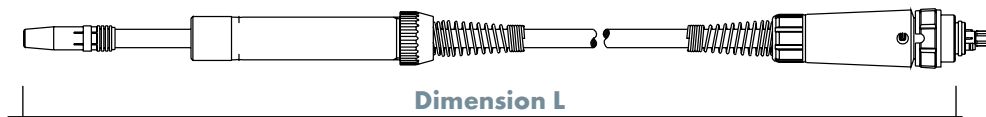


Ø A air cooled torches: 38 mm  
liquid cooled torches: 38 mm

### Order information:

When ordering complete torches, please indicate the torch type, torch geometry (straight or bent) and dimension "L" (see sketch).

The wear parts - contact tip, gas nozzle, gas diffuser, contact tip holder, neck liner or liner - are identical with those of the manual welding torches of same size (ABIMIG® 605 / 645 on request).



# MIG/MAG fume extraction torches "RAB GRIP"

## Air and liquid cooled

Every welding job generates fumes and smoke that could be hazardous if inhaled. Based on the well-established torch series "MB" the RAB GRIP Fume Extraction Torches offer efficient fume extraction through the torch itself. Special design solutions guarantee highly efficient smoke removal directly at its source without affecting the protective gas shield.

- Direct extraction at the arc – ensures protection of the welder's respiratory system
- Problem free installation in all existing MIG/MAG work stations
- Small extraction tube diameter – better accessibility
- Aluminium extraction tube – considerable weight saving



- Handle with extraction control and swivel joint – optimized handling
- Smaller diameter extraction hoses for all types – lower handling weight, optimum flexibility
- Considerable weight reduction of air cooled torches due to the innovative ABICOR BINZEL Low-Weight Bikox®



Suction nozzle with spring clip, feed air slide below\*

Torch complete Type	Connection	Part-No.		
		3 m	4 m	5 m
RAB GRIP 15 AK	Central connection KZ-2	602.3001.1	602.3002.1	602.3003.1
RAB GRIP 24 KD	Central connection KZ-2	612.3001.1	612.3002.1	612.3003.1
RAB GRIP 25 AK	Central connection KZ-2	604.3001.1	604.3002.1	604.3003.1
RAB GRIP 36 KD	Central connection KZ-2	614.3001.1	614.3002.1	614.3003.1
RAB GRIP 240 D	Central connection WZ-2	623.3003.1	623.3004.1	623.3005.1
RAB GRIP 501	Central connection WZ-2	632.3003.1	632.3004.1	632.3005.1
RAB GRIP 501 D	Central connection WZ-2	634.3003.1	634.3004.1	634.3005.1

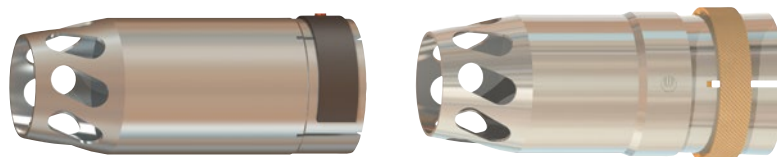
\*Module solutions on demand.



Suction nozzle with Quicklock, feed air slide on top

Torch complete Type	Connection	Part-No.		
		3 m	4 m	5 m
RAB GRIP 15 AK	Central connection KZ-2	602.3008.1	602.3009.1	602.3010.1
RAB GRIP 24 KD	Central connection KZ-2	612.3007.1	612.3008.1	612.3009.1
RAB GRIP 25 AK	Central connection KZ-2	604.3007.1	604.3008.1	604.3009.1
RAB GRIP 36 KD	Central connection KZ-2	614.3007.1	614.3008.1	614.3009.1
RAB GRIP 240 D	Central connection WZ-2	623.3011.1	623.3012.1	623.3013.1
RAB GRIP 501	Central connection WZ-2	632.3015.1	632.3016.1	632.3017.1
RAB GRIP 501 D	Central connection WZ-2	634.3030.1	634.3031.1	634.3032.1

## RAB GRIP specific wear parts



Type	Suction nozzle spring clip	Suction nozzle Quicklock
RAB GRIP 15 AK	600.2047.1	600.3017.1
RAB GRIP 24 KD	600.2045.1	600.3018.1
RAB GRIP 25 AK	600.2046.1	600.3019.1
RAB GRIP 36 KD	600.2044.1	600.3009.1
RAB GRIP 240 D	600.2045.1	600.3018.1
RAB GRIP 501	600.2044.1	600.3009.1
RAB GRIP 501 D	600.2044.1	600.3009.1

Replacement spring clip for the fixation of the suction nozzle on request.  
Suction funnel (replaces the suction nozzle) on request.

Type	Swan neck	Outer neck	Gas nozzle holder
RAB GRIP 15 AK	602.3004.1	600.3007.1	902.0007
RAB GRIP 24 KD	612.2001	600.2002	-
RAB GRIP 25 AK	604.2001	600.3007.1	-
RAB GRIP 36 KD	614.2001	600.2002	-
RAB GRIP 240 D	623.3001.1	600.2002	-
RAB GRIP 501	632.3001.1	632.2009	-
RAB GRIP 501 D	634.3001.1	600.2002	-

The wear parts - contact tip, gas nozzle, gas diffuser, contact tip holder, neck liner or liner - are identical with those of the manual welding torches of same size.

## Technical Data

Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO <sub>2</sub>	Mixed gas M21		
RAB GRIP 15 AK	air	180 A	150 A	60	0.6-1.0
RAB GRIP 24 KD	air	250 A	220 A	60	0.8-1.2
RAB GRIP 25 AK	air	230 A	200 A	60	0.8-1.2
RAB GRIP 36 KD	air	300 A	270 A	60	0.8-1.2
RAB GRIP 240 D	liquid	300 A	270 A	100	0.8-1.2
RAB GRIP 501	liquid	550 A	500 A	100	1.0-1.6
RAB GRIP 501 D	liquid	500 A	450 A	100	1.0-1.6

### Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

## MIG/MAG Fume Extraction Torches in action ...



MIG/MAG **without** fume extraction



RAB GRIP **with** fume extraction

# Bikox<sup>®</sup>, control cables, hoses and liners

## I. Cable assemblies air cooled

Type	Bikox <sup>®</sup>	Cable assembly length			
		3 m	4 m	5 m	8 m
MB EVO PRO 15	R18 / LW	160.H025.1	160.H026.1	160.H027.1	-
MB EVO PRO 24	R37 / LW	160.1330.1	160.1331.1	160.1332.1	-
MB EVO PRO 25	R28 / LW	160.H032.1	160.H033.1	160.H034.1	-
MB EVO PRO 26	R42 / LW	160.H039.1	160.H040.1	160.H041.1	-
MB EVO PRO 36	R53 / LW	160.H046.1	160.H047.1	160.H048.1	-
MB EVO 15	R10	160.1291.1	160.1292.1	160.1293.1	-
MB EVO 24	R25	160.D427	160.D428	160.D429	-
MB EVO 25	R20	160.1294.1	160.1295.1	160.1296.1	-
MB EVO 26	R30	160.1305.1	160.1306.1	160.1307.1	-
MB EVO 36	R30	160.1308.1	160.1309.1	160.1310.1	-
MB GRIP 15 AK	R4 / Typ 16	160.D520	160.D521	160.D522	-
MB GRIP 24 KD / 26 KD	R6 / Typ 35	160.D430	160.D431	160.D432	-
MB GRIP 25 AK	R5 / Typ 25	160.D427	160.D428	160.D429	-
MB GRIP 36 KD	R7 / Typ 50	160.D434	160.D435	160.D436	-
RAB GRIP 15	R4 / LW	160.H025.1	160.H026.1	160.H027.1	-
RAB GRIP 25	R5 / LW	160.H032.1	160.H033.1	160.H034.1	-
RAB GRIP 24	R6 / LW	160.H039.1	160.H040.1	160.H041.1	-
RAB GRIP 36	R7 / LW	160.H046.1	160.H047.1	160.H048.1	-
Push-Pull Plus 36 D	Type 35	-	-	-	118.0074

## II. Cable assemblies liquid cooled

Type	Description	Cable assembly length				per m
		3 m	4 m	5 m	8 m	
MB EVO PRO 240 / 401 / 501	Power cable FRH	115.0830.1	115.0831.1	115.0832.1	-	-
MB EVO 240 / 401 / 501	Power cable PVC	115.0833.1	115.0834.1	115.0835.1	-	-
MB GRIP 240 / 401 / 501	Power cable FRH	115.0065	115.0070	115.0074	-	-
ABIMIG <sup>®</sup> GRIP W 555	Power cable PVC	115.0581	115.0582	115.0583	-	-
RAB GRIP 240 / 501	Power cable PVC	115.0581	115.0582	115.0583	-	-
Push-Pull Plus 401	Power cable PVC	-	-	-	115.0043	-
MB EVO PRO 240 / 401 / 501	Wire conduit/gas hose	154.0017.1	154.0018.1	154.0019.1	-	-
MB EVO 240 / 401 / 501	Wire conduit/gas hose	154.0017.1	154.0018.1	154.0019.1	-	-
MB GRIP 240 / 401 / 501	Wire conduit	156.0275	156.0276	156.0277	-	-
ABIMIG <sup>®</sup> GRIP W 555	Wire conduit	156.0275	156.0276	156.0277	-	-
RAB GRIP 240 / 501	Wire conduit	156.0019	156.0023	156.0026	-	-
Push-Pull Plus 401	Wire conduit	-	-	-	156.0273	-
MB EVO PRO 240 / 401 / 501	Water hose black FRH; Ø 5.5x1.5	-	-	-	-	109.0052
MB EVO 240 / 401 / 501	Water hose blue PVC; Ø 5.5x1.5	-	-	-	-	109.0057
MB EVO 240 / 401 / 501	Water hose red PVC; Ø 5.5x1.5	-	-	-	-	109.0056
MB GRIP 240 / 401 / 501	Water hose black FRH	-	-	-	-	109.0052
ABIMIG <sup>®</sup> GRIP W 555	Water hose blue PVC	-	-	-	-	109.0057
ABIMIG <sup>®</sup> GRIP W 555	Water hose red PVC	-	-	-	-	109.0056
RAB GRIP 240 / 501	Water hose blue PVC	-	-	-	-	109.0057
RAB GRIP 240 / 501	Water hose red PVC	-	-	-	-	109.0056
Push-Pull Plus 401	Water hose blue PVC	-	-	-	-	109.0057
Push-Pull Plus 401	Water hose red PVC	-	-	-	-	109.0056



## II. Cable assemblies liquid cooled

Type	Description	Cable assembly length				
		3 m	4 m	5 m	8 m	per m
MB GRIP 240 / 401 / 501	Gas hose	-	-	-	-	109.0040
ABIMIG® GRIP W 555	Gas hose	-	-	-	-	109.0040
RAB GRIP 240 / 501	Gas hose	-	-	-	-	109.0040
Push-Pull Plus 401	Gas hose	-	-	-	-	109.0040
All torches	Control cable 2-pole	-	-	-	-	100.0019

## III. Outer and suction hose

Type	Description	Cable assembly length				
		3 m	4 m	5 m	per m	
MB EVO PRO 240 / 401 / 501	Outer hose 25x1.5 (with bend protection)	107.0109.1	107.0110.1	107.0111.1	107.0004	
MB EVO 240 / 401 / 501	Outer hose 25x1.5 (with bend protection)	107.0109.1	107.0110.1	107.0111.1	107.0004	
MB GRIP 240 / 401 / 501	Outer hose 25x1.5	107.0079	107.0044	107.0080	107.0004	
ABIMIG® GRIP W 555	Outer hose 25x1.5	-	-	-	107.0004	
RAB GRIP 15 / 24 / 25 / 36	Outer hose LW 32	-	-	-	109.0043	
RAB GRIP 240 / 501	Outer hose LW 38	-	-	-	109.0044	
Push-Pull Plus 36 / 401	Outer hose 25x1.5	-	-	-	107.0004	

## IV. Hose clamps, quick connector and Marking washer

Type	Pcs.	Part-No.	for hose			
			109.0040	109.0052	109.0056	109.0057
Hose clamp D=9.5 infinitely; MB EVO PRO / MB EVO	20	173.0015.20		•	•	•
Hose clamp Ø=8.7	100	171.0002	•			
Hose clamp Ø=9.0 with ring (mark. 9.5)	100	173.0001			•	•
Hose clamp Ø=9.5 with ring (mark. 10.0)	100	173.0002		•		
Quick connector ND 5 / Ø=6.0	20	501.0114		•	•	•
Marking washer red	20	501.2166		•		
Marking washer blue	20	501.2167		•		
Fastener cap red	20	501.2423		•	•	
Fastener cap blue	20	501.2424		•		•

## V. Combined wire guides

Type	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
PTFE / Brass	0.8	126.M002	126.M003	126.M004	-
PTFE / Brass	1.0-1.2	126.M006	126.M007	126.M008	-
PTFE / Brass	1.6	126.M009	126.M010	126.M011	-
Carbon-PTFE / Brass	0.8	127.M002	127.M003	127.M004	-
Carbon-PTFE / Brass	1.0-1.2	127.M006	127.M007	127.M008	-
PA / Brass	1.0-1.2	128.M002	128.M003	128.M004	-

## VI. Liner for special wire

Liner	Color	Ø inside / outside	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
PA liner	grey	2.0 / 4.0	1.0-1.2	128.0012	128.0015	128.0016	128.0019
PA liner	grey	2.3 / 4.7	1.6	128.0020	128.0021	128.0030	128.0023
PA liner	grey	2.9 / 4.7	2.4	128.0024	128.0025	128.0027	128.0032
PA liner with inlet-tip	grey	2.3 / 4.7	1.2-1.6	128.0058.1	128.0059.1	128.0060.1	-

## VII. BPL liner

Liner	Color	Ø inside / outside	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
BPL liner with inlet-tip	orange	2.0 / 4.7	0.8-1.2	126.0069	126.0070	126.0071	-
BPL liner with inlet-tip	petrol	2.7 / 4.7	1.6	126.0072	126.0073	126.0074	-

# Handles and control modules

## Handle MB EVO PRO without modules



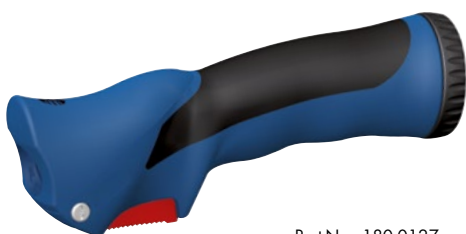
Type	Description	Part-No.
Handle type MB EVO PRO air cooled	for MB EVO PRO 15 / 24 / 25 / 26 / 36	180.0176.1
Handle type MB EVO PRO liquid cooled	for MB EVO PRO 240 / 401 / 501	180.0177.1
Ball joint cable protection MB EVO PRO	for MB EVO PRO 15 / 24 / 25 / 26 / 36 240 / 401 / 501	400.D574.1
Half rings red	for ball joint cable protection (400.D574.1)	400.D561.2

## Handle MB EVO without modules



Type	Description	Part-No.
Handle type MB EVO air cooled	for MB EVO 15 / 24 / 25 / 26 / 36	180.0178.1
Handle type MB EVO liquid cooled	for MB EVO 240 / 401 / 501	180.0179.1
Ball joint cable protection MB EVO	for MB EVO 15 / 24 / 25 / 26 / 36 240 / 401 / 501	400.D574.1
Half rings black	for ball joint cable protection (400.D574.1)	400.D451.2

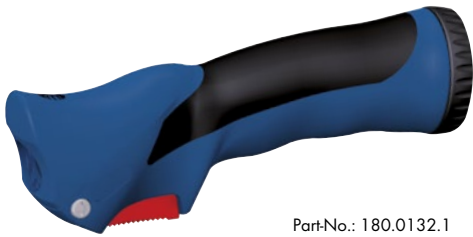
## Handle MB GRIP without modules



Part-No.: 180.0127

Type	Description	Part-No.
Handle type MB GRIP	for MB GRIP 15 / 24 / 25 / 26 / 36 / 240 / 401 / 501	180.0127
Ball joint cable protection MB GRIP air cooled	for MB GRIP 15 / 24 / 25 / 26 / 36	400.1395.1
Ball joint cable protection MB GRIP liquid cooled	for MB GRIP 240 / 401 / 501	400.1392.1
Inner ring MB GRIP	for ball joint cable protection (400.1392.1) liquid cooled	400.0790

### Handle type "ABIMIG® GRIP S" without modules

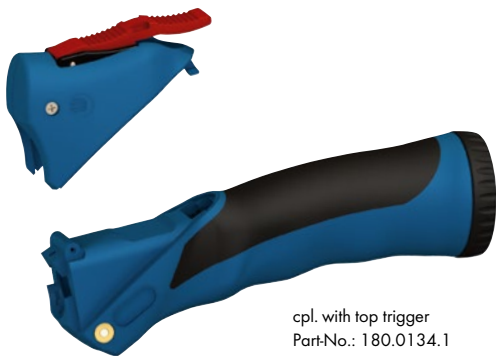


**Adapter**

For torch necks MB GRIP 15 / 24 / 25 / 26 / 36 / 240 / 401 / 501  
for using the handles ABIMIG® GRIP S / ABIMIG® GRIP SH / ABIMIG®  
GRIP TO  
PartNo.: 400.1341.1

Type	Description	Part-No.
Handle type ABIMIG® GRIP S	for ABIMIG® GRIP W 555	180.0132.1
Ball joint cable protection ABIMIG® GRIP W liquid cooled	for ABIMIG® GRIP W 555	400.1392.1
Inner ring ABIMIG® GRIP W liquid cooled	for Ball joint cable protection (400.1392.1),	400.0790

### Handle type "ABIMIG® GRIP TO" without modules



**Adapter**

For torch necks MB GRIP 15 / 24 / 25 / 26 / 36 / 240 / 401 / 501  
for using the handles ABIMIG® GRIP S / ABIMIG® GRIP SH / ABIMIG®  
GRIP TO  
PartNo.: 400.1341.1

Type	Description	Part-No.
Handle type ABIMIG® GRIP TO (cpl. with top trigger)	for MB GRIP 15 / 24 / 25 / 26 / 36 / 240 / 401 / 501; to use only with adapter 400.1341.1	180.0134.1
Handle type ABIMIG® GRIP TO (cpl. with top trigger)	for ABIMIG® GRIP W 555	180.0134.1

# Handles and control modules

## Handle type "ABIMIG® GRIP SH" and control modules



incl. add-on for control modules  
Part-No.: 180.0133.1



### Adapter

For torch necks MB GRIP 15 / 24 / 25 / 26 / 36 / 240 / 401 / 501  
for using the handles ABIMIG® GRIP S / ABIMIG® GRIP SH / ABIMIG®  
GRIP TO  
Part-No.: 400.1341.1



BIS-01L



BIS-01R



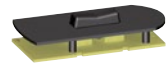
BIS-02



BIS-06



BIS-07B



BIS-10A



BIS-10B



BIS-10D



BIS-13A



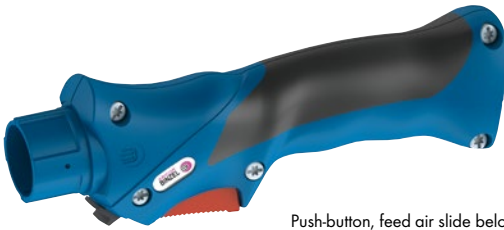
BIS-18



BIS-19

Type	Description	Part-No.
Handle Type ABIMIG® GRIP SH, without control module	for MB GRIP 15 / 24 / 25 / 26 / 36 / 240 / 401 / 501; to use only with adapter 400.1341.1	180.0133.1
Handle Type ABIMIG® GRIP SH, without control module	for ABIMIG® GRIP W 555	
BIS-01L	Control module with potentiometer left 10 kΩ	400.0956
BIS-01R	Control module with potentiometer right 10 kΩ	400.0957
BIS-02	Control module with potentiometer left 10 kΩ LED for Migatronik	400.0958
BIS-06	Control module with push-button and 4 LED	400.0959
BIS-07B	Control module Up/Down 7-segment switch crosswise	400.0961
BIS-10A	Control module Up/Down switch lengthwise	400.0963
BIS-10B	Control module Up/Down switch crosswise	400.0964
BIS-10D	Control module Up/Down switch crosswise for Fronius	400.1085
BIS-13A	Control module Up/Down 2x switch lengthwise for EWM	400.0966
BIS-18	Control module Up/Down 2x push-button for Cloos	400.1545.1
BIS-19	Control module push-button 3-step	400.1088

### Handles RAB GRIP without modules



Push-button, feed air slide below

Type	Description	Part-No.
Handle feed air slide below	for RAB GRIP 15 / 24 / 25 / 36 / 240 / 501	180.0138.1
Connector air cooled	for RAB GRIP 15 / 24 / 25 / 36	600.2008
Connector liquid cooled	for RAB GRIP 240 / 501	600.0080

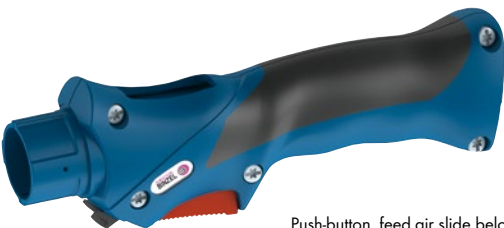
### Handles RAB GRIP without modules



Push-button, feed air slide on top

Type	Description	Part-No.
Handle feed air slide on top	for RAB GRIP 15 / 24 / 25 / 36 / 240 / 501	180.0144.1
Connector air cooled	for RAB GRIP 15 / 24 / 25 / 36	600.2008
Connector liquid cooled	for RAB GRIP 240 / 501	600.0080

### Handle RAB GRIP for modules



Push-button, feed air slide below



**BIS-51**  
Control module push-button



**BIS-52**  
Control module Up/Down  
2x push-button

Type	Description	Part-No.
Handle feed air slide below (without module)	for RAB GRIP 15 / 24 / 25 / 36 / 240 / 501	180.0154.1
Connector air cooled	for RAB GRIP 15 / 24 / 25 / 36	600.2008
Connector liquid cooled	for RAB GRIP 240 / 501	600.0080
BIS-51	Module push-button	400.1296.1
BIS-52	Module Up/Down 2x push-button	400.1292.1



Wear parts "ABIMIG®"



# MIG/MAG welding torches "ABIMIG® A T LW"

## Air cooled • rating 180 A up to 240 A

The newly developed, super lightweight MIG/MAG welding torch series "ABIMIG® A T LW" with ergonomic and universal two-component handle offer flexibility in perfection. They are equipped standard with ball joint and lightweight "Bikox® LW" cable assembly as well as exchangeable and 360° rotatable torch neck, so the torches enable ergonomic and relaxed welding in every position.

- New welding torch series and lightweight "Bikox® LW" cable assembly – Reduction of the torch weight up to 50%
- Newly designed ergonomic handle, optionally available with Up/Down module – Improved working comfort
- Universal contact tip holder (contact tip holder, gas diffuser and gas nozzle holder all in one) – Reduction of the number of spare parts and thus the costs
- Screwable, thermally insulated gas nozzle – Longer service life of the torch and cost reduction
- Turnable, quick-change torch neck – increased working comfort and reduction of service costs



Super lightweight torches with turnable and changeable torch neck

### ABIMIG® A T 155 LW

#### Technical data (EN 60 974-7):

Rating: 190 A CO<sub>2</sub>  
180 A mixed gas M21 (DIN EN ISO 14175)  
Duty cycle: 60%  
Wire size: 0.8-1.0 mm

### ABIMIG® A T 255 LW

#### Technical data (EN 60 974-7):

Rating: 240 A CO<sub>2</sub>  
220 A mixed gas M21 (DIN EN ISO 14175)  
Duty cycle: 60%  
Wire size: 0.8-1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 155 LW	Push-button short	006.D821.1	006.D822.1	006.D823.1	45°	006.D804.1
ABIMIG® A T 155 LW	Push-button long	006.D810.1	006.D811.1	006.D812.1	45°	006.D804.1
ABIMIG® A T 255 LW	Push-button short	004.D880.1	004.D881.1	004.D882.1	45°	004.D831.1
ABIMIG® A T 255 LW	Push-button long	004.D850.1	004.D851.1	004.D852.1	45°	004.D831.1

**Definition:** T = turnable/exchangeable torch neck, LW = lightweight cable assembly

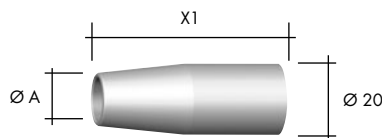
**Attention:** The specified variants correspond to the "BASIC" version. Further versions (COMBI, VARIO, FREE STYLE) on request.



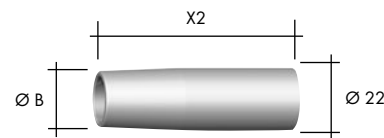
# ABIMIG® A T 155 LW, ABIMIG® A T 255 LW

## Wear parts

### ABIMIG® A T 155 LW

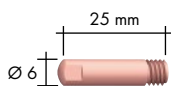


### ABIMIG® A T 255 LW



#### Gas nozzle (5 pcs.)

	Ø A	X1		Ø B	X2	
Cylindrical	Ø 17	52 mm	145.D003	Ø 18	69 mm	145.D014
Conical	Ø 12	52 mm	145.D001 <sup>1</sup>	Ø 16	70 mm	145.D011 <sup>2</sup>
Conical	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



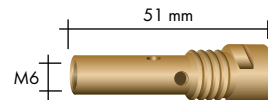
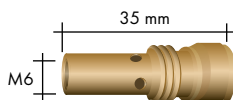
#### M6



#### M6

#### Contact tip (10 pcs.)

E-Cu	Ø 0.8	140.0059 <sup>1</sup>	140.0051
	Ø 1.0	140.0253	140.0242 <sup>2</sup>
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382



#### Contact tip holder (5 pcs.)

	006.D719.5 <sup>1</sup>	004.D624.5 <sup>2</sup>
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#### Adapter piece (5 pcs.)

	767.D607.5 <sup>1</sup>	767.D637.5 <sup>2</sup>
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#### Torch neck liner for T-torches

Standard	Ø 0.8	122.D037 <sup>1</sup> (5 pcs.)	122.D037 (5 pcs.)
	Ø 1.0	122.D038 (5 pcs.)	122.D038 <sup>2</sup> (5 pcs.)
	Ø 1.2	-	122.D038 (5 pcs.)
Brass for Al	Ø 0.8	122.D040	122.D040
	Ø 1.0	122.D040	122.D041
	Ø 1.2	-	122.D041

Liner		for 3 m	for 4 m	for 5 m
Liner	Ø 0.8	124.0011 <sup>1</sup>	124.0012 <sup>1</sup>	124.0015 <sup>1</sup>
	Ø 1.0	124.0026 <sup>2</sup>	124.0031 <sup>2</sup>	124.0035 <sup>2</sup>
	Ø 1.2	124.0026	124.0031	124.0035
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
Carbon	Ø 0.8	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008
PTFE liner	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008

<sup>1</sup> Included in the standard equipment for complete torches ABIMIG® A T 155 LW.

<sup>2</sup> Included in the standard equipment for complete torches ABIMIG® A T 255 LW.

# MIG/MAG welding torches "ABIMIG® A T LW"

## Air cooled • rating 260 A up to 400 A

- New welding torch series and lightweight "Bikox® LW" cable assembly - Up to 50% lighter than comparable standard torches
- Newly designed ergonomic torch handle, available with optional Up/Down module - Improved working comfort
- Universal contact tip holder (contact tip holder, gas diffuser and gas nozzle holder all in one) - Reduces stocking requirements and costs
- Screwable, thermally insulated gas nozzle - Longer service life of the torch - Cost reduction
- Turnable, quick-change torch neck - increased working comfort and reduction of service costs



### ABIMIG® A T 305 LW

#### Technical data (EN 60 974-7):

Rating:	290 A CO <sub>2</sub> 260 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	0.8-1.2 mm

### ABIMIG® A T 355 LW

#### Technical data (EN 60 974-7):

Rating:	340 A CO <sub>2</sub> 320 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	1.0-1.6 mm

### ABIMIG® A T 405 LW\*

#### Technical data (EN 60 974-7):

Rating:	400 A CO <sub>2</sub> 370 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	1.0-1.6 mm (up to 2.4 mm on demand)

Super lightweight torches  
with turnable and  
changeable torch neck

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 305 LW	Push-button short	018.D953.1	018.D954.1	018.D955.1	45°	014.H356.1
ABIMIG® A T 305 LW	Push-button long	018.D960.1	018.D961.1	018.D962.1	45°	014.H356.1
ABIMIG® A T 355 LW	Push-button short	014.H509.1	014.H510.1	014.H511.1	45°	014.H363.1
ABIMIG® A T 355 LW	Push-button long	014.H390.1	014.H391.1	014.H392.1	45°	014.H363.1
ABIMIG® A T 405 LW	Push-button short	015.D101.1	015.D102.1	015.D103.1	45°	015.D082.1
ABIMIG® A T 405 LW	Push-button long	015.D070.1	015.D071.1	015.D072.1	45°	015.D082.1

**Definition:** T = turnable/exchangeable torch neck, LW = lightweight cable assembly

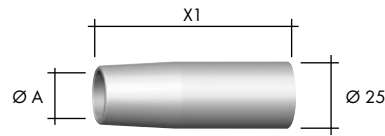
**Attention:** The specified variants correspond to the „BASIC“ version. Further versions (COMBI, VARIO, FREE STYLE) on request.

\*The ABIMIG® A T 405 LW is adjustable in 45° steps.

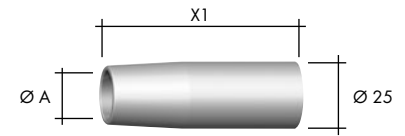
# ABIMIG® A T 305 LW, ABIMIG® A T 355 LW, ABIMIG® A T 405 LW

## Wear parts

### ABIMIG® A T 305 / 355 LW

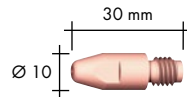


### ABIMIG® A T 405 LW

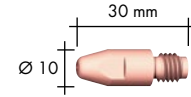


## Gas nozzle (5 pcs.)

	Ø A	X1		Ø A	X1	
Cylindrical	Ø 21	71 mm	145.D024	Ø 21	71 mm	145.D024
Conical	Ø 18	72 mm	145.D021 <sup>1,2</sup>	Ø 18	72 mm	145.D021 <sup>3</sup>
Conical	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



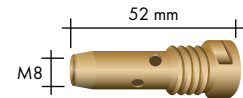
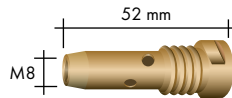
**M8**



**M8**

## Contact tip (10 pcs.)

E-Cu	Ø 0.8	140.0114	140.0114
	Ø 1.0	140.0313	140.0313
	Ø 1.2	140.0442	140.0442
	Ø 1.6	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0003	-
	Ø 1.0	141.0008	141.0008
	Ø 1.2	141.0015	141.0015
	Ø 1.6	141.0022	141.0022
CuCrZr	Ø 0.8	140.0117	-
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445 <sup>1,2</sup>	140.0445
	Ø 1.6	140.0590	140.0590 <sup>3</sup>



## Contact tip holder (5 pcs.)

M8	014.D745.5 <sup>1,2</sup>	014.D745.5 <sup>3</sup>
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## Adapter piece (5 pcs.)

	767.D668.5 <sup>1,2</sup>	015.D080.5 <sup>3</sup>
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## Torch neck liner for T-torches

Standard	Ø 0.8	122.D037 (5 pcs.)	-
	Ø 1.0-1.2	122.D038 <sup>1,2</sup> (5 pcs.)	122.D077 (5 pcs.)
	Ø 1.6	122.D045 (5 pcs.)	122.D078 <sup>3</sup> (5 pcs.)
Brass for Al	Ø 1.0	122.D040	122.D040
	Ø 1.0-1.2	122.D041	122.D041



Liner		305 / 355		405		305 / 355		405	
		for 3 m	for 3 m	for 4 m	for 4 m	for 5 m	for 5 m		
Liner	0.8	124.0011	-	124.0012	-	124.0015	-		
	1.0	124.0026	124.D113	124.0031	124.D114	124.0035	124.D115		
	1.2	124.0026 <sup>1,2</sup>	124.D113	124.0031 <sup>1,2</sup>	124.D114	124.0035 <sup>1,2</sup>	124.D115		
	1.6	124.0041	124.D116 <sup>3</sup>	124.0042	124.D117 <sup>3</sup>	124.0044	124.D118 <sup>3</sup>		
PTFE liner	0.8	126.0005	-	126.0008	-	126.0011	-		
	1.0	126.0021	-	126.0026	-	126.0028	-		
	1.2	126.0021	-	126.0026	-	126.0028	-		
	1.6	126.0039	-	126.0042	-	126.0045	-		
Carbon PTFE liner	0.8	127.0002	-	127.0003	-	127.0004	-		
	1.0	127.0005	-	127.0007	-	127.0008	-		
	1.2	127.0005	-	127.0007	-	127.0008	-		
	1.6	127.0010	-	127.0012	-	127.0013	-		



<sup>1</sup> Included in the standard equipment for complete torches ABIMIG® A T 305 LW.

<sup>2</sup> Included in the standard equipment for complete torches ABIMIG® A T 355 LW.

<sup>3</sup> Included in the standard equipment for complete torches ABIMIG® A T 405 LW.

# MIG/MAG welding torches "ABIMIG® A LW"

## Air cooled • rating 170 A up to 230 A

ABIMIG® A LW torches are optimal whenever the best possible welding results are to be achieved with a torch neck geometry. Thanks to the slim straight handles, the torches fit comfortably in the hand and allow different postural positions and flexibility in torch neck alignment. ABIMIG® A LW torches are very hard-wearing and, thanks to the double fixation of the torch neck, are particularly well protected against mechanical deformation.

ABIMIG® A LW torches are fitted with weight-optimised LW cable assemblies and are particularly light.

- Double torch neck fixation – durable construction
- Lightweight "Bikox® LW" cable assembly – reduction of the torch weight of up to 50 %
- Universal contact tip holder (contact tip holder, gas diffuser and gas nozzle holder all in one) – reduction of the number of spare parts and thus the costs
- Screwable, thermally insulated gas nozzle – longer service life of the torch and cost reduction
- Extended and short triggers available – for best handling



### ABIMIG® A 155 LW

#### Technical data (EN 60 974-7):

Rating:	170 A CO <sub>2</sub> 170 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	0.8–1.0 mm

### ABIMIG® A 255 LW

#### Technical data (EN 60 974-7):

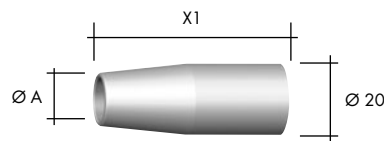
Rating:	230 A CO <sub>2</sub> 220 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	0.8–1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 155 LW	Push-button short	767.0030.1	767.0031.1	767.0032.1	45°	767.0024.1
ABIMIG® A 155 LW	Push-button long	767.0062.1	767.0063.1	767.0064.1	45°	767.0024.1
ABIMIG® A 255 LW	Push-button short	767.0033.1	767.0034.1	767.0035.1	45°	767.0027.1
ABIMIG® A 255 LW	Push-button long	767.0065.1	767.0066.1	767.0067.1	45°	767.0027.1

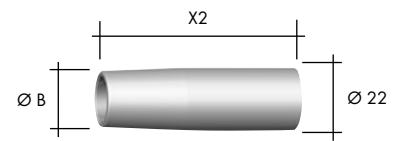
# ABIMIG® A 155 LW, ABIMIG® A 255 LW

## Wear parts

### ABIMIG® A 155 LW

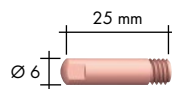


### ABIMIG® A 255 LW

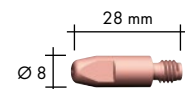


## Gas nozzle (5 pcs.)

	Ø A	X1		Ø B	X2	
Cylindrical	Ø 17	52 mm	145.D003	Ø 18	69 mm	145.D014
Conical	Ø 12	52 mm	145.D001 <sup>1</sup>	Ø 16	70 mm	145.D011 <sup>2</sup>
Conical	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



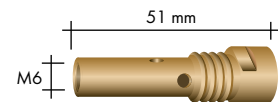
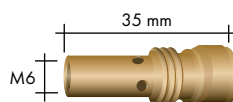
### M6



### M6

## Contact tip (10 pcs.)

E-Cu	Ø 0.8	140.0059 <sup>1</sup>	140.0051
	Ø 1.0	140.0253	140.0242 <sup>2</sup>
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382



## Contact tip holder (5 pcs.)

	006.D719.5 <sup>1</sup>	004.D624.5 <sup>2</sup>
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## Adapter piece (5 pcs.)

767.D607.5<sup>1</sup>

767.D637.5<sup>2</sup>

Liner		for 3 m	for 4 m	for 5 m
Liner	Ø 0.8	124.0011 <sup>1</sup>	124.0012 <sup>1</sup>	124.0015 <sup>1</sup>
	Ø 1.0	124.0026 <sup>2</sup>	124.0031 <sup>2</sup>	124.0035 <sup>2</sup>
	Ø 1.2	124.0026	124.0031	124.0035
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
Carbon	Ø 0.8	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008
PTFE liner	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008

<sup>1</sup> Included in the standard equipment for complete torches ABIMIG® A 155 LW.

<sup>2</sup> Included in the standard equipment for complete torches ABIMIG® A 255 LW.

# MIG/MAG welding torches "ABIMIG® A LW"

## Air cooled • rating 255 A up to 400 A

ABIMIG® A LW torches are optimal whenever the best possible welding results are to be achieved with a torch neck geometry. Thanks to the slim straight handles, the torches fit comfortably in the hand and allow different postural positions and flexibility in torch neck alignment. ABIMIG® A LW torches are very hard-wearing and, thanks to the double fixation of the torch neck, are particularly well protected against mechanical deformation.

ABIMIG® A LW torches are fitted with weight-optimised LW cable assemblies and are particularly light.

- Double torch neck fixation – durable construction
- Lightweight "Bikox® LW" cable assembly – reduction of the torch weight of up to 50 %
- Universal contact tip holder (contact tip holder, gas diffuser and gas nozzle holder all in one) – reduction of the number of spare parts and thus the costs
- Screwable, thermally insulated gas nozzle – longer service life of the torch and cost reduction
- Extended and short triggers available – for best handling



### ABIMIG® A 305 LW

#### Technical data (EN 60 974-7):

Rating: 280 A CO<sub>2</sub>  
260 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8–1.2 mm

### ABIMIG® A 355 LW

#### Technical data (EN 60 974-7):

Rating: 330 A CO<sub>2</sub>  
310 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 1.0–1.6 mm

### ABIMIG® A 405 LW\*

#### Technical data (EN 60 974-7):

Rating: 400 A CO<sub>2</sub>  
350 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 60%

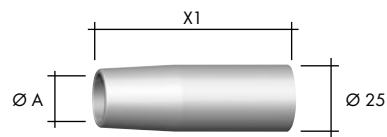
Wire size: 1.0–1.6 mm  
(up to 2.4 mm on demand)

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 305 LW	Push-button short	767.0036.1	767.0037.1	767.0038.1	45°	767.0045.1
ABIMIG® A 305 LW	Push-button long	767.0068.1	767.0069.1	767.0070.1	45°	767.0045.1
ABIMIG® A 355 LW	Push-button short	767.0039.1	767.0040.1	767.0041.1	45°	767.0050.1
ABIMIG® A 355 LW	Push-button long	767.0071.1	767.0072.1	767.0073.1	45°	767.0050.1
ABIMIG® A 405 LW	Push-button short	767.0042.1	767.0043.1	767.0044.1	45°	767.0055.1
ABIMIG® A 405 LW	Push-button long	767.0074.1	767.0075.1	767.0076.1	45°	767.0055.1

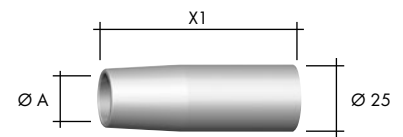
# ABIMIG® A 305 LW, ABIMIG® A 355 LW, ABIMIG® A 405 LW

## Wear parts

### ABIMIG® A 305 / 355 LW

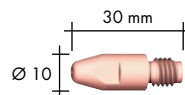


### ABIMIG® A 405 LW

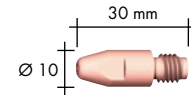


## Gas nozzle (5 pcs.)

	Ø A	X1		Ø A	X1	
Cylindrical	Ø 21	71 mm	145.D024	Ø 21	71 mm	145.D024
Conical	Ø 18	72 mm	145.D021 <sup>1,2</sup>	Ø 18	72 mm	145.D021 <sup>3</sup>
Conical	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



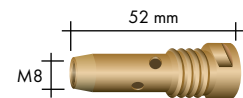
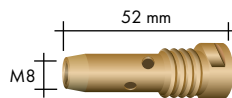
## M8



## M8

## Contact tip (10 pcs.)

E-Cu	Ø 0.8	140.0114	140.0114
	Ø 1.0	140.0313	140.0313
	Ø 1.2	140.0442	140.0442
	Ø 1.6	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0003	-
	Ø 1.0	141.0008	141.0008
	Ø 1.2	141.0015	141.0015
	Ø 1.6	141.0022	141.0022
CuCrZr	Ø 0.8	140.0117	-
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445 <sup>1,2</sup>	140.0445
	Ø 1.6	140.0590	140.0590 <sup>3</sup>



## Contact tip holder (5 pcs.)

M8	014.D745.5 <sup>1,2</sup>	014.D745.5 <sup>3</sup>
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## Adapter piece (5 pcs.)



	767.D668.5 <sup>1,2</sup>	015.D080.5 <sup>3</sup>
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Liner		305 / 355		405		305 / 355		405	
		for 3 m	for 3 m	for 4 m	for 4 m	for 5 m	for 5 m		
Liner	0.8	124.0011	-	124.0012	-	124.0015	-		
	1.0	124.0026	124.D113	124.0031	124.D114	124.0035	124.D115		
	1.2	124.0026 <sup>1,2</sup>	124.D113	124.0031 <sup>1,2</sup>	124.D114	124.0035 <sup>1,2</sup>	124.D115		
	1.6	124.0041	124.D116 <sup>3</sup>	124.0042	124.D117 <sup>3</sup>	124.0044	124.D118 <sup>3</sup>		
PTFE liner	0.8	126.0005	-	126.0008	-	126.0011	-		
	1.0	126.0021	-	126.0026	-	126.0028	-		
	1.2	126.0021	-	126.0026	-	126.0028	-		
	1.6	126.0039	-	126.0042	-	126.0045	-		
Carbon PTFE liner	0.8	127.0002	-	127.0003	-	127.0004	-		
	1.0	127.0005	-	127.0007	-	127.0008	-		
	1.2	127.0005	-	127.0007	-	127.0008	-		
	1.6	127.0010	-	127.0012	-	127.0013	-		

<sup>1</sup> Included in the standard equipment for complete torches ABIMIG® A 305 LW.

<sup>2</sup> Included in the standard equipment for complete torches ABIMIG® A 355 LW.

<sup>3</sup> Included in the standard equipment for complete torches ABIMIG® A 405 LW.

# MIG/MAG welding torches "ABIMIG® W T"

## Liquid cooled • rating 350 A up to 600 A

Welding torches in the ABIMIG® W T series convince through higher load limits than traditional torches of the same size, because the cooling concept that was redesigned by ABICOR BINZEL protects wearing parts even better against overheating with high power consumption as well.

A spatter protector integrated in the gas nozzles makes them particularly resistant and can be replaced separately where required. In addition, the torch necks and the gas nozzle are nickel-plated, in order to reduce spatter adhesions to a minimum.

Thanks to the rotatable and exchangeable torch necks in various lengths and geometries welders can adjust the ABIMIG® W T torch exactly to their needs.

- Long-life screw-in gas nozzles with integrated, exchangeable spatter protection
- A single basic torch for three capacities – reduces storage and maintenance costs
- Quick change, freely positionable torch necks – increase working comfort and reduce servicing costs
- Torch necks available in many different lengths and bending angles – for best accessibility
- Extended and short triggers available – for best handling
- Tried-and-tested ergonomic grip – easy to hold in all positions



### ABIMIG® W T 340

#### Technical data (EN 60 974-7):

Rating: 400 A CO<sub>2</sub>  
350 A mixed gas M21  
(DIN EN ISO 14175)  
350 A pulse  
Duty cycle: 100%  
Wire size: 0.8–1.2 mm

### ABIMIG® W T 440

#### Technical data (EN 60 974-7):

Rating: 500 A CO<sub>2</sub>  
450 A mixed gas M21  
(DIN EN ISO 14175)  
350 A pulse  
Duty cycle: 100%  
Wire size: 0.8–1.6 mm

### ABIMIG® W T 540

#### Technical data (EN 60 974-7):

Rating: 600 A CO<sub>2</sub>  
550 A mixed gas M21  
(DIN EN ISO 14175)  
400 A pulse  
Duty cycle: 100%  
Wire size: 1.0–1.6 mm

#### Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® W T 340	Push-button short	788.0041.1	788.0042.1	788.0043.1	50°	788.0020.1
ABIMIG® W T 340	Push-button long	788.0116.1	788.0117.1	788.0118.1	50°	788.0020.1
ABIMIG® W T 440	Push-button short	788.0044.1	788.0045.1	788.0046.1	50°	788.0005.1
ABIMIG® W T 440	Push-button long	788.0119.1	788.0120.1	788.0121.1	50°	788.0005.1
ABIMIG® W T 540	Push-button short	788.0047.1	788.0048.1	788.0049.1	50°	788.0026.1
ABIMIG® W T 540	Push-button long	788.0122.1	788.0123.1	788.0124.1	50°	788.0026.1



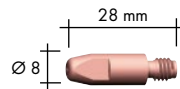
# ABIMIG® W T 340, ABIMIG® W T 440, ABIMIG® W T 540

## Wear parts

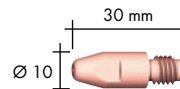


## Gas nozzle incl. spatter protection<sup>1</sup> (5 pcs.)

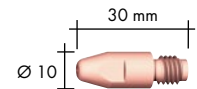
	Ø A		Ø A		Ø A	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5 <sup>2</sup>	Ø 14.5	145.D092.5 <sup>3</sup>	Ø 16	145.0735.5 <sup>4</sup>
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5



**M6**



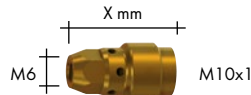
**M8**



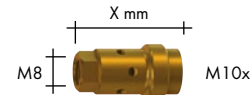
**M8**

## Contact tip (10 pcs.)

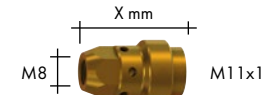
	Ø	M6	M8	M8
E-Cu	Ø 0.8	140.0051	140.0114	-
	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	-	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0003	-
	Ø 1.0	141.0006	141.0008	141.0008
	Ø 1.2	141.0010	141.0015	141.0015
	Ø 1.6	-	141.0022	141.0022
CuCrZr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245 <sup>2</sup>	140.0316	140.0316
	Ø 1.2	140.0382	140.0445 <sup>3</sup>	140.0445 <sup>4</sup>
	Ø 1.6	-	140.0590	140.0590



**X**



**X**



**X**

## Contact tip holder (5 pcs.)

	X	M6	M8	M8
Brass	24.0	142.0241.5	26.0	142.0252.5
	26.0	142.0242.5 <sup>2</sup>	28.0	142.0253.5 <sup>3</sup>
	-	-	31.0	142.0243.5
CuCrZr	26.0	142.0274.5	29.5	142.0262.5
	-	-	-	-
	-	-	-	-

## Torch neck spiral

	Ø	123.D097 <sup>2</sup>	123.D097 <sup>3</sup>	123.D097 <sup>4</sup>
Spiral	Ø 0.8-1.2	123.D097 <sup>2</sup>	123.D097 <sup>3</sup>	123.D097 <sup>4</sup>
	Ø 1.4-1.6	-	123.D098	123.D098
BPL liner with inlet-tip	Ø 0.8-1.2	149.0418.1	149.0418.1	149.0418.1
	Ø 1.4-1.6	149.0420.1	149.0420.1	149.0420.1

Liner		for 3 m	for 4 m	for 5 m
Spiral	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111 <sup>2</sup>	124.0112 <sup>2</sup>	124.0113 <sup>2</sup>
	Ø 1.2	124.0111 <sup>3,4</sup>	124.0112 <sup>3,4</sup>	124.0113 <sup>3,4</sup>
	Ø 1.6	124.0114	124.0115	124.0116
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013



<sup>1</sup> The integrated spatter protection is already contained in the above-mentioned gas nozzles and can be ordered separately on request.

<sup>2</sup> Included in the standard equipment for complete torches ABIMIG® W T 340.

<sup>3</sup> Included in the standard equipment for complete torches ABIMIG® W T 340.

<sup>4</sup> Included in the standard equipment for complete torches ABIMIG® W T 340.

# MIG/MAG welding torches "ABIMIG® W"

## Liquid cooled • rating 350 A up to 600 A

ABIMIG® W torches are optimal whenever the best possible welding results are to be achieved with a torch neck geometry. Thanks to the slim straight handles, the torches fit comfortably in the hand and allow different postural positions and flexibility in torch neck alignment. ABIMIG® W torches are very hard-wearing and, thanks to the double fixation of the torch neck, are particularly well protected against mechanical deformation.

- Coated torch necks and robust design for use at high process temperatures
- Durable, screwable gas nozzles with integrated, replaceable spatter protection
- Extended and short triggers available - for best handling
- Tried-and-tested ergonomic grip - easy to hold in all positions



### ABIMIG® W 340

#### Technical data (EN 60 974-7):

Rating: 400 A CO<sub>2</sub>  
350 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8-1.2 mm

### ABIMIG® W 440

#### Technical data (EN 60 974-7):

Rating: 500 A CO<sub>2</sub>  
450 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8-1.6 mm

### ABIMIG® W 540

#### Technical data (EN 60 974-7):

Rating: 600 A CO<sub>2</sub>  
550 A mixed gas M21  
(DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 1.0-1.6 mm

#### Note for liquid cooled torches:

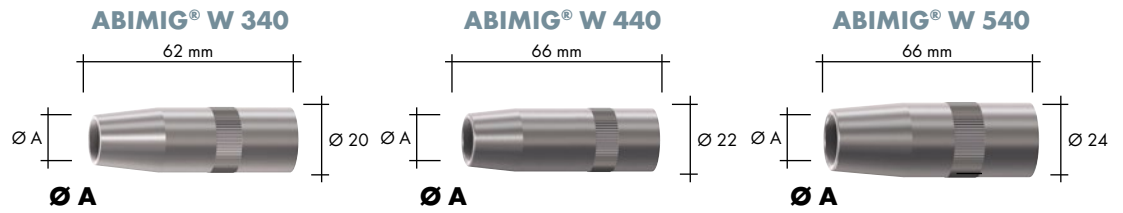
To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® W 340	Push-button short	766.1530.1	766.1531.1	766.1532.1	50°	766.1553.1
ABIMIG® W 340	Push-button long	766.1558.1	766.1559.1	766.1560.1	50°	766.1553.1
ABIMIG® W 440	Push-button short	766.1533.1	766.1534.1	766.1535.1	50°	766.1548.1
ABIMIG® W 440	Push-button long	766.1561.1	766.1562.1	766.1563.1	50°	766.1548.1
ABIMIG® W 540	Push-button short	766.1536.1	766.1537.1	766.1538.1	50°	766.1539.1
ABIMIG® W 540	Push-button long	766.1564.1	766.1565.1	766.1566.1	50°	766.1539.1

Up/Down module on request.

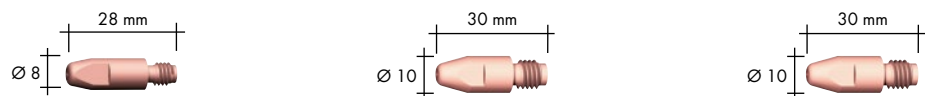
# ABIMIG® W 340, ABIMIG® W 440, ABIMIG® W 540

## Wear parts



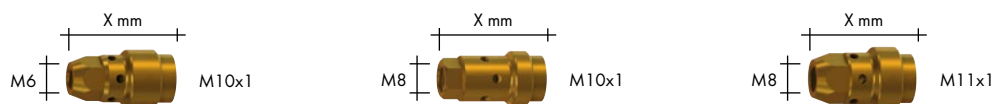
## Gas nozzle incl. spatter protection<sup>1</sup> (5 pcs.)

	Ø A		Ø A		Ø A	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5 <sup>2</sup>	Ø 14.5	145.D092.5 <sup>3</sup>	Ø 16	145.0735.5 <sup>4</sup>
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5



## Contact tip (10 pcs.)

		M6	M8	M8
E-Cu	Ø 0.8	140.0051	140.0114	-
	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	-	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0003	-
	Ø 1.0	141.0006	141.0008	141.0008
	Ø 1.2	141.0010	141.0015	141.0015
	Ø 1.6	-	141.0022	141.0022
CuCrZr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245 <sup>2</sup>	140.0316	140.0316
	Ø 1.2	140.0382	140.0445 <sup>3</sup>	140.0445 <sup>4</sup>
	Ø 1.6	-	140.0590	140.0590



## Contact tip holder (5 pcs.)

	X	X	X			
Brass	24.0	142.0241.5	26.0	142.0252.5	25.0	142.0239.5
	26.0	142.0242.5 <sup>2</sup>	28.0	142.0253.5 <sup>3</sup>	27.0	142.0240.5 <sup>4</sup>
	-	-	31.0	142.0243.5	-	-
	-	-	-	-	-	-
CuCrZr	26.0	142.0274.5	29.5	142.0262.5	25.0	142.0247.5
	-	-	-	-	27.0	142.0248.5
	-	-	-	-	28.5	142.0261.5

Liner	for 3 m			for 4 m			for 5 m		
	Spiral	Ø 0.8	124.0137	124.0138	124.0137	124.0138	124.0139	124.0137	124.0138
PTFE liner	Ø 1.0	124.0111 <sup>2</sup>	124.0112 <sup>2</sup>	124.0111 <sup>2</sup>	124.0112 <sup>2</sup>	124.0113 <sup>2</sup>	124.0111 <sup>2</sup>	124.0112 <sup>2</sup>	124.0113 <sup>2</sup>
	Ø 1.2	124.0111 <sup>3,4</sup>	124.0112 <sup>3,4</sup>	124.0111 <sup>3,4</sup>	124.0112 <sup>3,4</sup>	124.0113 <sup>3,4</sup>	124.0111 <sup>3,4</sup>	124.0112 <sup>3,4</sup>	124.0113 <sup>3,4</sup>
	Ø 1.6	124.0114	124.0115	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116
	Ø 1.6	126.0005	126.0008	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011
Carbon PTFE liner	Ø 1.0	126.0021	126.0026	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045
	Ø 1.6	127.0002	127.0003	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004
Carbon PTFE liner	Ø 1.0	127.0005	127.0007	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013
	Ø 1.6	127.0010	127.0012	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013

<sup>1</sup> The integrated spatter protection is already contained in the above-mentioned gas nozzles and can be ordered separately on request.

<sup>2</sup> Included in the standard equipment for complete torches ABIMIG® W 340.

<sup>3</sup> Included in the standard equipment for complete torches ABIMIG® W 440.

<sup>4</sup> Included in the standard equipment for complete torches ABIMIG® W 540.

# MIG/MAG machine welding torches

## Air and liquid cooled

ABIMIG® torches in the MT series were developed specially for the requirements in partially mechanised welding processes and are just as robust and versatile as all ABIMIG® models. ABIMIG® MT W T and A T torches with changeable torch necks are able to display their advantages in particular in tasks with different demands on the required neck geometries. In addition, the quick torch neck change ensures short setting up and maintenance times.

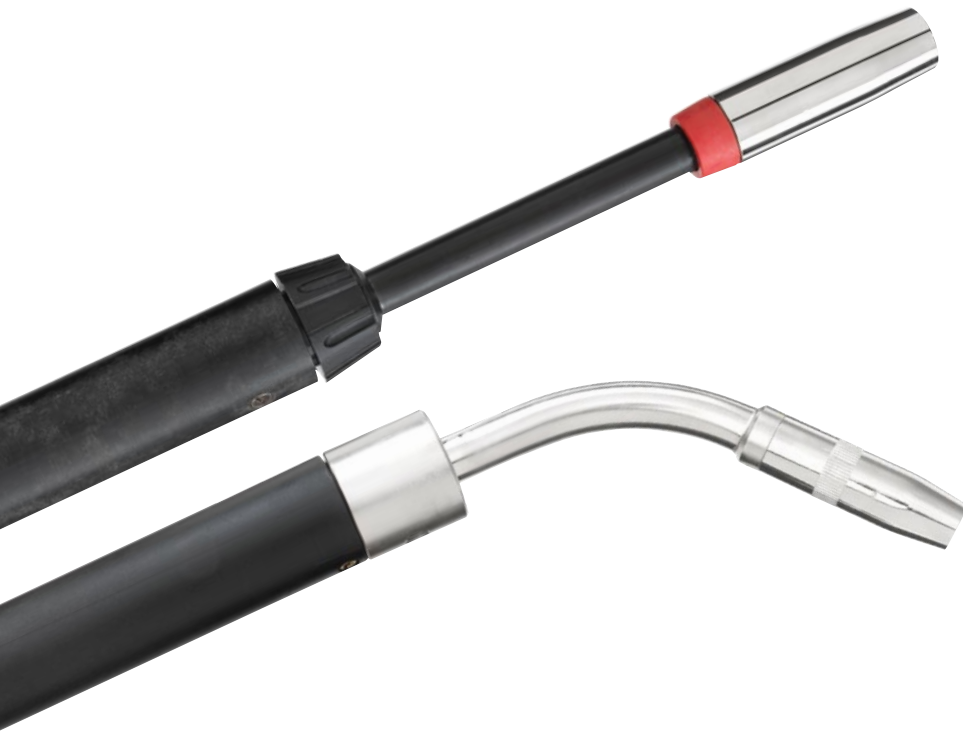
Liquid-cooled ABIMIG® MT W torches with a fixed torch neck and easily reproducible TCP (working point/tool centre point) are suitable for mechanised welding with a long duty cycle, in particular with components without a restriction on accessibility.

### Advantages ABIMIG® MT A T & W T

- Rotatable and exchangeable torch neck
- Robust welding torch, durable construction
- 8-fold positioning of the torch neck for optimal accessibility also for demanding seam geometries
- Reduction of set-up and repair times with quick-change torch neck

### Advantages ABIMIG® MT W

- Fixed torch neck with distinct reproducible TCP
- Robust welding torch, durable construction
- Very good accessibility due to a slim front end (ABIMIG® MT W 340 & 440)

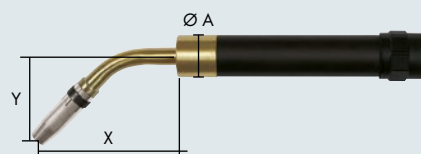


### Order information:

When ordering complete torches, please indicate the torch type, torch geometry (straight or bent) and dimension „L“ (see sketch).

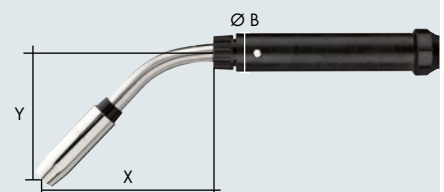
The wear parts – contact tip, gas nozzle, gas diffuser, contact tip holder, neck liner or liner – are identical with those of the manual welding torches of same size (ABIMIG® 455 on request).

#### Fixed swan neck

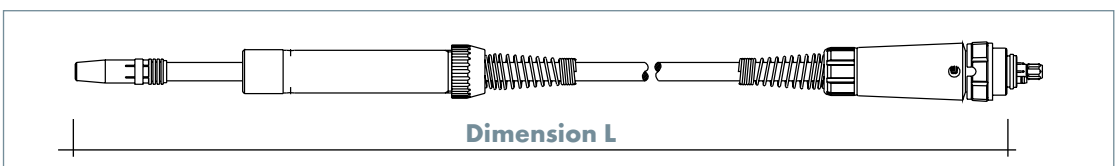


Ø A	air cooled torches:	38 mm
	liquid cooled torches:	38 mm

#### Changeable swan neck



Ø B	air cooled torches:	37 mm
	liquid cooled torches:	40 mm



**ABIMIG® MT A T** – base torch with changeable swan neck interface (air cooled)

Type	Length	Connection	Part-No.
ABIMIG® MTG 255	3.00 m	KZ-2	904.D010.1
ABIMIG® MTG 305	3.00 m	KZ-2	918.D023.1
ABIMIG® MTG 355	3.00 m	KZ-2	914.D020.1
ABIMIG® MTG 405 / 455	3.00 m	KZ-2	916.D005.1

**ABIMIG® MT A T** – COMBI swan necks (equipped with contact tip E-Cu, screwed gas nozzle, neck liner)

Type	Geo- metry	X (mm)	Y (mm)	Duty cycle	Rating <sup>1</sup> CO <sub>2</sub> / M21	Gas nozz- le	Wire size	Part-No.
COMBI swan neck A T 255 T8	0°	195	0	60%	240 A 220 A	ND 16	1.0 mm	004.0690.1
COMBI swan neck A T 255 T8	45°	160	85	60%	240 A 220 A	ND 16	1.0 mm	004.0628.1
COMBI swan neck A T 305K T8M	0°	170	0	60%	290 A 260 A	ND 18	1.2 mm	014.0538.1
COMBI swan neck A T 305K T8M	45°	135	75	60%	290 A 260 A	ND 18	1.2 mm	014.0468.1
COMBI swan neck A T 305 T8M	0°	195	0	60%	290 A 260 A	ND 18	1.2 mm	014.0540.1
COMBI swan neck A T 305 T8M	45°	185	95	60%	290 A 260 A	ND 18	1.2 mm	014.0474.1
COMBI swan neck A T 355K T8M	0°	195	0	60%	340 A 320 A	ND 18	1.2 mm	014.0540.1
COMBI swan neck A T 355 T8M	45°	185	95	60%	340 A 320 A	ND 18	1.2 mm	014.0474.1
COMBI swan neck A T 405 T8M	0°	250	0	60%	400 A 370 A	ND 18	1.6 mm	015.0103.1
COMBI swan neck A T 405 T8M	45°	210	95	60%	400 A 370 A	ND 18	1.6 mm	015.0089.1
COMBI swan neck A T 455 T8M	0°	270	0	60%	400 A 370 A	ND 19	1.6 mm	016.0034.1

**ABIMIG® MT W T** – base torch with changeable swan neck interface (liquid cooled)

Type	Length	Connection	Part-No.
ABIMIG® MT W T G	2.00 m	WZ-0	933.0001.1
ABIMIG® MT W T G	3.00 m	WZ-0	933.D007

**ABIMIG® MT W T** – COMBI swan necks (equipped with contact tip CuCrZr, screwed gas nozzle, neck liner)

Type	Geo- metry	X (mm)	Y (mm)	Duty cycle	Rating <sup>1</sup> CO <sub>2</sub> / M21	Gas nozz- le	Wire size	Part-No.
COMBI swan neck W T 340	0°	170	0	100%	400 A 350 A	ND 12.5	1.0 mm	788.0127.1
COMBI swan neck W T 340	50°	140	85	100%	400 A 350 A	ND 12.5	1.0 mm	788.0019.1
COMBI swan neck W T 440	0°	175	0	100%	500 A 450 A	ND 14.5	1.2 mm	788.0129.1
COMBI swan neck W T 440	50°	145	85	100%	500 A 450 A	ND 14.5	1.2 mm	788.0004.1
COMBI swan neck W T 540	0°	190	0	100%	600 A 550 A	ND 16.0	1.2 mm	788.0133.1
COMBI swan neck W T 540	50°	150	90	100%	600 A 550 A	ND 16.0	1.2 mm	788.0025.1

**ABIMIG® MT W** – complete torch fixed

Type	Length	Geo- metry	X (mm)	Y (mm)	Duty cycle	Rating CO <sub>2</sub> / M21	Gas nozz- le	Wire size	Part-No.
ABIMIG® MT W 340	2.0 m	50°	135	85	100%	400 A 350 A	ND 12.5	1.0 mm	766.1641.1
ABIMIG® MT W 440	2.0 m	50°	140	85	100%	500 A 450 A	ND 14.5	1.2 mm	766.1642.1
ABIMIG® MT W 540	2.0 m	50°	155	90	100%	600 A 550 A	ND 16.0	1.2 mm	766.1643.1

Other lengths of cable assemblies and torch neck geometries on request.

<sup>1</sup> Performance data, each in combination with a corresponding base torch of the same size (e.g. COMBI swan neck A T 255 T8 with ABIMIG® MTG 255).

# Bikox<sup>®</sup>, control cables, hoses and liners

## I. Cable assemblies air cooled

Type	Bikox <sup>®</sup>	Cable assembly length			
		3 m	4 m	5 m	8 m
ABIMIG <sup>®</sup> A T 155 LW	R4 / LW	160.H025.1	160.H026.1	160.H027.1	-
ABIMIG <sup>®</sup> A T 255 LW	R5 / LW	160.H032.1	160.H033.1	160.H034.1	-
ABIMIG <sup>®</sup> A T 305 LW	R6 / LW	160.H039.1	160.H040.1	160.H041.1	-
ABIMIG <sup>®</sup> A T 355 LW	R7 / LW	160.H046.1	160.H047.1	160.H048.1	-
ABIMIG <sup>®</sup> A T 405 LW	R9 / LW	160.H344.1	160.H345.1	160.H346.1	-
ABIMIG <sup>®</sup> A 155 LW	R18 / LW	160.H025.1	160.H026.1	160.H027.1	-
ABIMIG <sup>®</sup> A 255 LW	R28 / LW	160.H032.1	160.H033.1	160.H034.1	-
ABIMIG <sup>®</sup> A 305 LW	R42 / LW	160.H039.1	160.H040.1	160.H041.1	-
ABIMIG <sup>®</sup> A 355 LW	R53 / LW	160.H046.1	160.H047.1	160.H048.1	-
ABIMIG <sup>®</sup> A 405 LW	RA 70 / LW	160.H344.1	160.H345.1	160.H346.1	-

## II. Cable assemblies liquid cooled

Type	Description	Cable assembly length				per m
		3 m	4 m	5 m	8 m	
ABIMIG <sup>®</sup> W T 340 / 440 / 540	Power cable PVC	115.0581	115.0582	115.0583	-	-
ABIMIG <sup>®</sup> W 340 / 440 / 540	Power cable PVC	115.0855.1	115.0856.1	115.0857.1	-	-
ABIMIG <sup>®</sup> W T 340 / 440 / 540	Wire conduit	109.0094.1	109.0095.1	109.0096.1	-	-
ABIMIG <sup>®</sup> W 340 / 440 / 540	Wire conduit / gas hose	154.0020.1	154.0021.1	154.0022.1	-	-
ABIMIG <sup>®</sup> W T 340 / 440 / 540	Water hose blue PVC, Ø 5.5x1.5	-	-	-	-	109.0057
ABIMIG <sup>®</sup> W 340 / 440 / 540	Water hose blue PVC, Ø 5.5x1.5	-	-	-	-	109.0057
ABIMIG <sup>®</sup> W 340 / 440 / 540	Water hose red PVC, Ø 5.5x1.5	-	-	-	-	109.0056
All torches	Control cable 2-pole	-	-	-	-	100.0019

## III. Outer and suction hose

Type	Description	Cable assembly length				per m
		3 m	4 m	5 m	per m	
ABIMIG <sup>®</sup> W T 340 / 440 / 540	Outer hose 25x1.5 (with bend protection))	107.0079	107.0044	107.0080	-	
ABIMIG <sup>®</sup> W 340 / 440 / 540	Outer hose 25x1.5 (with bend protection))	107.0109.1	107.0110.1	107.0111.1	107.0004	

## IV. Hose clamps, quick connector and marking washer

Type	Pcs.	Part-No.	for hose			
			109.0040	109.0052	109.0056	109.0057
Hose clamp Ø=8.7	100	171.0002	•			
Hose clamp Ø=9.0 with ring (mark. 9.5)	100	173.0001			•	•
Hose clamp Ø=9.5 with ring (mark.10.0)	100	173.0002		•		
Quick connector ND 5 / Ø=6.0	20	501.0114		•	•	•
Marking washer red	20	501.2166		•		
Marking washer blue	20	501.2167		•		
Fastener cap red	20	501.2423		•	•	
Fastener cap blue	20	501.2424		•		•

## V. Combined wire guides

Type	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
PTFE / brass	0.8	126.M002	126.M003	126.M004	-
PTFE / brass	1.0-1.2	126.M006	126.M007	126.M008	-
PTFE / brass	1.6	126.M009	126.M010	126.M011	-
Carbon-PTFE / brass	0.8	127.M002	127.M003	127.M004	-
Carbon-PTFE / brass	1.0-1.2	127.M006	127.M007	127.M008	-
PA / brass	1.0-1.2	128.M002	128.M003	128.M004	-
P (for ABIMIG® A / A T 405 LW)	1.0	126.D026.1	126.D027.1	126.D028.1	-
P (for ABIMIG® A / A T 405 LW)	1.2	126.D029.1	126.D030.1	126.D031.1	-

## VI. PA liner

Liner	Color	Ø inside / outside	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
PA liner	grey	2.0 / 4.0	1.0-1.2	128.0012	128.0015	128.0016	128.0019
PA liner	grey	2.3 / 4.7	1.6	128.0020	128.0021	128.0030	128.0023
PA liner	grey	2.9 / 4.7	2.4	128.0024	128.0025	128.0027	128.0032
PA liner with inlet-tip	grey	2.3 / 4.7	1.2-1.6	128.0058.1	128.0059.1	128.0060.1	-

## VII. BPL liner

Liner	Color	Ø inside / outside	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
BPL liner with inlet-tip	orange	2.0 / 4.7	0.8-1.2	126.0069	126.0070	126.0071	-
BPL liner with inlet-tip	petrol	2.7 / 4.7	1.6	126.0072	126.0073	126.0074	-

# Handles and modules

## Handles ABIMIG® A T / W T without modules



Push-button long, blind cover



Push-button short, blind cover

Type	Description	Part-No.
Handle ABIMIG® A T push-button long	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	180.D077.1
Handle ABIMIG® A T push-button short	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	180.D078.1
Cable protection ABIMIG® A T, short	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	400.D574.1
Handle ABIMIG® W T push-button long	for ABIMIG® W T 340 / 440 / 540	180.0164.1
Handle ABIMIG® W T push-button short	for ABIMIG® W T 340 / 440 / 540	180.0165.1
Half rings (fixes cable protection on handle), 1 pair	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W T 340 / 440 / 540	400.D561.2

## Handles ABIMIG® A T / W T with module Up/Down



Push-button long, Up/Down



Push-button short, Up/Down

Type	Description	Part-No.
Handle push-button long, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	180.D079.1
Handle push-button short, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	180.D080.1
Cable protection ABIMIG® A T, short	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	400.D574.1
Handle push-button long, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® W T 340 / 440 / 540	180.0166.1
Handle push-button short, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® W T 340 / 440 / 540	180.0167.1
Half rings (fixes cable protection on handle), 1 pair	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W T 340 / 440 / 540	400.D561.2



### Handles ABIMIG® A / W without modules



Push-button long, blind cover



Push-button short, blind cover

Type	Description	Part-No.
Handle ABIMIG® A push-button long	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	180.0180.1
Handle ABIMIG® A push-button short	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	180.0181.1
Cable protection ABIMIG® A, short	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	400.D574.1
Handle ABIMIG® W push-button long	for ABIMIG® W 340 / 440 / 540	180.0180.1
Handle ABIMIG® W push-button short	for ABIMIG® W 340 / 440 / 540	180.0181.1
Half rings (fixes cable protection on handle), 1 pair	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W 340 / 440 / 540	400.D561.2

### Handles ABIMIG® A / W with module Up/Down



Push-button long, Up/Down



Push-button short, Up/Down

Type	Description	Part-No.
Handle push-button long, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	180.0182.1
Handle push-button short, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	180.0183.1
Cable protection ABIMIG® A, short	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	400.D574.1
Handle push-button long, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® W 340 / 440 / 540	180.0182.1
Handle push-button short, incl. module BIS-52 Up/Down 2x push-button (400.1292.1)	for ABIMIG® W 340 / 440 / 540	180.0183.1
Half rings (fixes cable protection on handle), 1 pair	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W 340 / 440 / 540	400.D561.2

# Fume extraction system

## FES-200 and FES-200 W3

Mobile, powerful and easy to use! The Fume Extraction System FES-200 - for optimum extraction of contaminants with fume extraction directly at the arc. The W3 version is certified for all CrNi-steels!

The high-vacuum extraction unit FES-200 and FES-200 W3 with the RAB GRIP torches constitutes the perfect system to extract welding fumes most effectively. Hence, the welder and his environment are best protected, and the most productive work enabled.

- Weighs approx. 23 kg
- Automatic start/stop function included in basic equipment
- Integrated manual filter cleaning system for longer uses
- A filter contamination meter; only clean when necessary
- IFA certified W3-License



The FES-200 W3 was developed specifically to meet the demands of chrome and nickel material joining, and is certified by the Institute of Work Safety with the **W3 license for all welding applications** or related procedures with emissions suitable to KMR / 1.2 materials\*. Thus, this device enables the filtering of the exhaust, and work to be conducted without these otherwise harmful effects.

\* List of carcinogenic, mutagenic, or toxic to reproduction materials

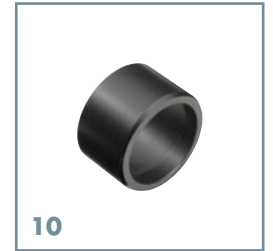
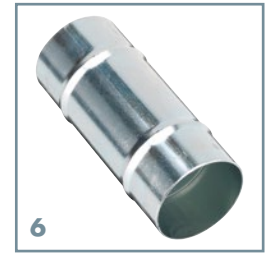
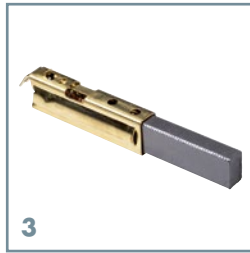
## Complete extraction unit



## Extraction unit package includes:

- Extraction hose with sleeve
- Start/Stop shunt
- 10 dust collection bags
- Filter cartridge

## Replacement parts and accessories



Pos.	Description	Part-No.
1	Complete unit FES-200 (230 V)	601.0001.1
	Complete unit FES-200 (115 V)	601.0002.1
2	Complete unit FES-200 W3 (230 V)	601.0034.1
	Complete unit FES-200 W3 (115 V)	601.0035.1
3	Carbon brush (230 V)	601.0005.1
	Carbon brush (115 V)	601.0017.1
4	Filter cartridge FES-200	601.0008.1
	Filter cartridge FES-200, carbonized	601.0056.1
	Filter cartridge FES-200 W3	601.0048.1
	Filter cartridge FES-200 W3, carbonized	601.0053.1
5	Hose with sleeve, L = 5.00 m	601.0015.1
6	Adapter ring (connection for two hoses)	601.0046.1
7	Start/stop shunt, 4-pole	601.0041.1
8	Dust collection bag (w/o pan)	601.0021.10
9	Exhaust casting FES-200 (optional)	601.0023.1
10	Adapter ring FES-200 / RAB Plus (50 / 44 mm)	601.0031.1
11	Suction funnel flexible with stand	601.0016.1

\*Included in the standard equipment of the complete unit.

## Our product range:

### ■ MIG/MAG

- Welding torches
- Machine and special torches
- Push-Pull welding torches
- Fume extraction torches
- Central adapter system

### ■ TIG

- Welding torches
- Machine and special torches

### ■ PLASMA

- Cutting torches
- Welding torches
- Machine and special torches

### ■ Robotic peripheral equipment

- Robot torches  
MIG/TIG/PLASMA
- Robot mount CAT2/iCAT
- Torch change system  
ATS-Rotor
- Tool change system WWS
- Wire cutting station DAV
- Torch cleaning stations  
BRS-LC, BRS-CC and BRS-FP
- Wire feeding station APD-MF

### ■ Welding accessories

- Fume extraction systems
- Coolers
- Welding cable plug and socket
- Anti spatter Spray and paste  
and so on ...



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# TIG CATALOG 4.1



TIG Welding Technology for all  
Metalworking Industries.





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# TIG Welding Torches "ABITIG® GRIP"

## air and liquid cooled

ABITIG® GRIP – the complete solution in the field of TIG welding torches. This range represents a logical development of the ABITIG® torch range, which has distinguished itself by its consistent implementation of modular design and optimum ergonomics.

The torches in various ratings, both air and liquid cooled, are fitted with a uniform ergonomic handle with "GRIP" and optimised cable assembly management, into which numerous switch and control functions can be integrated. All consumables are compatible to the international "SR-Standard".

The flexible cable assemblies are available with modular and robust machine-side connections.

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for most available TIG welding power sources
- Consumables compatible to the international standard



### ABITIG® GRIP 9

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Rating:	110 A DC 80 A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 0.5–1.6 mm

### ABITIG® GRIP 20 / ABITIG® GRIP 20 SC

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	240 A DC / 320 A DC 170 A AC / 220 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 0.5–3.2 mm

<sup>1</sup> Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.



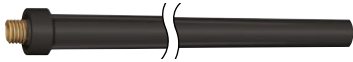
Torch complete			Torch body	
Type	Cooling	Part-No.	Version	Part-No.
ABITIG® GRIP 9	air cooled	see comment <sup>2</sup>	Standard; 46.0 mm	712.5020
ABITIG® GRIP 9 F	air cooled	see comment <sup>2</sup>	Flexible; 46.0 mm	712.5030
ABITIG® GRIP 20 / SC	liquid cooled	see comment <sup>2</sup>	Standard; 46.0 mm	712.3020
ABITIG® GRIP 20 F	liquid cooled	see comment <sup>2</sup>	Flexible; 46.0 mm	712.3030
ABITIG® GRIP 20 F	liquid cooled	see comment <sup>2</sup>	Flexible; 75.0 mm	712.3040.1
ABITIG® GRIP 20 F	liquid cooled	see comment <sup>2</sup>	Flexible; 110.0 mm	712.3050.1

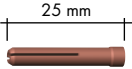
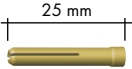
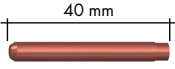
<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).




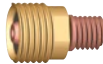

# ABITIG® GRIP 9, ABITIG® GRIP 20, ABITIG® GRIP 20 SC

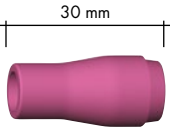
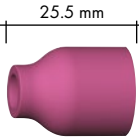
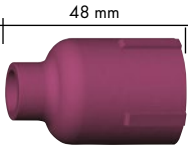
## Wear parts

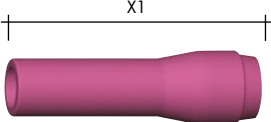

			
<b>Back cap</b> (10 pcs.)	<b>Short</b>	<b>Medium</b>	<b>Long</b>
	701.0240 / 41V33	701.0244 / 41V35	701.0247 / 41V24

			
<b>Collet</b> (10 pcs.)	<b>Standard version</b>	<b>Brass version</b>	<b>Jumbo version</b>
Ø 0.5 mm	701.0249 / 13N20	701.1060	701.1225 / 13N20L
Ø 1.0 mm	701.0250 / 13N21	701.1061	701.1226 / 13N21L
Ø 1.2 mm	701.0254 / -	-	-
Ø 1.6 mm	701.0251 / 13N22	701.1019	701.1227 / 13N22L
Ø 2.0 mm	701.0255 / -	-	-
Ø 2.4 mm	701.0252 / 13N23	701.1020	701.1228 / 13N23L
Ø 3.2 mm	701.0253 / 13N24	701.1063	701.1229 / 13N24L

		
<b>Insulating ring / Adaptor</b>	<b>Insulating ring</b> (10 pcs.)	<b>Adaptor</b> (5 pcs.)
	702.0055 / 598882	701.1234 / 54N63-20

			
<b>Collet body</b> (10 pcs.)	<b>Standard version</b>	<b>Standard version with gas lens</b>	<b>Jumbo version with gas lens</b>
Ø 0.5-1.0 mm	701.0275 / 13N26	701.0301 / 45V42	701.1230 / 45V0204S
Ø 1.2 mm	701.0279 / -	701.0313 / -	-
Ø 1.6 mm	701.0276 / 13N27	701.0307 / 45V43	701.1231 / 45V116S
Ø 2.0 mm	701.0280 / -	701.0315 / -	-
Ø 2.4 mm	701.0277 / 13N28	701.0309 / 45V44	701.1232 / 45V64S
Ø 3.2 mm	701.0278 / 13N29	701.0311 / 45V45	701.1233 / 995795S

			
<b>Gas nozzle, ceramic</b> (10 pcs.)	<b>Standard version</b>	<b>Standard version for gas lens</b>	<b>Jumbo version for gas lens</b>
No. 4 Ø 6.5 mm	701.0281 / 13N08	701.0317 / 53N58	-
No. 5 Ø 8.0 mm	701.0282 / 13N09	701.0318 / 53N59	-
No. 6 Ø 9.5 mm	701.0283 / 13N10	701.0319 / 53N60	701.1199 / 57N75
No. 7 Ø 11.0 mm	701.0284 / 13N11	701.0320 / 53N61	-
No. 8 Ø 12.5 mm	701.0285 / 13N12	701.0322 / 53N61S	701.1200 / 57N74
No. 10 Ø 16.0 mm	701.0286 / 13N13	-	701.1201 / 53N88
No. 12	-	-	701.1121 / 53N87

		
<b>Gas nozzle, ceramic</b> (10 pcs.)	<b>Standard version</b>	<b>Jumbo version for gas lens<sup>1</sup></b>
No. 4 Ø 6.5 mm 48 mm	701.0289 / 796F71	701.1202 / 53N89
No. 5 Ø 8.0 mm 48 mm	701.0290 / 796F72	
No. 6 Ø 9.5 mm 48 mm	701.0291 / 796F73	
No. 4 Ø 6.5 mm 63 mm	701.0293 / 796F75	
No. 5 Ø 8.0 mm 63 mm	701.0294 / 796F76	
No. 4 Ø 6.5 mm 89 mm	701.0296 / 796F79	

<sup>1</sup> not suitable for high frequency

# TIG Welding Torches "ABITIG® GRIP"

## air and liquid cooled



**ABITIG® GRIP handle system – see page 44–45**

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for most available TIG welding power sources
- Consumables compatible to the international standard

### ABITIG® GRIP 17

#### Technical data (EN 60 974-7):

Type of cooling: air cooled  
 Rating: 140 A DC  
 100 A AC  
 Duty cycle: 35%  
 Tungsten electrodes: Ø 0.5–2.4 mm

### ABITIG® GRIP 18

#### Technical data (EN 60 974-7):

Type of cooling: liquid cooled<sup>1</sup>  
 Rating: 320 A DC  
 230 A AC  
 Duty cycle: 100%  
 Tungsten electrodes: Ø 0.5–4.0 mm

<sup>1</sup>Torch input pressure:  
 Min. 2.5 bar (max. 3.5 bar);  
 Min. flow rate: 0.9 l/min.

### ABITIG® GRIP 26

#### Technical data (EN 60 974-7):

Type of cooling: air cooled  
 Rating: 180 A DC  
 130 A AC  
 Duty cycle: 35%  
 Tungsten electrodes: Ø 0.5–4.0 mm

Technical data based on cable assembly lengths of up to 8.00 m.

#### Torch complete

Type	Cooling	Part-No.	Version	Torch body Part-No.
ABITIG® GRIP 17	air cooled	see comment <sup>2</sup>	Standard; 65.0 mm	712.1020
ABITIG® GRIP 17 F	air cooled	see comment <sup>2</sup>	Flexible; 65.0 mm	712.1030
ABITIG® GRIP 18	liquid cooled	see comment <sup>2</sup>	Standard; 69.0 mm	712.2020
ABITIG® GRIP 18 F	liquid cooled	see comment <sup>2</sup>	Flexible; 69.0 mm	712.2030
ABITIG® GRIP 18 K	liquid cooled	see comment <sup>2</sup>	Short; 59.0 mm	712.2230
ABITIG® GRIP 26	air cooled	see comment <sup>2</sup>	Standard; 79.0 mm	712.4020
ABITIG® GRIP 26 F	air cooled	see comment <sup>2</sup>	Flexible; 79.0 mm	712.4030
ABITIG® GRIP 26 K	air cooled	see comment <sup>2</sup>	Short; 59.0 mm	712.4230

<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

# ABITIG® GRIP 17, ABITIG® GRIP 18, ABITIG® GRIP 26

## Wear parts



**Back cap** (10 pcs.)

**Short**

**Long**

712.1053

712.1051



**Collet** (10 pcs.)

**Version (50 mm)**

**Version (52 mm)**

Ø 0.5 mm	702.0005 / 10N21	701.0169 / 10N21D
Ø 1.0 mm	702.0006 / 10N22	701.0171 / 10N22D
Ø 1.2 mm	702.0007 / -	701.0170 / -
Ø 1.6 mm	702.0008 / 10N23	701.0172 / 10N23D
Ø 2.0 mm	702.0012 / -	701.0176 / -
Ø 2.4 mm	702.0009 / 10N24	701.0173 / 10N24D
Ø 3.2 mm	702.0010 / 10N25	701.0174 / 10N25D
Ø 4.0 mm	702.0011 / 54N20	701.0175 / 54N20D



**Insulating ring / Adaptor**

**Insulating ring** (10 pcs.)

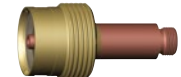
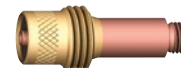
**Adaptor** (10 pcs.)

**Adaptor** (5 pcs.)

703.0012 / 18CG

701.0130 / 54N01

701.1122 / 54N63



**Collet body**

**Standard version**  
(10 pcs.)

**Standard version  
with gas lens** (10 pcs.)

**Jumbo version  
with gas lens** (5 pcs.)

Ø 0.5–1.2 mm	701.0190 / 10N30	701.0201 / 45V24	-
Ø 1.6 mm	701.0191 / 10N31	701.0203 / 45V25	701.1116 / 45V116
Ø 2.0 mm	701.0196 / 10N32	701.0207 / 45V26	-
Ø 2.4 mm	701.0196 / 10N32	701.0207 / 45V26	701.1117 / 45V64
Ø 3.2 mm	701.0197 / 10N28	701.0209 / 45V27	701.1118 / 995795
Ø 4.0 mm	701.0198 / 406488	701.0211 / 45V28	701.1208 / 45V63

47 mm

42 mm

48 mm



**Gas nozzle, ceramic**  
(10 pcs.)

**Standard version**

**Standard version  
for gas lens**

**Jumbo version  
for gas lens**

No. 4 Ø 6.5 mm	701.0107 / 10N50	701.0420 / 54N18	-
No. 5 Ø 8.0 mm	701.0108 / 10N49	701.0421 / 54N17	-
No. 6 Ø 9.5 mm	701.0109 / 10N48	701.0422 / 54N16	701.1199 / 57N75
No. 7 Ø 11.0 mm	701.0110 / 10N47	701.0423 / 54N15	-
No. 8 Ø 12.5 mm	701.0111 / 10N46	701.0424 / 54N14	701.1200 / 57N74
No. 10 Ø 16.0 mm	701.0113 / 10N45	-	701.1201 / 53N88
No. 12 Ø 19.5 mm	701.0114 / 10N44 <sup>1</sup>	701.0426 / 54N19	701.1121 / 53N87

<sup>1</sup> 50 mm long

76 mm

76 mm

34 mm



**Gas nozzle, ceramic**  
(10 pcs.)

**Standard version**

**Standard version  
for gas lens**

**Jumbo version  
for gas lens<sup>2</sup>**

No. 5 Ø 8.0 mm	701.0115 / 10N49L	701.0427 / 54N17L	-
No. 6 Ø 9.5 mm	701.0116 / 10N48L	701.0428 / 54N16L	-
No. 7 Ø 11.0 mm	701.0117 / 10N47L	701.0429 / 54N15L	-
Ø 24.0 mm	-	-	701.1202 / 53N89

<sup>2</sup> not suitable for high frequency

# TIG Welding Torches "ABITIG® GRIP"

## air and liquid cooled

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
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- Consumables compatible to the international standard



### ABITIG® GRIP 24 G

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Rating:	110 A DC 80 A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 0.5–1.6 mm

### ABITIG® GRIP 24 W

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	140 A DC 100 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 0.5–2.4 mm

<sup>1</sup> Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.

**ABITIG® GRIP handle system – see page 44–45**

Torch complete			Torch body	
Type	Cooling	Part-No.	Version	Part-No.
ABITIG® GRIP 24 G	air cooled	see comment <sup>2</sup>	Standard; 55.0 mm	712.7020
ABITIG® GRIP 24 W	liquid cooled	see comment <sup>2</sup>	Standard; 55.0 mm	712.7120

<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

# ABITIG® GRIP 24 G, ABITIG® GRIP 24 W

## Wear parts



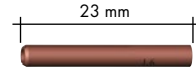
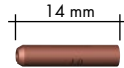
**Insulating sleeve /  
Insulator** (10 pcs.)

**Insulating sleeve**



**Insulator for gas lens**

	701.0458 / 53N22	701.0459 / 53N66
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**Collet** (10 pcs.)

**Standard version**

**Standard version for gas lens**

Ø 0.5 mm	-	-
Ø 1.0 mm	701.0453 / 53N16	701.0462 / 53N63
Ø 1.2 mm	701.0455 / -	701.0464 / -
Ø 1.6 mm	701.0454 / 53N14	701.0463 / 54N64
Ø 2.0 mm	701.0456 / -	701.0466 / -
Ø 2.4 mm	701.0457 / 24C332	701.0465 / 24GLC332



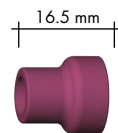
**Collet body** (10 pcs.)

**Standard version**

**Standard version with gas lens**



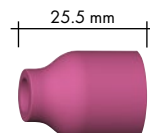
Ø 0.5 mm	701.0479 / 53N17	701.0301 / 45V41
Ø 1.0 mm	701.0480 / 53N18	701.0301 / 45V42
Ø 1.2 mm	701.0483 / -	701.0313 / -
Ø 1.6 mm	701.0481 / 53N19	701.0307 / 45V43
Ø 2.0 mm	701.0484 / -	701.0315 / -
Ø 2.4 mm	701.0482 / 24CB332	701.0309 / 45V44



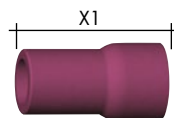
**Gas nozzle, ceramic**  
(10 pcs.)

**Standard version**

**Standard version for gas lens**



No. 4 Ø 6.5 mm	701.0468 / 53N24	701.0317 / 53N58
No. 5 Ø 8.0 mm	701.0469 / 53N25	701.0318 / 53N59
No. 6 Ø 9.5 mm	701.0470 / 53N27	701.0319 / 53N60
No. 7 Ø 11.0 mm	-	701.0320 / 53N61



**Gas nozzle, ceramic**  
(10 pcs.)

**Standard version**

No. 4L Ø 6.5 mm 29.0 mm	701.0471 / 53N28
No. 6L Ø 9.5 mm 29.0 mm	701.0472 / 53N26
No. 4L Ø 6.5 mm 62.5 mm	701.0473 / 53N24L
No. 5L Ø 8.0 mm 91.5 mm	701.0474 / 53N27L

# TIG Welding Torches "ABITIG® GRIP" liquid cooled

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for all available TIG welding power sources
- Consumables compatible to the international standard



**ABITIG® GRIP handle system –  
see page 44–45**

## ABITIG® GRIP 12-1

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	350 A DC 250 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6–4.0 mm

<sup>1</sup> Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.



Technical data based on cable assembly lengths of up to 8.00 m.


Torch complete		Torch body		
Type	Cooling	Part-No.	Version	Part-No.
ABITIG® GRIP 12-1	liquid cooled	see comment <sup>2</sup>	Standard; 70.0 mm	712.0020



<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

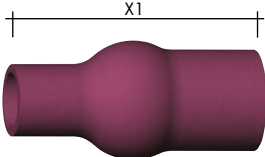
# ABITIG® GRIP 12-1

## Wear parts

		
<b>Back cap</b> (10 pcs.)	<b>Short</b> 712.0053	<b>Long</b> 712.0051

	
<b>Collet</b> (10 pcs.)	<b>Standard version</b>
Ø 1.6 mm	712.0062
Ø 2.4 mm	712.0063
Ø 3.2 mm	712.0064
Ø 4.0 mm	712.0065

		
<b>Collet body</b> (10 pcs.)	<b>Standard version</b>	<b>Standard version with gas lens</b>
Ø 1.6 mm	712.0072	712.0101
Ø 2.4 mm	712.0073	712.0102
Ø 3.2 mm	712.0074	712.0103
Ø 4.0 mm	712.0075	712.0104

	
<b>Gas nozzle, ceramic</b> (10 pcs.)	<b>Standard version</b>
<b>X1</b>	
No. 4 Ø 6.5 mm 43 mm	704.0046 / 130.00
No. 5 Ø 8.0 mm 43 mm	704.0047 / 131.00
No. 6 Ø 9.5 mm 43 mm	704.0048 / 132.00
No. 7 Ø 11.0 mm 43 mm	704.0049 / 133.00
No. 8 Ø 12.5 mm 43 mm	704.0050 / 134.00
No. 9 Ø 14.5 mm 43 mm	704.0051 / 135.00
No. 10 Ø 16.0 mm 43 mm	704.0052 / 136.00
No. 11 Ø 17.5 mm 48 mm	704.0053 / 137.00

# TIG Welding Torches "ABITIG® GRIP" liquid cooled

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types - offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle - individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for all available TIG welding power sources
- Consumables compatible to the international standard



## ABITIG® GRIP 18 SC

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	400 A DC 280 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 0.5-4.8 mm

<sup>1</sup> Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.9 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.

#### Torch complete

Type	Cooling	Part-No.	Version	Torch body	Part-No.
ABITIG® GRIP 18 SC	liquid cooled	see comment <sup>2</sup>	Standard; 75.0 mm		712.6020

<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches - this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).



# ABITIG® GRIP 18 SC

## Wear parts



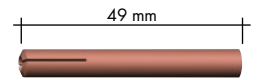
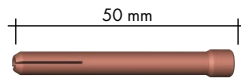
### Back cap (10 pcs.)

#### Short

712.1053

#### Long

712.1051



### Collet (10 pcs.)

#### Standard version

#### HL version<sup>1</sup>

Ø 0.5 mm	702.0005 / 10N21	-
Ø 1.0 mm	702.0006 / 10N22	-
Ø 1.6 mm	702.0008 / 10N23	-
Ø 2.4 mm	702.0009 / 10N24	-
Ø 3.2 mm	702.0010 / 10N25	712.6064 / 10N25HD
Ø 4.0 mm	-	712.6065 / 54N20HD
Ø 4.8 mm	-	712.6066 / 18C36



### Insulating ring (5 pcs.)

#### Insulating ring

712.6043 / 18NG



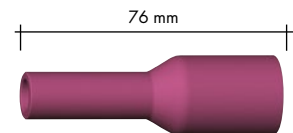
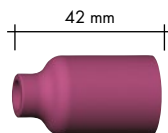
### Collet body (10 pcs.)

#### Standard version

#### Standard version with gas lens

#### HL version<sup>1</sup>

Ø 0.5 mm	-	712.6099 / 18GL02	-
Ø 1.0 mm	-	712.6100 / 18GL04	-
Ø 1.6 mm	-	712.6101 / 18GL16	-
Ø 2.4 mm	-	712.6102 / 18GL32	-
Ø 3.2 mm	-	712.6103 / 18GL18	-
Ø 4.0 mm	-	712.6104 / 18GL53	-
Ø 4.8 mm	-	712.6105 / 18GL36	-
Ø 0.5–3.2 mm	712.6074 / NCB-53	-	-
Ø 3.2–4.8 mm	-	-	712.6076 / NCB-36



### Gas nozzle, ceramic

(10 pcs.)

#### Standard version

#### Standard version

No. 4 Ø 6.5 mm	701.0420 / 54N18	-
No. 5 Ø 8.0 mm	701.0421 / 54N17	701.0427 / 54N17L
No. 6 Ø 9.5 mm	701.0422 / 54N16	701.0428 / 54N16L
No. 7 Ø 11.0 mm	701.0423 / 54N15	701.0429 / 54N15L
No. 8 Ø 12.5 mm	701.0424 / 54N14	-
No. 12 Ø 19.5 mm	701.0426 / 54N19	-

<sup>1</sup> Please note: HL = Heavy duty version

# TIG Welding Torches "ABITIG®" with rotary valve

## air cooled



- Rotary valve for regulating gas mounted directly on the torch body
- Light and flexible cable assemblies for all common TIG welding power sources
- Consumables compatible to the international standard

### ABITIG® 9 V / FV<sup>1</sup>

#### Technical data (EN 60 974-7):

Type of cooling: air cooled  
 Rating: 110 A DC  
 80 A AC  
 Duty cycle: 35%  
 Tungsten electrodes: Ø 0.5-1.6 mm

### ABITIG® 17 V / FV<sup>1</sup>

#### Technical data (EN 60 974-7):

Type of cooling: air cooled  
 Rating: 140 A DC  
 100 A AC  
 Duty cycle: 35%  
 Tungsten electrodes: Ø 0.5-2.4 mm

### ABITIG® 26 V / FV<sup>1</sup>

#### Technical data (EN 60 974-7):

Type of cooling: air cooled  
 Rating: 180 A DC  
 130 A AC  
 Duty cycle: 35%  
 Tungsten electrodes: Ø 0.5-4.0 mm

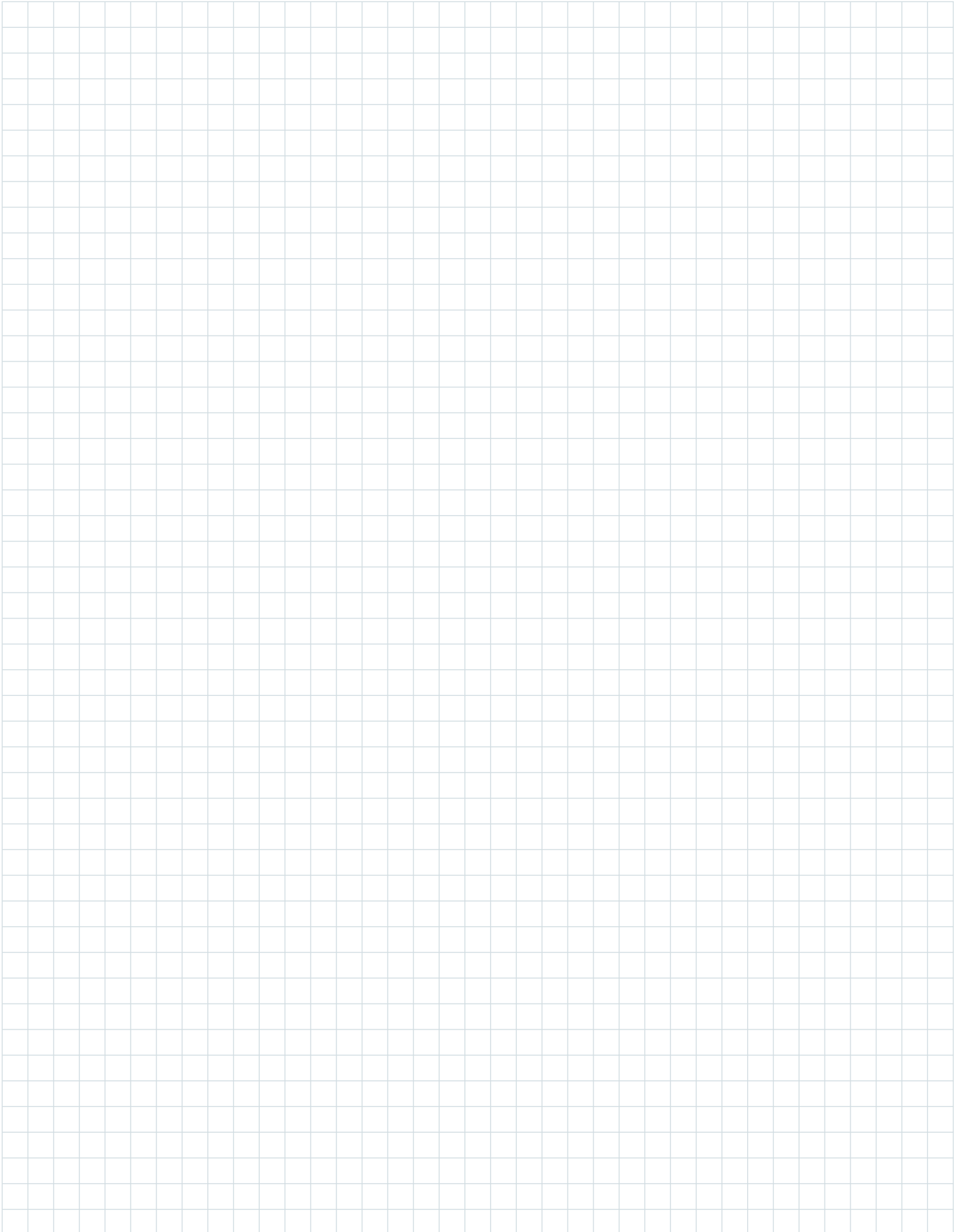
<sup>1</sup> FV = Torch body (with rotary valve)  
 Flexible

Torch complete Type	Version <sup>2</sup>	Part-No.		Torch body	
		4 m	8 m	Type	Part-No.
ABITIG® 9 V	Rotary valve / Plug 10-25	706.5057	706.5058	Standard; 60.0 mm	705.0007
ABITIG® 9 FV	Rotary valve / Plug 10-25	on demand	on demand	Flexible; 78.0 mm	703.0311.1
ABITIG® 17 V	Rotary valve / Plug 10-25	706.1057	706.1058	Standard; 65.0 mm	705.0038
ABITIG® 17 V	Rotary valve / Plug 35-50	706.1037	706.1038	Standard; 65.0 mm	705.0038
ABITIG® 17 FV	Rotary valve / Plug 10-25	706.1157	706.1158	Flexible; 80.0 mm	703.0010
ABITIG® 17 FV	Rotary valve / Plug 35-50	706.1137	706.1138	Flexible; 80.0 mm	703.0010
ABITIG® 26 V	Rotary valve / Plug 35-50	706.4037	706.4038	Standard; 80.0 mm	705.0091
ABITIG® 26 FV	Rotary valve / Plug 35-50	706.4137	706.4138	Flexible; 80.0 mm	703.0290

<sup>2</sup> Power cable / gas hose separate, gas hose with G1/4" union nut. Other versions available on request.

Wear parts - back cap, collet, collet body, adaptor, insulating ring and gas nozzle - are identical with those of the same type for ABITIG® torches.

# Notes



# TIG Welding Torch "ABITIG® GRIP Little"

## air and liquid cooled

After having been welcomed by TIG welders all over the world for many years, the ABITIG® GRIP Little product range provides perfect access and optimum handling and now has been extended by adding the ABITIG® GRIP Little 90 as well as the ABITIG® GRIP Little 180 W torches.

The new ABITIG® GRIP Little 90 and 180 W torches with their small, ergonomic handle are the ideal solution in cases of particularly restricted access or demanding quality requirements. Nobody has to do without the well-known benefits of this torch series:

- Ergonomic "GRIP" handles for a reliable grip and a perfect feel
- Modular switching and control functions in the handle – personalised and user-friendly
- Excellent HF security
- Lightweight and flexible cable-hose assemblies with modular connectors to most standard TIG welding equipment at the machine end
- Optimised service life due to a significantly larger current and process temperature transfer area
- Reduced stocking requirements – just three spare parts



**ABITIG® GRIP handle system – see page 44–45**

### ABITIG® GRIP Little 90

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Rating:	90 A DC 60 A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 1.0–1.6 mm

### ABITIG® GRIP Little 180 W

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	180 A DC 130 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.0–3.2 mm

<sup>1</sup>Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.

#### Torch complete

Type	Cooling	Part-No.	Version	Torch body Part-No.
ABITIG® GRIP Little 90	air cooled	see comment <sup>2</sup>	Standard; 60.0 mm	770.0040.1
ABITIG® GRIP Little 180 W	liquid cooled	see comment <sup>2</sup>	Standard; 60.0 mm	772.0040.1

<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

# ABITIG® GRIP Little 90, ABITIG® GRIP Little 180 W

## Wear parts



**Back cap** (10 pcs.)

**Short**

**Standard**

771.0053

771.0051



**Spring** (10 pcs.)

771.0037



**Electrode holder/  
Gas diffuser** (5 pcs.)

**Electrode holder**

**Gas diffuser**

**Gas diffuser  
cylindrical**

Ø 1.0 mm

771.0061

771.0111

-

Ø 1.6 mm

771.0062

771.0112

-

Ø 2.0 mm

771.0067

771.0117

-

Ø 2.4 mm

771.0063

771.0113

771.0123

Ø 3.2 mm

771.0064

771.0114

771.0124



**Gas nozzle, ceramic**

**Standard**

**Standard**

(10 pcs.)

Ø 6.0 mm (No. 1)

771.0081

-

Ø 8.0 mm (No. 2)

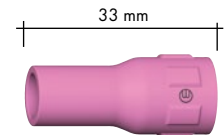
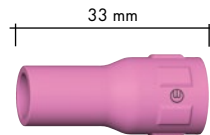
771.0082

-

Ø 10.5 mm (No. 3)

771.0083

771.0083



**Gas nozzle, ceramic**

**Long**

**Long**

(10 pcs.)

Ø 6.0 mm (No. 1)

771.2171

-

Ø 8.0 mm (No. 2)

771.2172

-

Ø 10.5 mm (No. 3)

771.2173

771.2173

# TIG Welding Torches "ABITIG® GRIP"

## air and liquid cooled

The ABITIG® GRIP line "ABICOR BINZEL-Style", air and liquid cooled, offer leading edge performance in a comfortable and light weight package. The cooling system guarantees long service life and enables the use of smaller tungsten electrodes through optimised heat dissipation.

The reduction in the quantity of consumables to only three components (back cap, electrode holder / gas diffuser and threaded gas nozzle) simplifies use and helps reduce stocking costs.

The innovative torch design prevents the heat from the gas nozzle reaching the torch body. This protects the torch, increases service life and further reduces operating costs.

The intelligent ABITIG® GRIP handle offers increased comfort due to the integration of numerous switching and control functions. Furthermore it is well protected against high frequency (HF) flashover.

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for most available TIG welding power sources
- Reduced storage costs with only three consumable parts



### ABITIG® GRIP 150 / ABITIG® GRIP 150 F

#### Technical data (EN 60 974-7) (with gas nozzle 36 mm):

Type of cooling:	air cooled
Rating:	150 A DC 105 A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 1.0-2.4 mm

### ABITIG® GRIP 260 W / ABITIG® GRIP 260 W SC

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	260 A DC / 340 A DC 185 A AC / 240 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.0-3.2 mm

<sup>1</sup> Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.

#### Torch complete

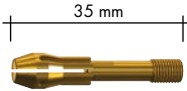
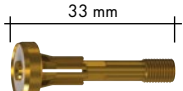
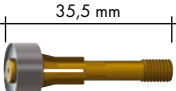
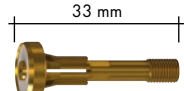
Type	Cooling	Part-No.	Torch body Version	Part-No.
ABITIG® GRIP 150	air cooled	see comment <sup>2</sup>	Standard; 60.0 mm	776.0010
ABITIG® GRIP 150 F	air cooled	see comment <sup>2</sup>	Flexible; 60.0 mm	776.0130
ABITIG® GRIP 260 W / SC	liquid cooled	see comment <sup>2</sup>	Standard; 60.0 mm	777.0010


<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).



# ABITIG® GRIP 150, ABITIG® GRIP 260 W, ABITIG® GRIP 260 W SC


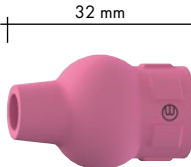
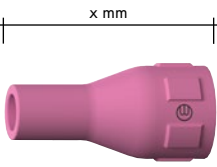
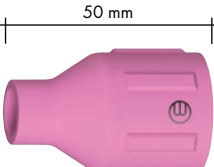
## Wear parts

			
<b>Back cap (10 pcs.)</b>	<b>Short</b>	<b>Medium</b>	<b>Long</b>
	776.0053	771.0051	772.0051.10

				
<b>Electrode holder / Gas diffuser (5 pcs.)</b>	<b>Electrode holder</b>	<b>Gas diffuser</b>	<b>Gas diffuser</b>	<b>Gas diffuser</b>
Ø 1.0 mm	776.0061	776.0171	777.0171.5	776.0171
Ø 1.6 mm	776.0062	776.0172	777.0172.5	776.0172
Ø 2.0 mm	776.0067	776.0177	777.0177.5	776.0177
Ø 2.4 mm	776.0063	776.0173	777.0173.5	776.0173
Ø 3.2 mm	776.0064	776.0174	777.0174.5	776.0174

		
	<b>Standard version</b>	<b>for gas diffuser</b>
	(10 pcs.)	(1 pc.)
Insulator	776.1043	776.0443
Adaptor ring	-	776.0441

		
<b>Gas diffuser 4 (1 pc.)</b>	<b>Standard</b>	<b>Multilayer</b>
Ø 1.6 mm	775.0122	775.0127.1
Ø 2.4 mm	775.0123	775.0128.1
Ø 3.2 mm	775.0124	775.0129.1

				
<b>Gas nozzle, ceramic (10 pcs.)</b>	<b>Standard version</b>	<b>Ball version</b>	<b>Standard version</b>	<b>For gas diffuser</b>
			x = 36 mm x = 60 mm	
Ø 6.5 mm	777.0081	770.0081.10	777.2171 777.2175	-
Ø 8.0 mm	777.0082	770.0082.10	777.2172 777.2176	-
Ø 9.5 mm	777.0083	770.0083.10	777.2173 -	-
Ø 11.0 mm	777.0084	770.0084.10	777.2174 -	-
Ø 12.5 mm	-	-	- -	778.1183
Ø 16.0 mm	-	-	- -	778.1184
Ø 19.5 mm	-	-	- -	778.1188
Ø 24.3 mm	-	-	- -	778.1189 <sup>3</sup>

<sup>3</sup> Without figure: cylindrical form, length 34.0 mm; not suitable for high frequency.

# TIG Welding Torches "ABITIG® GRIP"

## air and liquid cooled



- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for most available TIG welding power sources
- Reduced storage costs with only three consumable parts

### ABITIG® GRIP 200 / ABITIG® GRIP 200 F

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Rating:	200 A DC 140 A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 1.6–3.2 mm

### ABITIG® GRIP 450 W

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	420 A DC / 400 A DC 300 A AC / 280 A AC
Duty cycle:	60% / 100%
Tungsten electrodes:	Ø 1.6–4.8 mm

### ABITIG® GRIP 450 W SC

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	480 A DC / 450 A DC 340 A AC / 320 A AC
Duty cycle:	60% / 100%
Tungsten electrodes:	Ø 1.6–4.8 mm

<sup>1</sup> Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.

#### Torch complete

Type	Cooling	Part-No.	Torch body Version	Part-No.
ABITIG® GRIP 200	air cooled	see comment <sup>2</sup>	Standard; 80.0 mm	774.0010
ABITIG® GRIP 200 F	air cooled	see comment <sup>2</sup>	Flexible; 80.0 mm	774.0130
ABITIG® GRIP 200 K	air cooled	see comment <sup>2</sup>	Short; 60.0 mm	774.0230
ABITIG® GRIP 450 W	liquid cooled	see comment <sup>2</sup>	Standard; 80.0 mm	775.0010
ABITIG® GRIP 450 WK	liquid cooled	see comment <sup>2</sup>	Short; 60.0 mm	775.0230

The torch bodies (standard and short) for ABITIG® 450 W SC are identical with those for ABITIG® 450 W. The complete torches differ only in terms of the layout of the cable assembly.

<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

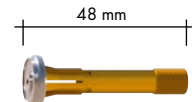
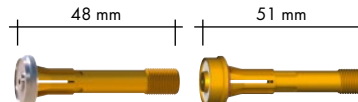
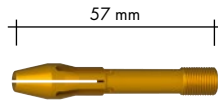


# ABITIG® GRIP 200, ABITIG® GRIP 450 W, ABITIG® GRIP 450 W SC

## Wear parts



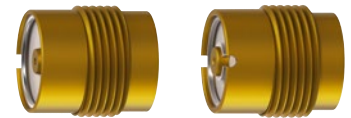
<b>Back cap</b>	<b>Short</b> (10 pcs.) 773.0053	<b>Medium</b> (1 pc.) 773.0055.1	<b>Long</b> (10 pcs.) 773.0051
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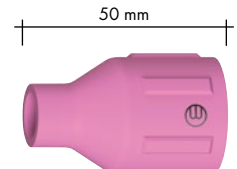
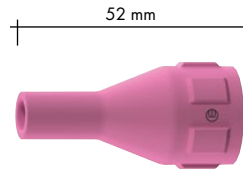
<b>Electrode holder / Gas diffuser</b> (5 pcs.)	<b>Electrode holder</b>	<b>Gas diffuser</b>	<b>Gas diffuser</b>	<b>Gas diffuser</b>
Ø 1.6 mm	775.0062	773.0172	773.0112.5	773.0172
Ø 2.0 mm	775.0067	773.0177	-	773.0177
Ø 2.4 mm	775.0063	773.0173	773.0113	773.0173
Ø 3.2 mm	775.0064	773.0174	773.0114	773.0174
Ø 4.0 mm	775.0065	773.0175	-	773.0175
Ø 4.8 mm	775.0066	773.0176	-	773.0176



<b>Insulator</b>	<b>Standard version</b> (10 pcs.) 775.1043	<b>For gas diffuser</b> (1 pc.) 775.1143
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<b>Gas diffuser 4</b> (1 pc.)	<b>Standard</b>	<b>Multilayer</b>
Ø 1.6 mm	775.0122	775.0127.1
Ø 2.4 mm	775.0123	775.0128.1
Ø 3.2 mm	775.0124	775.0129.1
Ø 4.0 mm	775.0125	775.0130.1
Ø 4.8 mm	775.0126	-



<b>Gas nozzle, ceramic</b> (10 pcs.)	<b>Standard version</b>		<b>Standard version</b>	<b>For gas diffuser</b>
	x = 26 mm	x = 37 mm		
Ø 7.5 mm	-	775.0081	775.2171	-
Ø 10.0 mm	775.0152 <sup>3</sup>	775.0082	775.2172	-
Ø 12.5 mm	-	-	-	778.1183
Ø 13.0 mm	775.0153 <sup>3</sup>	775.0083	775.2173	-
Ø 13.0 mm (boosted)	-	775.0183	-	-
Ø 15.0 mm	-	775.0084	775.2174	-
Ø 15.0 mm (boosted)	-	775.0184	-	-
Ø 16.0 mm	-	-	-	778.1184
Ø 19.5 mm	-	-	-	778.1188
Ø 24.3 mm	-	-	-	778.1189 <sup>4</sup>

<sup>3</sup> Only in combination with gas diffuser 48 mm (773.0172-773.0177).

<sup>4</sup> Without figure: cylindrical form, length 34.0 mm; not suitable for high frequency.

# TIG Welding Torch "ABITIG® GRIP" liquid cooled

In the upper performance level ABITIG® GRIP 500 W is the ideal solution and exceeds the product portfolio of the ABITIG® GRIP torch series in an optimal way. High performance welding for all thick sheet TIG welding applications.

This powerful torch offers all known advantages of the ABITIG® GRIP torch series:

- Best arc characteristics and reliable gas coverage up to 500 A
- Ergonomic "GRIP" handles for a reliable grip and a perfect feel

- Modular switching and control functions in the handle – personalised and user-friendly
- Short ball joint provides maximum mobility, flexibility and ideal handling
- Excellent HF security
- Lightweight and flexible cable-hose assemblies with modular connectors to all standard TIG welding equipment at the machine end
- Optimised service life due to a significantly larger current and process temperature transfer area
- Reduced stocking requirements – just three spare parts



## ABITIG® GRIP 500 W

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	500 A DC 350 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6–6.4 mm

<sup>1</sup>Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.

#### Torch complete

Type	Cooling	Part-No.	Version	Torch body	Part-No.
ABITIG® GRIP 500 W	liquid cooled	see comment <sup>2</sup>	Standard; 79.0 mm		775.0041.1

<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

# ABITIG® GRIP 500 W

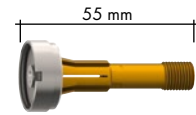
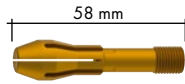
## Wear parts



<b>Back cap</b> (1 pc.)	<b>Short</b> 775.0053.1	<b>Standard</b> 775.0051.1
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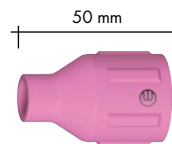
<b>Insulator</b> (1 pc.)	<b>Insulator</b> 775.0058.1
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<b>Electrode holder/ Gas diffuser</b> (1 pc.)	<b>Electrode holder</b>	<b>Gas diffuser</b>
Ø 1.6 mm	779.6044	779.6058
Ø 2.0 mm	779.6049	779.6063
Ø 2.4 mm	779.6045	779.6059
Ø 3.2 mm	779.6046	779.6060
Ø 4.0 mm	779.6047	779.6061
Ø 4.8 mm	779.6048	779.6062
Ø 6.4 mm	779.6050	779.6064



<b>Gas nozzle, ceramic</b> (10 pcs.)		<b>Short<sup>3</sup></b>
Ø 24.0 mm	-	778.1189



<b>Gas nozzle, ceramic</b> (10 pcs.)	<b>Standard</b>
Ø 12.5 mm	778.1183
Ø 16.0 mm	778.1184
Ø 19.5 mm	778.1188

<sup>3</sup> Not suitable for high frequency.

# TIG Welding Torches "ABITIG® GRIP Little"

## air and liquid cooled

The welding torch line ABITIG® GRIP Little – particularly suited to those everyday, less accessible welding jobs. Maximum flexibility with no compromises.

The torches of various ratings, both air and liquid cooled, are combined with a standardized ergonomic handle with "GRIP" and optimised cable

assembly management, into which standard switching and control functions can be integrated.

In addition the flexible cable assemblies are available with modular and robust machine-side connections.



### Technical data (EN 60 974-7):

#### TIG Welding Torches "ABITIG® GRIP Little" (air cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrodes (Ø in mm)
	DC	AC		
ABITIG® GRIP Little 9 / 9 F	110	80	35	0.5-1.6
ABITIG® GRIP Little 17 / 17 F	140	100	35	0.5-2.4
ABITIG® GRIP Little 24 G	110	80	35	0.5-1.6
ABITIG® GRIP Little 90	90	60	35	1.0-1.6
ABITIG® GRIP Little 150 / 150 F	140	100	35	1.0-2.4

#### TIG Welding Torches "ABITIG® GRIP Little" (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrodes (Ø in mm)
	DC	AC		
ABITIG® GRIP Little 20 / 20 F	220	150	100	0.5-3.2
ABITIG® GRIP Little 24 W	140	100	100	0.5-2.4
ABITIG® GRIP Little 180 W	180	130	100	1.0-3.2
ABITIG® GRIP Little 260 W	240	170	100	1.0-3.2

Subject to change without notice.

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle
- Excellent protection against high frequency flashover

- Light and flexible cable assemblies (High-Flex-Leather) with modular machine-side connections for most available TIG welding power sources
- Consumables (Types 9 / 17 / 20 / 24) compatible to the international standard
- Air cooled up to 140 A – at 35% duty cycle
- Liquid cooled up to 240 A – at 100% duty cycle

**ABITIG® GRIP Little handle system – even smaller, even lighter (see page 44–45)**



- 1 ABITIG® 9 / 9 F
- 2 ABITIG® 17 / 17 F
- 3 ABITIG® 20 / 20 F
- 4 ABITIG® 24 G
- 5 ABITIG® 24 W
- 6 ABITIG® 90
- 7 ABITIG® 150 / 150 F
- 8 ABITIG® 180 W
- 9 ABITIG® 260 W

### Torch complete

Type	Handle	Part-No.	Torch body
ABITIG® 9 <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 46.0 mm 705.0001
ABITIG® 9 F <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Flexible; 46.0 mm 703.0001
ABITIG® 17 <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 65.0 mm 705.0033
ABITIG® 17 F <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Flexible; 62.0 mm 703.0009
ABITIG® 20 <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 46.0 mm 705.0058
ABITIG® 20 F <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Flexible; 46.0 mm 703.0302
ABITIG® 20 F <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Flexible; 75.0 mm 703.0305
ABITIG® 20 F <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Flexible 110.0 mm 703.0306
ABITIG® 24 G <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 55.0 mm 705.0075
ABITIG® 24 W <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 55.0 mm 705.0080
ABITIG® 90 <sup>2</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 60.0 mm 770.0040.1
ABITIG® 150 <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 46.0 mm 770.0010.1
ABITIG® 150 F <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Flexible; 46.0 mm 770.0130.1
ABITIG® 180 W <sup>2</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 60.0 mm 772.0040.1
ABITIG® 260 W <sup>1</sup>	ABITIG® GRIP Little	see comment <sup>3</sup>	Standard; 46.0 mm 772.0010.1

<sup>1</sup> Wear parts see "ABITIG® GRIP" torches of similar design (Page 4–13 and 18–21).

<sup>2</sup> Wear parts see page 16 and 17.

<sup>3</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

# TIG Machine Torches "ABITIG® MT"

## air and liquid cooled

The compact designed machine torches of the ABITIG®-MT series represent an effective solution for welding operations with simple geometries.

With a wide range of current options, the torches are available in both air and liquid cooled options, with side mounted cable assemblies.

- Compact in design
- Rugged cable assemblies suitable for all established welding machines
- Ideally suited for welding operations with simple geometries



ABITIG® 150 MT

ABITIG® 260 W MT

### ABITIG® 150 MT

#### Technical data (EN 60 974-7):

Type of cooling: air cooled  
 Rating: 150 A DC  
 110 A AC  
 Duty cycle: 60%  
 Tungsten electrodes: Ø 1.0-3.2 mm

### ABITIG® 260 W MT

#### Technical data (EN 60 974-7):

Type of cooling: liquid cooled  
 Rating: 260 A DC  
 180 A AC  
 Duty cycle: 100%  
 Tungsten electrodes: Ø 1.0-3.2 mm

Torch complete			Torch body	
Type	Cooling	Part-No.	Type	Part-No.
ABITIG® 150 MT	air cooled	see comment <sup>1</sup>	Standard; 214.0 mm	778.1020
ABITIG® 260 W MT	liquid cooled	see comment <sup>1</sup>	Standard; 214.0 mm	779.1020

<sup>1</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. For the order of complete torches please indicate the cable assembly length and the machine side connection.

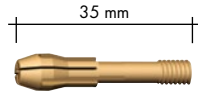
# ABITIG® 150 MT, ABITIG® 260 W MT

## Wear parts

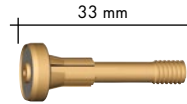


**Guide tube** (1 pc.)

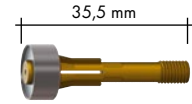
779.1030



**Electrode holder**



**Gas diffuser**



**Gas diffuser**

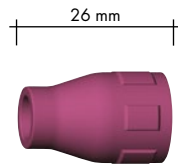
**Electrode holder / Gas diffuser** (5 pcs.)

Ø 1.0 mm	776.0061	776.0171	777.0171.5
Ø 1.6 mm	776.0062	776.0172	777.0172.5
Ø 2.0 mm	776.0067	776.0177	777.0177.5
Ø 2.4 mm	776.0063	776.0173	777.0173.5
Ø 3.2 mm	776.0064	776.0174	777.0174.5

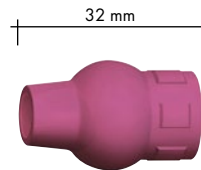


**Insulator** (1 pc.)

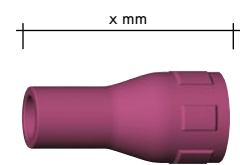
779.1043



**Standard version**



**Ball version**



**Long version**

**Gas nozzle, ceramic**

			x = 36 mm	x = 60 mm
(10 pcs.)				
Ø 6.5 mm	777.0081	770.0081.10	777.2171	777.2175
Ø 8.0 mm	777.0082	770.0082.10	777.2172	777.2176
Ø 9.5 mm	777.0083	770.0083.10	777.2173	-
Ø 11.0 mm	777.0084	770.0084.10	777.2174	-

# TIG Machine Torches "ABITIG® MT"

## air and liquid cooled



ABITIG® 200 MT

ABITIG® 300 W MT

- Compact in design
- Rugged cable assemblies suitable for all established welding machines
- ABITIG® 200 MT / 300 W MT with adjustable tungsten electrode
- Ideally suited for welding operations with simple geometries

### ABITIG® 200 MT

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Rating:	200 A DC 140 A AC
Duty cycle:	60%
Tungsten electrodes:	Ø 1.6–4.0 mm

### ABITIG® 300 W MT

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Rating:	300 A DC 210 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6–4.8 mm

Torch complete			Torch body	
Type	Cooling	Part-No.	Type	Part-No.
ABITIG® 200 MT	air cooled	see comment <sup>1</sup>	Standard; 249.0 mm	778.2020
ABITIG® 300 W MT	liquid cooled	see comment <sup>1</sup>	Standard; 249.0 mm	779.2020

<sup>1</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. For the order of complete torches please indicate the cable assembly length and the machine side connection.



# ABITIG® 200 MT, ABITIG® 300 W MT

## Wear parts



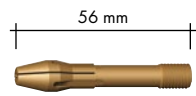
**Guide tub** (1 pc.)

778.1030

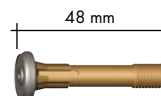
**Collet** (1 pc.)



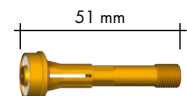
778.1140



**Electrode holder**



**Gas diffuser**



**Gas diffuser**

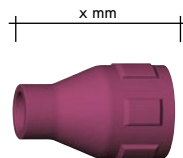
**Electrode holder / Gas diffuser** (5 pcs.)

Ø 1.6 mm	775.0062	773.0172	773.0112.5
Ø 2.0 mm	775.0067	773.0177	-
Ø 2.4 mm	775.0063	773.0173	773.0113
Ø 3.2 mm	775.0064	773.0174	773.0114
Ø 4.0 mm	775.0065	773.0175	-
Ø 4.8 mm	775.0066	773.0176	-

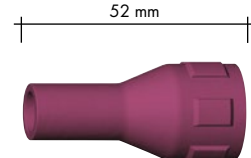


**Insulator** (1 pc.)

775.1043



**Standard version**



**Long version**

**Gas nozzle, ceramic**

	Standard version		Long version
(10 pcs.)	x = 26 mm	x = 37 mm	
Ø 7.5 mm	-	775.0081	775.2171
Ø 10.0 mm	775.0152	775.0082	775.2172
Ø 12.5 mm	-	-	-
Ø 13.0 mm	775.0153	775.0083	775.2173
Ø 13.0 mm (boosted)	-	775.0183	-
Ø 15.0 mm	-	775.0084	775.2174
Ø 15.0 mm (boosted)	-	775.0184	-
Ø 16.0 mm	-	-	-
Ø 19.5 mm	-	-	-

Further options, e. g. the "Jumbo" version up to NS 24 or metal gas nozzles, please see chapter 10 of our spare parts list - this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).



**Setting gauge** (1 pc.)

778.1157

# TIG Machine Torches "ABITIG® MT"

## air and liquid cooled



- Compact in design
- Rugged cable assemblies suitable for all established welding machines
- Ideally suited for welding operations with simple geometries

### ABITIG® 400 W MT

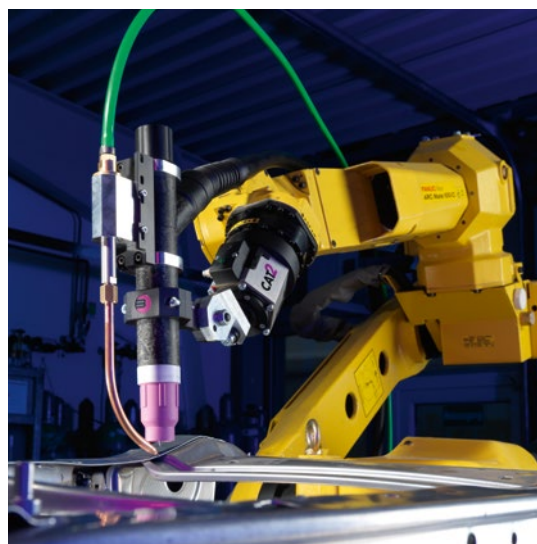
#### Technical data (EN 60 974-7):

Type of cooling: liquid cooled  
 Rating: 400 A DC  
 280 A AC  
 Duty cycle: 100%  
 Tungsten electrodes: Ø 1.6–4.8 mm

### ABITIG® 500 W MT

#### Technical data (EN 60 974-7):

Type of cooling: liquid cooled  
 Rating: 500 A DC  
 350 A AC  
 Duty cycle: 100%  
 Tungsten electrodes: Ø 1.6–6.4 mm



ABITIG® 500 W MT with cold wire feeding (see page 38).

Torch complete			Torch body	
Type	Cooling	Part-No.	Type	Part-No.
ABITIG® 400 W MT	liquid cooled	see comment <sup>1</sup>	Standard; 228.0 mm	779.4020
ABITIG® 500 W MT	liquid cooled	see comment <sup>1</sup>	Standard; 265.0 mm	779.6020

<sup>1</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. For the order of complete torches please indicate the cable assembly length and the machine side connection.

# ABITIG® 400 W MT, ABITIG® 500 W MT

## Wear parts

### ABITIG® 400 W MT

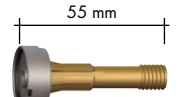
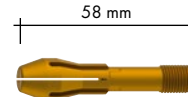
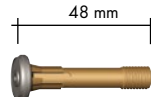
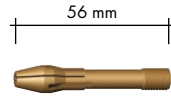
### ABITIG® 500 W MT

#### Guide tube (1 pc.)



779.4030

779.6026



#### Electrode holder / Gas diffuser

#### Electrode holder (5 pcs.)

#### Gas diffuser (5 pcs.)

#### Electrode holder (1 pc.)

#### Gas diffuser (1 pc.)

Ø 1.6 mm	775.0062	773.0172
Ø 2.0 mm	775.0067	773.0177
Ø 2.4 mm	775.0063	773.0173
Ø 3.2 mm	775.0064	773.0174
Ø 4.0 mm	775.0065	773.0175
Ø 4.8 mm	775.0066	773.0176
Ø 6.4 mm	-	-

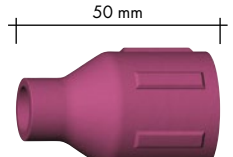
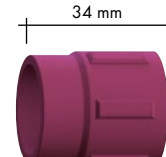
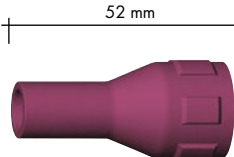
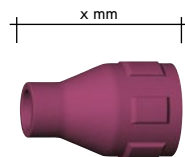
779.6044	779.6058
779.6049	779.6063
779.6045	779.6059
779.6046	779.6060
779.6047	779.6061
779.6048	779.6062
779.6050	779.6064

#### Insulator (1 pc.)



779.4043

779.6033



#### Gas nozzle, ceramic (10 pcs.)

#### Standard version (x = 26 mm x = 37 mm)

#### Long version

#### Standard version

#### Long version

Ø 7.5 mm	-	775.0081	775.2171
Ø 10.0 mm	775.0152	775.0082	775.2172
Ø 12.5 mm	-	-	-
Ø 13.0 mm	775.0153	775.0083	775.2173
Ø 13.0 mm (boosted)	-	775.0183	-
Ø 15.0 mm	-	775.0084	775.2174
Ø 15.0 mm (boosted)	-	775.0184	-
Ø 16.0 mm	-	-	-
Ø 19.5 mm	-	-	-
Ø 24.0 mm	-	-	-

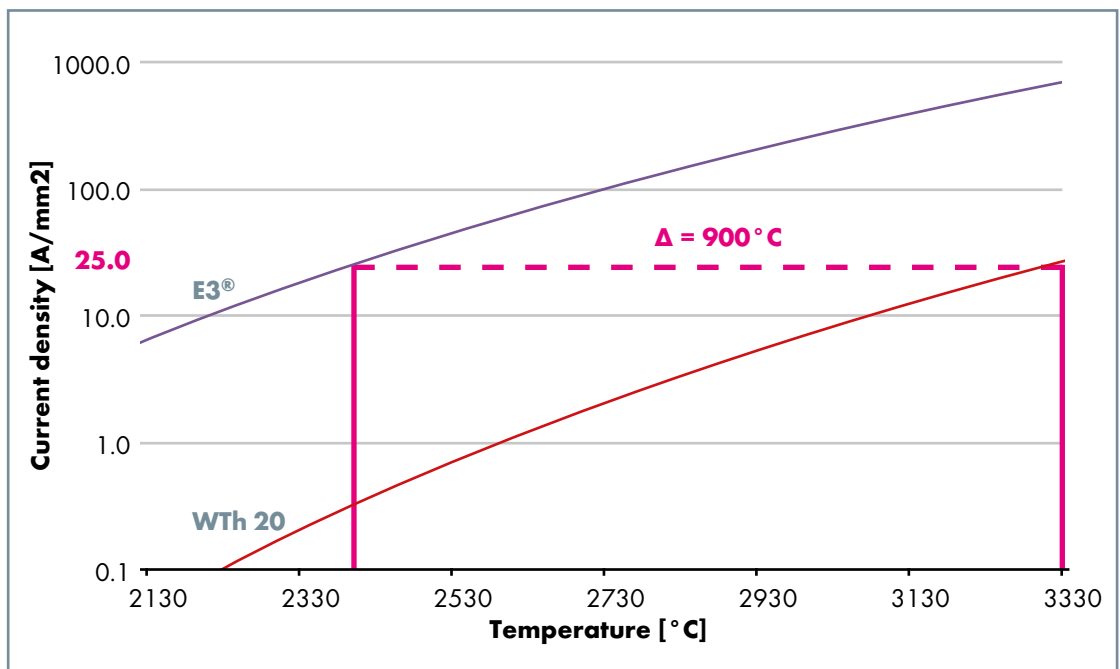
-	-
-	-
-	778.1183
-	-
-	-
-	-
-	-
-	778.1184
-	778.1188
778.1189	-

Further options please see chapter 10 of our spare parts list - this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

# Tungsten electrodes

- The welder is no longer exposed to radiation
- Reduced environmental impact. Remaining pieces and grinding dust are no longer treated as hazardous
- No special safeguards required for storage and transport
- Electrode tip remains "cooler" than thoriated types
- Superior repeatable ignition characteristics
- Increased arc stability
- Reduced burn off
- Higher current carrying capacity
- Lower degradation to the electrode tip
- Increased application flexibility

## Higher electrical rating



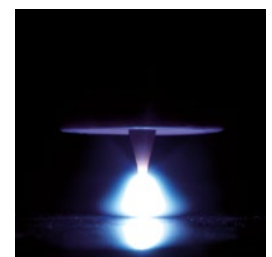
At the same current density E3® electrodes operate at approx. 900°C less than the WTh electrodes and therefore have a higher current carrying capacity.

## Durability by comparison

The heat-affected zone of the electrode tip is visually reduced with E3® electrodes. Accordingly, the burn off of the E3® electrode tips is reduced and the durability increased.



E3®



WTh 20

The visual appearance of the E3® electrodes after 150 ignitions show less erosion than the WTh 20 electrodes after 150 ignitions. E3® electrodes provide improved ignitions even after a longer period of use.



E3®



WTh 20

**E3<sup>®2</sup>**

Electrodes with rare earth (mixed oxides). In comparison to thoriated electrodes this electrode is less harmful to the environment and not radioactive. The electrodes offer excellent ignition characteristics and consistent welding properties. They are universal and suitable for all applications in the whole range of DC and AC welding for non-alloyed and high-alloyed steel, aluminium, titanium, nickel, copper and magnesium alloys. Because of their great ignition properties they are also suitable for automated welding. Due to the low electrode temperature, they offer an increased current carrying capacity and longer service life than thoriated electrodes.

Colour-coding: **E3<sup>®</sup> = purple**

**WLa 10 / 15 / 20**

Lanthanated electrodes are suitable for applications in DC and AC welding. Their main areas of application are the welding of non-alloyed and high-alloyed steel, aluminium, titanium, nickel, copper and magnesium alloys. These electrodes are also suitable for the use in micro-plasma welding. Ignition characteristics are enhanced with increased amounts of lanthanum oxide (La<sub>2</sub>O<sub>3</sub>). The overall service life and current carrying capacity is lower than the E3<sup>®</sup> electrodes.

Colour-coding: **WLa 10 = black / WLa 15 = gold / WLa 20 = blue**

**WCe 20**

By adding cerium oxide (CeO<sub>2</sub>), these electrodes have an increased capacity compared to pure tungsten electrodes, however the WCe electrodes have a lower capacity than the E3<sup>®</sup> and WL electrodes. Main areas of application are in the DC and AC welding of non-alloyed and high-alloyed steel, aluminium, titanium, nickel, copper and magnesium alloys in the low and middle current range.

Colour-coding: **WCe 20 = grey**

**WP**

Undoped electrodes – consist of pure tungsten. The main area of application for this type of electrode is the AC welding of aluminium alloys with excellent arc stability. The WP-electrodes are not suitable for DC welding.

Colour-coding: **WP = green**

**WZr 08**

Tungsten electrodes with the addition of zirconium have a lower risk of contaminating the weld from deposits of tungsten. The main area of application for this electrode is AC welding. They are limited in their suitability for DC welding.

Colour-coding: **WZr 08 = white**

**Tungsten electrodes per DIN EN ISO 6848 (10 pcs.)**

<b>Length: 175 mm<sup>1</sup> Electrodes-Ø</b>	<b>E3<sup>®2</sup> purple</b>	<b>WLa 10 black</b>	<b>WLa 15 gold</b>	<b>WLa 20 blue</b>	<b>WCe 20 grey</b>	<b>WP green</b>	<b>WZr 08 white</b>
1.0 mm	700.0304.10	700.0157	700.1183	700.0219	700.0166	700.0003	700.0028
1.6 mm	700.0306.10	700.0158	700.1184	700.0220	700.0167	700.0007	700.0030
2.0 mm	700.0307.10	700.0159	700.1185	700.0221	700.0168	700.0009	700.0032
2.4 mm	700.0308.10	700.0160	700.1186	700.0222	700.0169	700.0012	700.0034
3.2 mm	700.0310.10	700.0162	700.1187	700.0223	700.0170	700.0016	700.0036
4.0 mm	700.0311.10	700.0163	700.0255	700.0242	700.0171	700.0018	700.0037

<sup>1</sup> Tungsten electrodes in 150 mm length on demand.

<sup>2</sup> According to DIN EN ISO 6848..



# Wire Feeder System "ABIDRIVE V2"

## ABIDRIVE V2 – precise wire feeding for professional welding seam results

The new wire feeding unit ABIDRIVE V2 of ABICOR BINZEL equipped with the special 4-roller drive offers a constantly precise wire feeding for manual and automated TIG welding. With the intuitive menu guidance, individual settings of wire feeding are simple. The detailed customization possibilities to each welding task lead to an optimal result.

Together with the air cooled manual TIG welding torches ABITIG® GRIP 200, the liquid cooled manual TIG torches ABITIG® GRIP 260 W / 450 W and the liquid cooled TIG machine welding torches ABITIG® 260 W / 400 W / 500 W MT, the wire feeding unit ABIDRIVE V2 forms the ideal system for welding long TIG seams in a time-saving, comfortable and process-safe manner.

The wire feeding system can be easily adapted to various TIG welding machines via customized intermediate cable assemblies.

## The advantages of the compact and robust ABIDRIVE V2 at a glance:

- Wire speed adjustable from 0.2 to 8.0 m/min
- Fine adjustment of wire speed in steps of 0.02 m/min
- 2 driven wire feeding rolls for minimal slippage and maximum feed constancy
- Individually customizable wire retraction
- Finely adjustable interval function to define the seam shaping and optics
- Optional remote controllers (potentiometer or up/down) – for automated TIG welding
- Commercial standard connections / quick couplings



## Technical data

### ABIDRIVE V2 (230 V)

#### Technical data (IEC 60974)

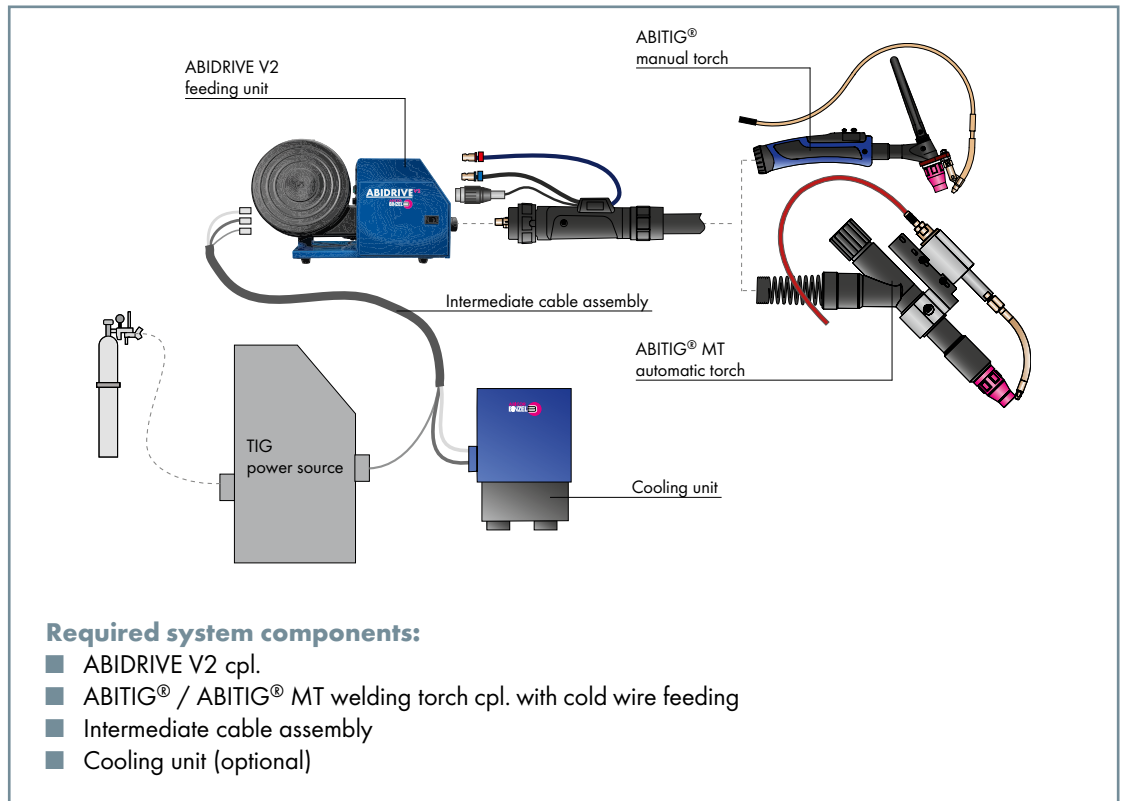
Inlet voltage:	230 V/50 Hz ± 10 %
Welding current:	300 A (100% duty cycle and direct connection)
Delay fuse:	2 AT
Wire speed:	0.2–8.0 m/min
Wire diameter:	0.8–1.6 mm
Protection class:	IP21s
Weight:	17 kg
Size in mm (L/W/H):	674x260x408

### ABIDRIVE V2 (115 V)

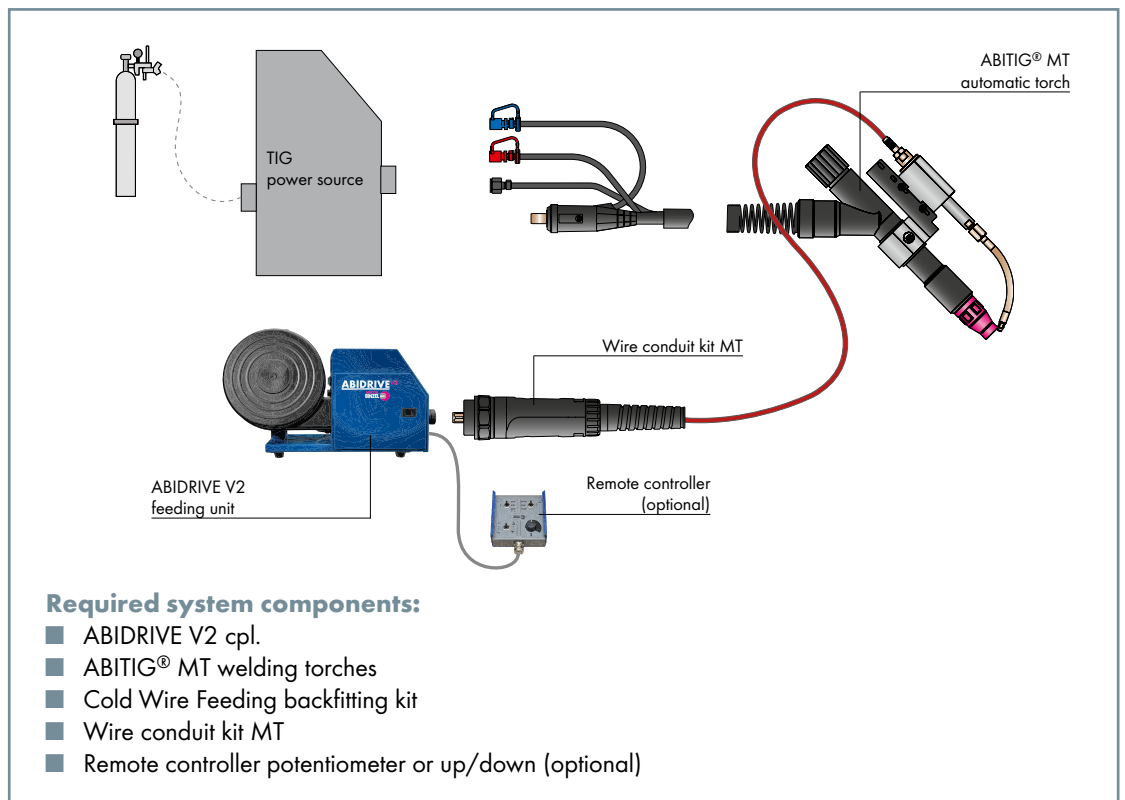
#### Technical data (IEC 60974)

Inlet voltage:	115 V/50 Hz ± 10 %
Welding current:	300 A (100% duty cycle and direct connection)
Delay fuse:	2 AT
Wire speed:	0.2–8.0 m/min
Wire diameter:	0.8–1.6 mm
Protection class:	IP21s
Weight:	17 kg
Size in mm (L/W/H):	674x260x408

**System overview  
direct connection  
ABIDRIVE V2**



**System overview  
direct connection  
power source**



# Wire Feeder System "ABIDRIVE V2"

ABIDRIVE V2 cpl.



## Wire Feeder System ABIDRIVE V2

Description	Details	Part-No.
Wire Feeder System ABIDRIVE V2	230 V	525.2002.1
Wire Feeder System ABIDRIVE V2	115 V	525.2003.1

## Drive rolls

### Drive rolls (1 pc.)

Description	Details	Part-No.
Wire feed roll 1.0 cpl.	4x U-groove driven	525.2053.1
Wire feed roll 1.2 cpl.	4x U-groove driven	525.2004.1
Wire feed roll 1.6 cpl.	4x U-groove driven	525.2005.1
Wire feed roll 0.8 cpl.	2x V-groove / 2x smooth	525.2008.1
Wire feed roll 1.0 cpl.	2x V-groove / 2x smooth	525.2009.1
Wire feed roll 1.2 cpl.	2x V-groove / 2x smooth	525.2010.1
Wire feed roll 1.6 cpl.	2x V-groove / 2x smooth	525.2011.1
Wire feed roll 0.8 cpl.	2x V-groove / 2x smooth driven	525.2012.1
Wire feed roll 1.0 cpl.	2x V-groove / 2x smooth driven	525.2013.1
Wire feed roll 1.2 cpl.	2x V-groove / 2x smooth driven	525.2014.1
Wire feed roll 1.6 cpl.	2x V-groove / 2x smooth driven	525.2015.1
Wire feed roll 0.8	2x V-groove w/o pressure roll	525.2049.1
Wire feed roll 1.0	2x V-groove w/o pressure roll	525.2050.1
Wire feed roll 1.2	2x V-groove w/o pressure roll	525.2051.1
Wire feed roll 1.6	2x V-groove w/o pressure roll	525.2052.1

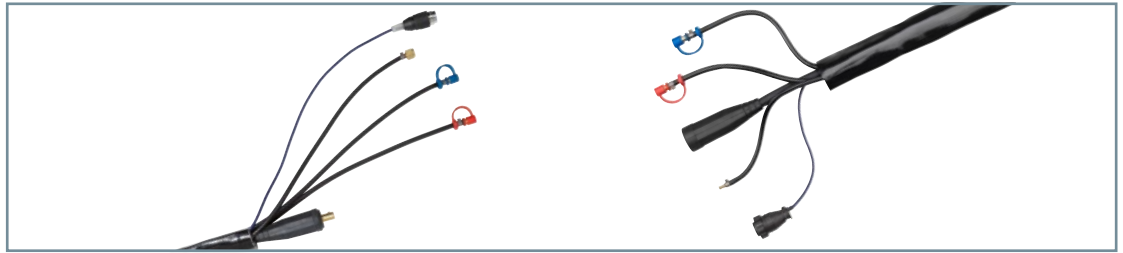
## Options / Spare parts

### Options / Spare parts

Description	Details	Part-No.
Remote control V2	Up/Down	525.2042.1
Remote control V2	Potentiometer	525.2043.1
Drive gear	Plastics	525.2044.1
Feed cpl.		525.2045.1
Wire cover cpl.		525.2046.1
Central connector cpl.		525.2047.1
Gear motor		525.2048.1



## Intermediate cable assembly



### TIG intermediate cable assembly (L=2.00 m), air cooled

Current	Control cable	Inert gas	Coolant		Details	Part-No.
			Inlet	Return		
BCS-11 BLS-46B BHC-00	Amphenol 7 pol.	G1/4" IG	-	-	Kemppi®	525.2022.1
BCS-06 BLS-15A BHC-00	Tuchel 9 pol.	G3/8" IG	-	-	Fronius®	525.2024.1
Plug 50-70 BLS-01B BHC-05	Tuchel 5 pol.	NW 2,7mm	-	-	Lorch®	525.2056.1

### TIG intermediate cable assembly (L=2.00 m), liquid cooled

Current	Control cable	Inert gas	Coolant		Details	Part-No.
			Inlet	Return		
Plug 50-70 BLS-37 BHC-11	Burndy 8 pol.	G1/4" IG	ND 5 mm	ND 5 mm	EWM®	525.2017.1
Plug 50-70 BLS-01A BHC-11	Tuchel 5 pol.	G1/4" IG	ND 5 mm	ND 5 mm	EWM®	525.2018.1
Plug 50-70 BLS-01B BHC-16	Tuchel 5 pol.	ND 2.7 mm	ND 5 mm	ND 5 mm	Lorch®	525.2019.1
Plug 50-70 BLS-03A BHC-16	Rundsteckverb. 7 pol.	ND 2.7 mm	ND 5 mm	ND 5 mm	Rehm®	525.2020.1
BCS-11 BLS-46B BHC-12	Amphenol 7 pol.	G1/4" IG	ND 5 mm	ND 5 mm	Kemppi®	525.2021.1
BCS-03 BLS-01A BHC-12	Tuchel 5 pol.	WZ-0	ND 5 mm	ND 5 mm	Merkle®	525.2023.1
Plug 50-70 BLS-01B BHC-11	Tuchel 5 pol.	G1/4" IG	ND 5 mm	ND 5 mm	Jäckle®/ Lorch®	525.2025.1
BCS-36 BLS-15A BHC-12	Tuchel 9 pol.	central Fronius-ZA	ND 5 mm	ND 5 mm	Fronius®	525.2026.1
BCS-06 BLS-10A BHC-15	Amphenol 4 pol.	G1/4" IG	G3/8" IG	G3/8" IG	Kemppi®	525.2027.1
Plug 50-70 BLS-09A BHC-21	Amphenol 2 pol.	G1/8" IG	ND 5 mm	ND 5 mm	ESAB®	525.2028.1
BCS-19 BLS-04A BHC-00	Tuchel 5 pol.	central Oerlikon-ZA	central	central	Oerlikon®	525.2029.1
BCS-25 BLS-04A BHC-12	Tuchel 5 pol.	central Oerlikon BSB	ND 5 mm	ND 5 mm	Oerlikon®	525.2030.1
BCS-07 BLS-99A BHC-12		ZA 9 pol.	ND 5 mm	ND 5 mm	Esab®/ Selco®	525.2031.1
Plug 50-70 BLS-01B BHC-30	Tuchel 5 pol.	G1/4" IG	G3/8" IG	M12x1	ESS®	525.2032.1
BCS-37 BLS-01A BHC-12	Tuchel 5 pol.	Merkle TCG	ND 5 mm	ND 5 mm	Merkle®	525.2033.1
Plug 50-70 BLS-01B BHC-26	Tuchel 5 pol.	G3/8" IG	ND 5 mm	ND 5 mm	Cloos®	525.2036.1
Plug 50-70 BLS-64B BHC-20	Amphenol 6 pol.	ND 5 mm	ND 5 mm	ND 5 mm	CEA®	525.2057.1

All trademarks mentioned in this brochure are property of the respective companies.

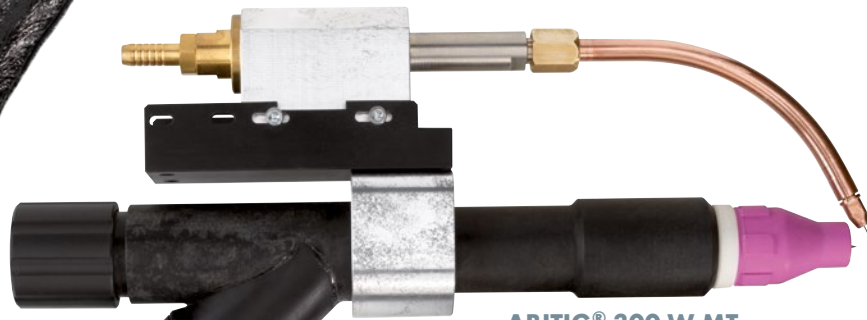
# TIG Welding Torches "ABITIG®" and "ABITIG® MT" with cold wire feed

- The ABITIG® Cold Wire Feeding can be perfectly adjusted to any application due to the three-dimensional positioning and the individually exchangeable feeding nozzles, adjusted to the wire electrode diameter.

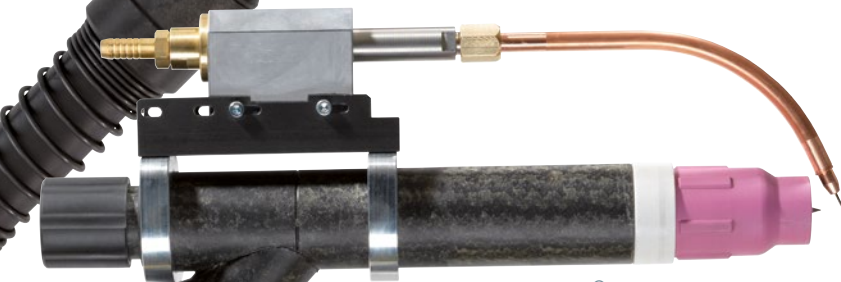
- Precise, easy three-dimensional positioning of the cold wire feeding
- Light dead weight provides a fatigue-free working
- Highly flexible wire feeding hose inside the cable assembly - no restrictions during handling
- Higher welding speeds compared to the manual feeding of welding material
- Exact welding wire feeding



ABITIG® GRIP 450 W



ABITIG® 300 W MT



ABITIG® 500 W MT

**The ABITIG® MT Cold Wire feeding**  
Rugged version for the automatic operation retro-fittable. ABITIG® MT 500 W optional with liquid cooled guide tube.

## ABITIG® 200 MT / ABITIG® GRIP 200

### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Rating:	200 A DC 140 A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 1.6-3.2 mm

## ABITIG® 260 W MT / ABITIG® GRIP 260 W

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Rating:	260 A DC 180 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.0-3.2 mm

## ABITIG® 300 W MT

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Rating:	300 A DC 210 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6-4.8 mm

## ABITIG® 400 W MT

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Rating:	400 A DC 280 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6-4.8 mm

## ABITIG® GRIP 450 W

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Rating:	400 A DC 280 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6-4.8 mm

## ABITIG® 500 W MT

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Rating:	500 A DC 350 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6-6.4 mm

# "ABITIG®" and "ABITIG® MT" with cold wire feed

## Torches cpl.

### TIG Manual Welding Torches ABITIG® with cold wire feed

Type		Part-No.
ABITIG® GRIP 200	4 m BIS-75, GZ-0, with cold-wire <sup>1</sup>	525.2035.1
ABITIG® GRIP 200	4 m BIS-V2, GZ-0, KD wire U/D <sup>1</sup>	525.2039.1
ABITIG® GRIP 260 W	4 m BIS-75, WZ-0 BHC-12, with cold wire <sup>1</sup>	525.2034.1
ABITIG® GRIP 260 W	4 m BIS-V2, WZ-0 BHC-12, KD wire U/D <sup>1</sup>	525.2040.1
ABITIG® GRIP 450 W	4 m BIS-75, WZ-0 BHC-12, with cold wire <sup>1</sup>	525.2001.1
ABITIG® GRIP 450 W	4 m BIS-V2, WZ-0 BHC-12, KD wire U/D <sup>1</sup>	525.2041.1

<sup>1</sup> incl. cold wire feeding tip 1.0 mm

### TIG Machine Welding Torches ABITIG® MT with cold wire feed

Type		Part-No.
ABITIG® 200 MT	4 m with cold wire feed <sup>2</sup>	525.1015
ABITIG® 260 W MT	4 m with cold wire feed <sup>2</sup>	525.1018
ABITIG® 300 W MT	4 m with cold wire feed <sup>2</sup>	525.1023
ABITIG® 400 W MT	4 m with cold wire feed <sup>2</sup>	525.1026
ABITIG® 500 W MT	4 m with cold wire feed <sup>2</sup>	525.1042.1

<sup>2</sup> incl. cold wire feeding tip 1.0 mm

## Wear parts

### Cold wire feeding tip

(5 pcs.)

	ABITIG®	ABITIG® MT
Ø 0.8 mm	729.0071	967.0329
Ø 1.0 mm	729.0072	967.0330
Ø 1.2 mm	729.0073	967.0331
Ø 1.6 mm	-	967.0332

### Cold wire feeding

ABITIG®	Cold wire guide liner 2.0x4.5 mm (L=0.45 m) Double nipple	729.0080 729.0057
ABITIG® MT	Cold wire feeding tube for ABITIG® MT 260 W / 300 W / 400 W Cold wire feeding tube for ABITIG® MT 500 W optional: Cold wire feeding tube for ABITIG® MT 500 W - liquid cooled	779.6513.1 967.0326 779.6505

### Wire guides

Carbon PTFE core liner 2.0/4.0; Wire-Ø 1.0-1.2; for 4.00 m	127.0007
Polyamid core liner 2.0/4.0; Wire-Ø 1.0-1.2; for 4.00 m	128.0015
Polyamid core liner 2.0x4.0; Wire-Ø 1.6; for 6.00 m	128.0017
Polyamid core liner 2.3x4.7; Wire-Ø 1.6; for 6.00 m	128.0037

## Component kits

### Backfitting kits

Cold wire feeding cpl. for ABITIG® 260 W (Gas nozzle L = 26 mm) <sup>3</sup>	729.0084
Cold wire feeding cpl. for ABITIG® 450 W (Gas nozzle L = 37 mm) <sup>3</sup>	729.0070
Cold wire feeding cpl. for ABITIG® MT 260 W / 300 W / 400 W <sup>3</sup>	779.6514.1
Cold wire feeding cpl. for ABITIG® MT 500 W <sup>3</sup>	779.6500

<sup>3</sup> incl. cold wire feeding tip 1.0 mm

Wire conduit kit ABIDRIVE (L = 6.00 m) incl. fastening material applicable for all retrofit kits	525.1014
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## Accessories

### Torch mounts

MT-25 for ABITIG® MT 260 W / 400 W	780.0222
MT-30 for ABITIG® MT 300 W	780.0145
MT-35 for ABITIG® MT 500 W	780.0292

# Component kits

## I. Component kits ABITIG® 9 / 12-1 / 17 / 18 / 18 SC / 20 / 20 SC / 24 G / 24 W / 26

Type	Electrode-Ø 1.6	Electrode-Ø 2.4	Electrode-Ø 3.2
ABITIG® 9 (Collet body)	712.3151	-	-
ABITIG® 9 (Gas lens)	712.3191	-	-
ABITIG® 12-1 (Collet body)	-	712.0152	712.0153
ABITIG® 12-1 (Gas lens)	-	712.0192	-
ABITIG® 17 (Collet body)	712.2151	712.2152	-
ABITIG® 17 (Gas lens)	712.2191	712.2192	-
ABITIG® 18 (Collet body)	-	712.2152	712.2153
ABITIG® 18 (Gas lens)	-	712.2192	712.2193
ABITIG® 18 SC (Collet body)	-	712.6152	-
ABITIG® 18 SC (Collet body HL)	-	-	712.6153
ABITIG® 18 SC (Gas lens)	-	712.6192	-
ABITIG® 18 SC (Gas lens HL)	-	-	712.6193
ABITIG® 20 (Collet body)	-	712.3152	712.3153
ABITIG® 20 (Gas lens)	-	712.3192	712.3193
ABITIG® 20 SC (Collet body)	-	712.3152	712.3153
ABITIG® 20 SC (Gas lens)	-	712.3192	712.3193
ABITIG® 24 G (Collet body)	705.1519	-	-
ABITIG® 24 W (Collet body)	705.1519	705.1520	-
ABITIG® 26 (Collet body)	-	712.2152	712.2153
ABITIG® 26 (Gas lens)	-	712.2192	712.2193

Component kit "Collet body" consisting of: Back cap long, collet, collet body and gas nozzle ceramic.

Component kit "Gas lens" consisting of: Back cap long, collet, collet body with gas lens and gas nozzle ceramic.

## II. Component kits ABITIG® 150 / 260 W / 260 W SC

Type	Electrode-Ø 1.6	Electrode-Ø 2.4	Electrode-Ø 3.2
ABITIG® 150 (Electrode holder)	777.0182	777.0183	-
ABITIG® 150 (Gas diffuser)	777.0192	777.0193	-
ABITIG® 260 W (Electrode holder)	777.0182	777.0183	777.0184
ABITIG® 260 W (Gas diffuser)	777.0192	777.0193	777.0194
ABITIG® 260 W SC (Electrode holder)	777.0182	777.0183	777.0184
ABITIG® 260 W SC (Gas diffuser)	777.0192	777.0193	777.0194

Component kit "Electrode holder" consisting of: Back cap medium, electrode holder and gas nozzle ceramic.

Component kit "Gas diffuser" consisting of: Back cap medium, gas diffuser and gas nozzle ceramic.

## III. Component kits ABITIG® 200 / 450 W / 450 W SC

Type	Electrode-Ø 2.4	Electrode-Ø 3.2	Electrode-Ø 4.8
ABITIG® 200 (Electrode holder)	774.0183	774.0184	-
ABITIG® 200 (Gas diffuser)	774.0193	774.0194	-
ABITIG® 450 W (Electrode holder)	774.0183	774.0184	-
ABITIG® 450 W (Gas diffuser)	774.0193	774.0194	-
ABITIG® 450 W SC (Electrode holder)	774.0183	774.0184	774.0186
ABITIG® 450 W SC (Gas diffuser)	774.0193	774.0194	774.0196

Component kit "Electrode holder" consisting of: Back cap long, electrode holder and gas nozzle ceramic.

Component kit "Gas diffuser" consisting of: Back cap long, gas diffuser and gas nozzle ceramic.

# Power cables, Control cables and Hoses

## I. Power cables ABITIG® GRIP

Type	Power cable standard			Power cable High Flex		
	4 m	8 m	12 m	4 m	8 m	12 m
ABITIG® 9	150.0084	150.0085	150.0086	150.0065	150.0066	150.0067
ABITIG® 20	150.0015	150.0016	150.0017	150.0062	150.0063	150.0064
ABITIG® 20 SC	-	-	-	150.0301.1	150.0302.1	150.0303.1
ABITIG® 17	150.0084	150.0085	150.0086	150.0065	150.0066	150.0067
ABITIG® 18	150.0018	150.0019	150.0020	150.0068	150.0069	150.0070
ABITIG® 18 SC	150.0018	150.0019	150.0020	150.0068	150.0069	150.0070
ABITIG® 26	150.0087	150.0088	150.0089	150.0059	150.0060	150.0061
ABITIG® 24 G	150.0084	150.0085	150.0086	150.0065	150.0066	150.0067
ABITIG® 24 W	150.0015	150.0016	150.0017	150.0062	150.0063	150.0064
ABITIG® 12-1	150.0074	150.0075	150.0076	150.0071	150.0072	150.0073
ABITIG® 150	150.0111	150.0112	150.0113	150.0040	150.0041	150.0190
ABITIG® 260 W	150.0099	150.0100	150.0101	150.0164	150.0165	150.0166
ABITIG® 260 W SC	-	-	-	150.0305.1	150.0306.1	150.0307.1
ABITIG® 200	150.0170	150.0171	150.0172	150.0036	150.0037	150.0114
ABITIG® 450 W	150.0054	150.0055	150.0083	150.0167	150.0168	150.0169
ABITIG® 450 W SC	-	-	-	150.0203	150.0194	150.0204
ABITIG® 500 W	150.0084	150.0085	150.0086	150.0065	150.0066	150.0067

Power cable for TIG welding torches ABITIG® with rotary valve and TIG machine torches on request.

## II. Power cables ABITIG® GRIP Little

Type	Power cable standard			Power cable High Flex		
	4 m	8 m	12 m	4 m	8 m	12 m
ABITIG® 9	150.0084	150.0085	150.0086	150.0065	150.0066	150.0067
ABITIG® 20	150.0259.1	150.0260.1	150.0261.1	150.0255.1	150.0256.1	150.0257.1
ABITIG® 17	150.0084	150.0085	150.0086	150.0065	150.0066	150.0067
ABITIG® 24 G	150.0084	150.0085	150.0086	150.0065	150.0066	150.0067
ABITIG® 24 W	150.0259.1	150.0260.1	150.0261.1	150.0255.1	150.0256.1	150.0257.1
ABITIG® 90	150.0111	150.0112	150.0113	150.0040	150.0041	150.0190
ABITIG® 150	150.0111	150.0112	150.0113	150.0040	150.0041	150.0190
ABITIG® 180 W	150.0267.1	150.0268.1	150.0269.1	150.0002 <sup>1</sup>	150.0003 <sup>1</sup>	150.0272.1
ABITIG® 260 W	150.0267.1	150.0268.1	150.0269.1	150.0002 <sup>1</sup>	150.0003 <sup>1</sup>	150.0272.1

<sup>1</sup> highly flexible PU version

## III. Control cables

Type	Description	Details	Part-No.
all torches <sup>2</sup>	Power cable 3 core	100 m	100.0100
all torches <sup>2</sup>	Power cable 6 core	100 m	100.0112
all torches <sup>2</sup>	Power cable 6 core (protected)	100 m	100.0028

<sup>2</sup> apart from TIG welding torches ABITIG® GRIP with rotary valve and TIG machine torches

Spare parts mentioned are suitable for use with all ABITIG®, ABITIG® GRIP and ABITIG® GRIP Little TIG welding torches - unless specifically marked.

# Power cables, Control cables and Hoses

## IV. Outer hoses

Type	Description	Details	Part-No.
ABITIG® 9 / 20	Outer hose 22x1.25	40 m	109.0020
ABITIG® 17 / 18 / 18 SC / 26			
ABITIG® 24 G / 24 W			
ABITIG® 12-1			
ABITIG® 90 / 180 W			
ABITIG® 150 / 260 W			
ABITIG® 200 / 450 W			
ABITIG® 500 W			
ABITIG® 9 V			
ABITIG® 17 V / 17 FV			
ABITIG® 20 SC	Outer hose 25x1.25	40 m	105.0019
ABITIG® 260 W SC			
ABITIG® 450 W SC			
ABITIG® 26 V / 26 FV			
ABITIG® 150 MT	Outer hose 22x1.25	40 m	109.0020
ABITIG® 200 MT			
ABITIG® 260 W MT			
ABITIG® 300 W MT			
ABITIG® 400 W MT			
ABITIG® 500 W MT			
ABITIG® MT with cold wire feed	Outer hose 25x1.25	40 m	105.0019

## V. Leather hose and hose coupling

Type	Description	Part-No.
all torches <sup>1</sup>	Leather hose 0.8 m	108.0028
all torches <sup>2</sup>	Hose coupling complete for connecting leather and outer hose	400.0391
ABITIG® 20 SC	Hose coupling complete for connecting leather and outer hose	400.0392
ABITIG® 260 W SC		
ABITIG® 450 W SC		
ABITIG® 500 W		

<sup>1</sup> apart from TIG welding torches ABITIG® GRIP with rotary valve and TIG machine torches

<sup>2</sup> apart from TIG welding torches ABITIG® GRIP with rotary valve, TIG machine torches and ABITIG® GRIP 20 SC / 260 W SC / 450 W SC / 500 W

## VI. Gas hoses

Type	Description	Details	Part-No.
ABITIG® 20 / 20 SC	Gas hose 3x1.5	100 m	102.0124
ABITIG® 18 / 18 SC			
ABITIG® 24 W			
ABITIG® 12-1			
ABITIG® 180 W			
ABITIG® 260 W / 260 W SC			
ABITIG® 450 W / 450 W SC			
ABITIG® 500 W			
ABITIG® 9 V			
ABITIG® 17 V / 17 FV			
ABITIG® 26 V / 26 FV	Gas hose 4.9x1.5	100 m	109.0040
ABITIG® 260 W MT			
ABITIG® 300 W MT	Gas hose 3x1.5	100 m	102.0124
ABITIG® 400 W MT			
ABITIG® 500 W MT			
ABITIG® 500 W MT			

Spare parts mentioned are suitable for use with all ABITIG®, ABITIG® GRIP and ABITIG® GRIP Little TIG welding torches – unless specifically marked.

## VII. Water hose

Type	Description	Version	
		PVC black per 100 m	BRH per 40 m
ABITIG® 20 / 20 SC	Water hose 3.9x1.5	109.0011	109.0059
ABITIG® 18 / 18 SC			
ABITIG® 24 W			
ABITIG® 12-1			
ABITIG® 500 W			
ABITIG® 260 W MT			
ABITIG® 300 W MT			
ABITIG® 400 W MT			
ABITIG® 500 W MT			

## VIII. Hose clamps, marking washers and ceiling covers

Type	Part-No. (20 pcs.)	for hose			
		102.0124	109.0011	109.0040	109.0059
Hose clamp Ø=9.0 with ring (mark. 9.5)	173.0001			•	•
Hose clamp Ø=8.2 with ring (mark. 8.7)	173.0005		•		
Hose clamp Ø=7.5 with ring (mark. 8.0)	173.0007	•			
Marking washer red	501.2166		•		•
Marking washer blue	501.2167		•		•
Ceiling cover red	501.2423		•		•
Ceiling cover blue	501.2424		•		•

# Handles and Modules

## I. Handles ABITIG® GRIP and control modules

Type	Description	Details	Part-No.
all ABITIG® GRIP torches <sup>1</sup>	Handle ABITIG® GRIP, without control module		180.0130.1
all ABITIG® GRIP torches <sup>1</sup>	Control module single push-button	BIS-51	400.1275.1
	Control module single push-button with potentiometer 10 kΩ (3 pole)	BIS-59	400.1281.1
	Control module double push-button	BIS-52	400.1276.1
	Control module double push-button for high switching current (up to 2 A)	BIS-60	400.1280.1
	Control module double push-button with potentiometer 1 kΩ	BIS-64	400.1327.1
	Control module double push-button with potentiometer 2.2 kΩ	BIS-74	400.1328.1
	Control module double push-button with potentiometer 4.7 kΩ	BIS-84	400.1329.1
	Control module double push-button with potentiometer 10 kΩ	BIS-54	400.1278.1
	Control module double push-button with potentiometer 47 kΩ	BIS-94	400.1330.1
	Control module double push-button with compensator	BIS-67	400.1282.1
	Control module UP / DOWN (device-dependent)	BIS-65	400.1279.1
	Control module UP / DOWN (compatible with Stel® / CEA®)	BIS-85	400.1367.1
	Control module UP / DOWN (compatible with Lorch®)	BIS-95	400.1277.1
	Control module UP / DOWN (compatible with CEA®)	BIS-98	400.1368.1
	Control module single push-button with rubber calotte	BIS-R1	400.1378.1

<sup>1</sup> apart from TIG welding torches ABITIG® GRIP with rotary valve and TIG machine torches

## II. Handles ABITIG® GRIP Little and control modules

Type	Description	Details	Part-No.
all ABITIG® GRIP Little torches <sup>1</sup>	Handle ABITIG® GRIP Little, without control module		180.0131.1
all ABITIG® GRIP Little torches <sup>1</sup>	Control module single push-button	BIS-51	400.1296.1
	Control module single push-button (lower release force than BIS-51)	BIS-51	400.1647.1
	Control module double push-button	BIS-52	400.1292.1
	Control module UP / DOWN (device-dependent)	BIS-55	400.1388.1
	Control module UP / DOWN (device-dependent)	BIS-65	400.1318.1
	Control module UP / DOWN (compatible with Stel® / CEA®)	BIS-85	400.1375.1
	Control module UP / DOWN (compatible with Lorch®)	BIS-95	400.1354.1
	Lid (5 pcs.)	BIS-57	400.1402.5

<sup>1</sup> apart from TIG welding torches ABITIG® GRIP with rotary valve and TIG machine torches

## III. Handles and rotary valves

Type	Description	Part-No.
ABITIG® 9 V / 17 V / 17 FV	Handle	705.1440
	Rotary valve	705.0046
ABITIG® 26 V / 26 FV	Handle	705.0096
	Rotary valve	705.0097



## Handle ABITIG® GRIP Little



**BIS-51 /**  
**BIS-51** (lower release force)  
ED = Single push-button



**BIS-52**  
DD = Double push-button /  
Button short (in Torch-Price-List  
Standard, under DD)



**BIS-55**  
UD = UP / DOWN  
(device-dependent)



**BIS-65**  
UD = UP / DOWN  
(device-dependent)



**BIS-85**  
UD = UP / DOWN  
(compatible with Stel® / CEA®)



**BIS-95**  
UD = UP / DOWN  
(compatible with Lorch®)



**BIS-57**  
Lid (5 pcs.)



appropriate handle  
Part-No.: 180.0131.1

### Abbreviations for switch functions:

ED	Single push-button
DD	Double push-button
UD	UP / DOWN (two switches)
EDP <sup>1</sup>	Single push-button with potentiometer 10 kΩ, other factors on request (e.g. 1.0 kΩ, 2.2 kΩ, 4.7 kΩ, 47 kΩ)
DDP <sup>1</sup>	Double push-button with potentiometer 10 kΩ, other factors on request (e.g. 1.0 kΩ, 2.2 kΩ, 4.7 kΩ, 47 kΩ)

<sup>1</sup>In the case of potentiometer regulation in the handle,  
an HF-filter is essential if the potentiometer cable runs  
through the remote control connector and is started with  
high voltage pulses. If there is no HF-filter, the HF pulses  
may damage the control electronics.

Please order the HF-control cable filter DGF 3 by using  
the Part-No. 184.0162.

## Handle ABITIG® GRIP



**BIS-51**  
ED = Single push-button



**BIS-52**  
DD = Double push-button /  
Button long



**BIS-54 / -64 / -74 / -84 / -94**  
DDP = Double push-button /  
Poti xx kΩ (see page 44)



**BIS-59**  
EDP = Single push-button /  
Poti 10 kΩ (compatible with  
Migatronic®, 3 pole)



**BIS-60**  
DD = Double push-button /  
Button long for high switching  
current up to 2 A



**BIS-65**  
UD = UP / DOWN  
(device-dependent)



**BIS-67**  
DD = Double push-button /  
Compensator



**BIS-85**  
UD = UP / DOWN  
(compatible with Stel® / CEA®)



**BIS-95**  
UD = UP / DOWN  
(compatible with Lorch®)



**BIS-98**  
UD = UP / DOWN  
(compatible with CEA®)

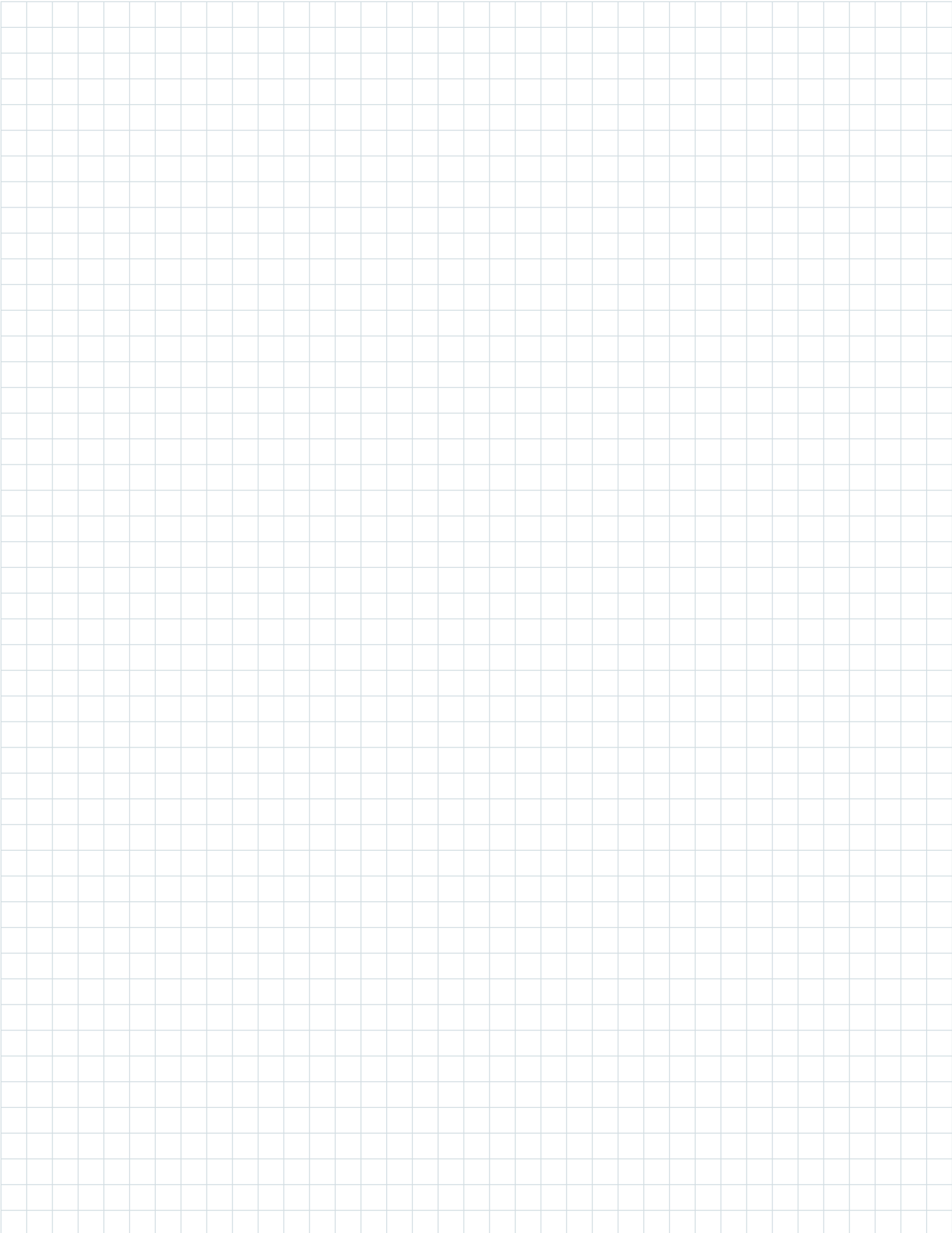


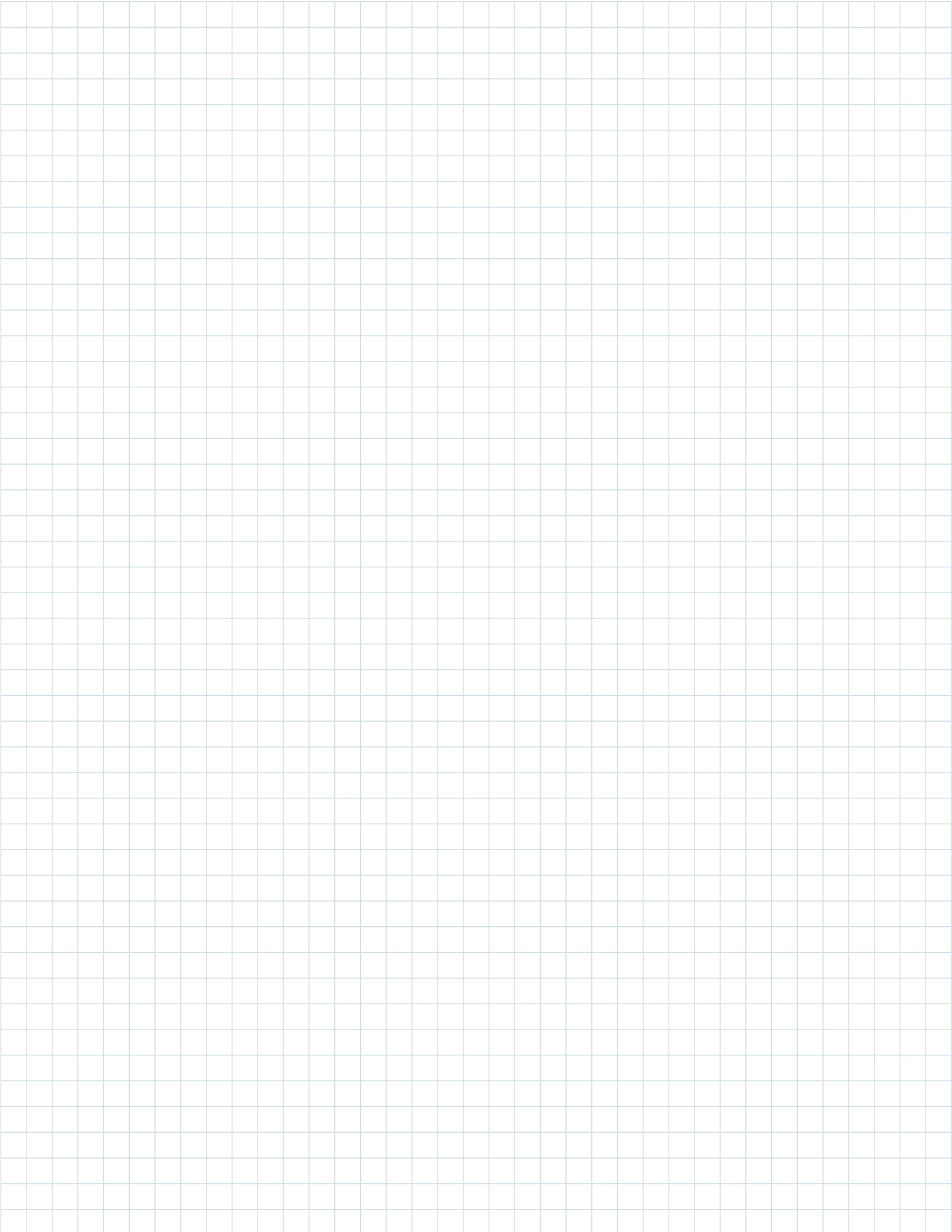
**BIS-R1**  
ED = Single push-button  
with rubber calotte



appropriate handle  
Part-No.: 180.0130.1

# Notes





## Our product range:

### ■ MIG/MAG

- Welding Torches
- Machine and Special Torches
- Push-Pull Welding Torches
- Fume Extraction Torches
- Central Adaptor System

### ■ TIG

- Welding Torches
- Machine and Special Torches

### ■ PLASMA

- Cutting Torches
- Welding Torches
- Machine and Special Torches

### ■ ROBOTIC SYSTEMS

- Robot Torches MIG/TIG/PLASMA
- Electronic Welding Regulator
- Laser Heads
- Seam Tracking Sensors
- TCP Programming Aid
- Robot Mounts
- Wire Cutting Station
- Torch Cleaning Station
- Wire Feeding Systems

### ■ Welding Accessories

- Fumes Extraction Systems
- Coolers
- Welding Cable Plug and Socket
- Anti Spatter Spray and Paste  
and so on ...



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# ACCESSORIES CATALOG 4.1



Welding and Cutting Accessories for all  
Metalworking Industries.





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# Anti-spatter

## Anti-Spatter-Spray & Anti-Spatter-Spray non-flammable

### The classical Anti-Spatter-Spray

ABICOR BINZEL Anti-Spatter-Spray is a special silicon-free formula developed on the basis of environmentally-friendly, solvent-free natural special oils that are not harmful to health, and additives that do not have to be specifically labelled.

The Anti-Spatter-Spray has been successfully used in all sectors of the metalworking industry and is in demand daily in very different areas of application.

- Silicon-free
- No adverse effects with subsequent coating/painting/galvanising if standard pre-treatment methods are complied with
- CFC-free
- CHC-free



Pos.	Description	Part-No.
1	Anti-Spatter-Spray, 400 ml; 12 pcs.; languages: DE/EN/FR/NL/SV/DA/PL/IT	192.0071
1	Anti-Spatter-Spray, 400 ml; 12 pcs.; languages: CS/SK/PL/HU/HR/SL/SR/EN	192.0107
1	Anti-Spatter-Spray, 400 ml; 12 pcs.; languages: RU/UK/KK/LT/LV/ET/BG/RO	192.0213.1
1	Anti-Spatter-Spray, 400 ml; 12 pcs.; languages: EN/ZH/ES/EL/PT/NO/TR	192.0214.1

### The non-flammable variant of the Anti-Spatter-Spray



The Anti-Spatter-Spray non-flammable is a fine atomising spray for protection against spatter adhesion in the area of the gas nozzle and on the workpiece. It is non-flammable, silicone free and does not have to be specifically labeled. It provides an alternative for use as spatter protection for torches and workpieces.

- Silicon-free
- No adverse effects with subsequent coating/painting/galvanising if standard pre-treatment methods are compliant
- CFC-free
- CHC-free

Pos.	Description	Part-No.
2	Anti-Spatter-Spray non-flammable, 300 ml; 12 pcs.; languages: PL/RO/RU/SR/SK/SL/UK/BG/CS/DE/ET/EN/HR/HU/LT/LV	192.D040
2	Anti-Spatter-Spray non-flammable, 300 ml; 12 pcs.; languages: LV/LT/ET/RU/UK/SL/RU/HR	192.D047.1



# Anti-spatter Düsofix

## Nozzle protection paste

Düsofix is a spatter protection paste for gas nozzles. Biodegradable, special labelling not required, silicon-free. The metal can enables the hot gas nozzle to be dipped safely into the Düsofix – even directly after the welding process. The spatter adhesion is reduced by the protective film.

- Silicon-free
- Special labelling not required
- Can also be used on hot gas nozzles



Pos.	Description	Part-No.
3	Düsofix, 300 g; 12 pcs.; languages: DE/EN/FR	192.0058
3	Düsofix, 300 g; 12 pcs.; languages: CS/SK/PL/RO/BG	192.D032
3	Düsofix, 300 g; 12 pcs.; languages: RU/HU/LT/LV/ET	192.D033
3	Düsofix, 300 g; 12 pcs.; languages: ES/IT/PT/EL/TR	192.0224.1

# Anti-spatter ABIBLUE

## Welding spatter gets the blues!

ABIBLUE does away with welding spatter adhesions on the workpiece in a particularly effective way and thus saves time and money. It contains a blue colour indicator that shows the welder immediately whether the workpiece is covered with a separating agent – naturally without influencing the welding process.

Usable for all relevant welding methods, as well as for laser and plasma cutting. This simplifies handling in larger operations with different welding and cutting processes.

Safety for subsequent coating/painting/galvanising was ensured in cooperation with an independent testing institution. In addition, there is no increased hydrogen input with aluminium welding – another quality feature of ABIBLUE.

This spatter protection variant is particularly environmentally friendly through the use of sustainable raw materials.

## The advantages of ABIBLUE

- Non-flammable – satisfies the ABICOR BINZEL NF standard
- Special labeling not required in accordance with GHS/CLP
- Easily biodegradable
- Can be washed off with water
- Silicon-free
- Colour indicator – optimal detection of workpiece wetting
- Suitable for welding and laser cutting applications
- Capability of being welded over confirmed by an independent testing institution
- No adverse effects with subsequent coating/painting/galvanising if standard pre-treatment methods are complied with
- Frost-resistant



## „ABICOR BINZEL® NF-Standard“

Products from ABICOR BINZEL that have the abbreviation „NF“ (non-flammable) in their name have passed practical tests developed by ABICOR BINZEL especially for welding technology.

The standard defined by ABICOR BINZEL for NF products goes further than the provisions of the GHS and of the CLP Regulation on the classification of the flammability of an NF product and covers a broad range of standard combinations of active shielding gases,

extremely different workpieces and different welding processes.

Only products that have passed all the tests without igniting may show the ABICOR BINZEL NF designation. In addition to the „NF“ in the name, products are also marked with a stamp.

The ABICOR BINZEL NF standard provides more safety for welders and companies.



**Detecting what will not  
ignite even faster:  
the stamp for NF products  
from ABICOR BINZEL**

**ABIBLUE**  
anti-spatter-  
emulsion



Pos.	Description	Part-No.
1	ABIBLUE anti-spatter-emulsion, 5 litre canister; languages: DE/EN/FR/IT/RU/UK	192.0238.1
2	ABIBLUE anti-spatter-emulsion, 10 litre canister; languages: DE/EN/FR/IT/RU/UK	192.0239.1
3	ABIBLUE anti-spatter-emulsion, 20 litre canister; languages: DE/EN/FR/IT/RU/UK	192.0240.1
4	Outlet tap for 20 litre canister; 5 pcs.	192.0191.5

**ABIBLUE**  
spray bottles

The sprays have spray heads specially designed for ABIBLUE and thus ensure an optimum spraying pattern. The spray head can be set to the required spraying pattern before use, and the workpiece can be evenly sprayed and wetted. Suitable for use with ABIBLUE anti-spatter-emulsion.

The metal spray bottle is our robust solution for keeping ABIBLUE close to the process. Thanks to its solid metal body, it is insusceptible to heat and welding spatter.



A plastic spray bottle is available as an alternative to the metal spray bottle. This does not require pressure compensation and is thus leak proof.



Pos.	Description	Part-No.
6	Metal spray bottle, without contents, 400 ml; 12 pcs.	192.0163
7	Hand spray pump for metal spray bottle; 1 pc.	192.0164
8	Plastic spray bottle, without contents, 500 ml; 15 pcs.	192.0254.15
9	Hand spray pump for plastic spray bottle; 2 pcs.	192.0273.2

# Anti-spatter Ceramic Spray

## Premium anti-spatter-spray for torches

ABICOR BINZEL Ceramic Spray is resistant to high temperatures and provides long-term protection from welding spatter adhesions on gas nozzle and contact tips, and on all welding process fixtures. ABICOR BINZEL Ceramic Spray increases system availability and lowers ongoing maintenance costs. It is also perfectly suitable for automated applications with long welding processes.

After spraying, a white ceramic protective film is formed that is resistant to high temperatures. Thanks to the extremely short drying time of approx. 5 seconds, the welding process can be started immediately.

- Silicone-free
- Very high ceramic content – wide coverage
- Lowers ongoing maintenance costs
- Increases system availability
- Excellent coating adhesion
- High abrasion resistance
- Very short drying time (approx. 5 seconds)
- For all MIG/MAG torches
- For all processes



**ABICOR BINZEL  
Ceramic Spray**



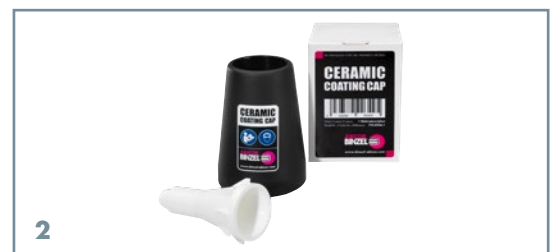
Pos.	Description	Part-No.
1	Ceramic Spray, 400 ml; 12 pcs.; languages: DE/EN/FR/NL/ES/PT/IT/SV	192.0228.1
1	Ceramic Spray, 400 ml; 12 pcs.; languages: RU/CS/SK/PL/LT/LV/ET/EN	192.0229.1
1	Ceramic Spray, 400 ml; 12 pcs.; languages: EN/FI/SV/NO/DA/TR/ZH/EL	192.0242.1

**Ceramic  
Coating Cap**



The Ceramic Coating Cap was developed specially for ABICOR BINZEL Ceramic Spray. The tip of the gas nozzle and its interior can be optimally protected in a few seconds from adhering welding spatter with the Ceramic Coating Cap.

- Cost savings through lower consumption
- Protects the welder and the environment
- Time savings through better handling
- Optimum wetting of the gas nozzle
- Can be reused several times



Pos.	Description	Part-No.
2	Ceramic Coating Cap; 10 pcs.	192.0256.10

# Coolant liquids

## BTC & BTC-NF

### Coolants for all welding and cutting systems

Liquid cooled torches require special coolants. These should have very good cooling properties, low electrical conductivity and in addition good storage properties. ABICOR BINZEL BTC coolants satisfy these requirements reliably, ensure optimal cooling of liquid cooled welding and cutting torches and thus provide perfect protection for the complete cooling system.

- Optimal cooling of torches
- Long life in the cooling system
- Prevents a rapid increase in the electrical conductivity – electrical corrosion on metal parts is considerably reduced
- The complete cooling system is protected from blockages and consequential damage
- Suitable for all welding and cutting systems

### BTC-15



- Very low conductivity value of <math>< 4\mu\text{S}</math>.
- Frost-proof up to  $-12^{\circ}\text{C}$
- Silicone-free
- pH value: 6



Pos.	Description	Part-No.
1	BTC-15, 5 litre canister; languages: DE/EN/FR/ES/CS/SK/PL/RU	192.0110
2	BTC-15, 20 litre canister; languages: DE/EN/FR/ES/CS/SK/PL/RU	192.0111
3	Outlet tap for 20 litre canister; 5 pcs.	192.0191.5
not ill.	BTC-15, 200 litre barrel; languages: DE/EN/FR/CS/PL/RU	192.0112
4	Spigot for 200 litre barrels; 1 pc.	192.0109

## “ABICOR BINZEL® NF-Standard”

Products from ABICOR BINZEL that have the abbreviation „NF“ (non-flammable) in their name have passed practical tests developed by ABICOR BINZEL especially for welding technology.

The standard defined by ABICOR BINZEL for NF products goes further than the provisions of the GHS and of the CLP Regulation on the classification of the flammability of an NF product and covers a broad range of standard combinations of active shielding gases,

extremely different workpieces and different welding processes.

Only products that have passed all the tests without igniting may show the ABICOR BINZEL NF designation. In addition to the „NF“ in the name, products are also marked with a stamp.

The ABICOR BINZEL NF standard provides more safety for welders and companies.



**Detecting what will not ignite even faster:  
the stamp for NF products  
from ABICOR BINZEL**

## BTC-20 NF



- Very low conductivity value of <math>< 4\mu\text{S}</math>.
- Non-flammable - conforms to the ABICOR BINZEL NF standard
- Uncomplicated storage - non-flammable product
- Frost-proof up to  $-17^{\circ}\text{C}$
- Silicone-free
- pH value: 6



Pos.	Description	Part-No.
5	BTC-20 NF, 5 litre canister; languages: DE/EN/FR/ES/CS/SK/PL/RU	192.0265.1
5	BTC-20 NF, 5 litre canister; languages: DE/FR/NL/TR/NO/DA/PT/SV	192.0266.1
6	BTC-20 NF, 20 litre canister; languages: DE/EN/FR/ES/CS/SK/PL/RU	192.0267.1
6	BTC-20 NF, 20 litre canister; languages: DE/FR/NL/TR/NO/DA/PT/SV	192.0268.1
7	Outlet tap for 20 litre canister; 5 pcs.	192.0191.5
not ill.	BTC-20 NF, 200 litre barrel; languages: DE/EN/FR/CS/PL/RU	192.0269.1
8	Spigot for 200 litre barrels; 1 pc.	192.0109

## BTC-50 NF



- Very low conductivity value of <math>< 4\mu\text{S}</math>.
- Non-flammable - conforms to the ABICOR BINZEL NF standard
- Uncomplicated storage - non-flammable product
- Frost-proof up to  $-45^{\circ}\text{C}$
- Silicone-free
- pH value: 6



Pos.	Description	Part-No.
9	BTC-50 NF, 5 litre canister; languages: DE/EN/FR/ES/CS/SK/PL/RU	192.0175.1
9	BTC-50 NF, 5 litre canister; languages: DE/FR/NL/TR/NO/DA/PT/SV	192.0260.1
10	BTC-50 NF, 20 litre canister; languages: DE/EN/FR/ES/CS/SK/PL/RU	192.0176.1
10	BTC-50 NF, 20 litre canister; languages: DE/FR/NL/TR/NO/DA/PT/SV	192.0261.1
11	Outlet tap for 20 litre canister; 5 pcs.	192.0191.5
not ill.	BTC-50 NF 200 litre barrel; languages: DE/EN/FR/CS/PL/RU	192.0177.1
12	Spigot for 200 litre barrels; 1 pc.	192.0109

# Welding accessories

## Utilities and tools

### Special pliers and wire cleaning sets



- 1 Special pliers (FIX)**  
 No. 1 for gas nozzles NS 12-15 mm Part-No. 193.0013  
 No. 2 for gas nozzles NS 15-18 mm Part-No. 193.0014



- 2 Wire cleaning set red** for steel (set)  
**red** for steel (25 pcs.)



- 3 Wire cleaning set white** for Al (set)  
**white** for Al (25 pcs.)
- Part-No. 193.0001  
 Part-No. 193.0003  
 Part-No. 193.0002  
 Part-No. 193.0004



- 4 Clamp**  
 (12 pcs.)  
 Part-No. 193.0007

### Handy-supports, sharpener, hose cutters and gas flow meters



- 5 TIG handy-support (FIX)**  
 without magnet base Part-No. 193.0019



- 6 MIG handy-support (FIX)**  
 without magnet base Part-No. 193.0018

**Magnet base** (not ill.) Part-No. 193.0023



- 7 Sharpener**  
 for plastic liners Part-No. 191.0064



- 8 Hose cutter** Part-No. 191.0062.1

- 9 Gas flow meter** Part-No. 191.0003

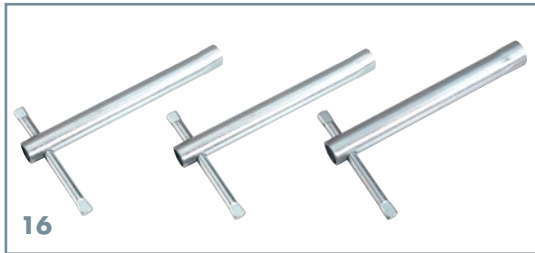
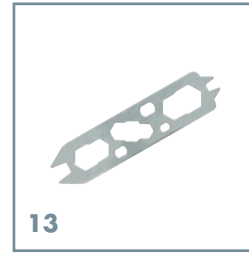
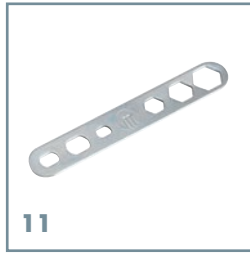
### Accessories case



- 10 Accessories case**  
 small Part-No. 192.0066  
 big Part-No. 192.0069



## Special wrenches



**11 Wrench**  
Standard

Part-No. 191.0001

**12 Multiple wrench**  
(10 pcs.)

Part-No. 191.0015

**13 Wrench**  
for ABIMIG®

Part-No. 191.D045

**14 Universal wrench**

Part-No. 750.0125

**15 Electrode wrench**

Part-No. 743.0064

**16 Socket wrench (L=120 mm)**

SW 6

Part-No. 191.0103

SW 8

Part-No. 191.0102

SW 10

Part-No. 191.0104

# Welding accessories

## Utilities and tools

### Belt clip



#### 17 ABI-CLIP

Belt clip for easy routing and strain relief of air cooled BIKOX® cables (Ø 14-25 mm).

Part-No. 191.0141.1

# Welding accessories

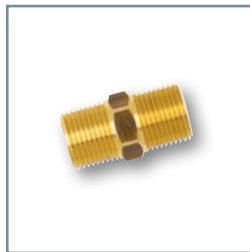
## Adapter pieces, double nipple and quick couplings

### Adapter pieces



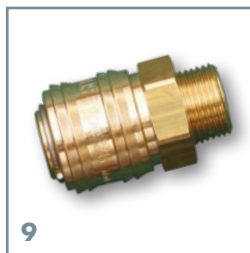
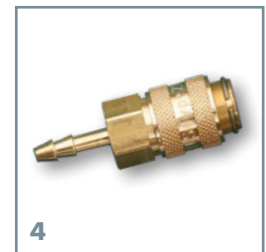
Description	Part-No.
Adapter piece M12x1 - G3/8"	710.0003
Adapter piece M12x1 - G1/4"	710.0004
Adapter piece M10x1 - G1/8"	710.0005
Adapter piece G1/8" - G1/4"	710.0006
Adapter piece G1/8" - G3/8"	710.0007
Adapter piece G1/8" - G3/8" 24 G	710.0008
Adapter piece M12x1 - G1/8"	710.0009
Adapter piece G3/8" - G1/4"	710.0025
Adapter piece M12x1 - M10x1	710.0027
Adapter piece M10x1 - M12x1	710.0028
Adapter piece G1/8" - M12x1	710.0034
Adapter piece M14x1 AG - 1/4IG	710.0035
Adapter piece M12x1 AG - 7/8"-14G LH A	710.0037

### Double nipple



Description	Part-No.
Double nipple G1/8" AG / M12x1 AG SW 12 (MS)	710.0015
Double nipple G1/8" AG / G1/8" AG SW 12 (MS)	710.0016
Double nipple M12x1 AG / M12x1 AG SW 12 (MS)	710.0017
Double nipple G1/4" AG / G1/4" AG SW 14 (MS)	710.0018
Double nipple G3/8" AG / G3/8" AG SW 17 (MS)	710.0019
Double nipple M10x1 AG / M10x1 AG SW 10 (MS)	710.0020

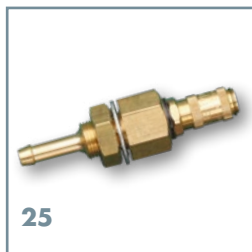
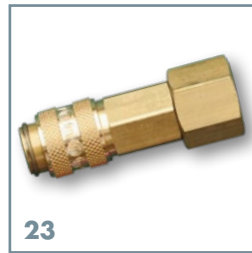
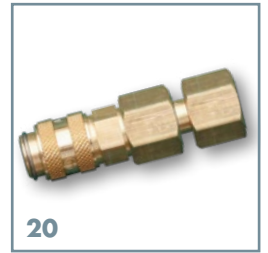
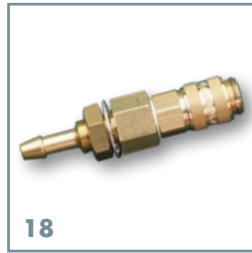
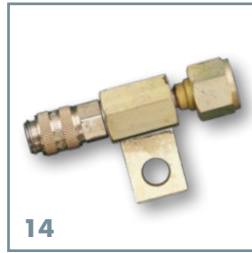
### Quick couplings



# Welding accessories

## Adapter pieces, double nipple and quick couplings

### Quick couplings



<b>Pos.</b>	<b>Description</b>	<b>Part-No.</b>
1	Quick coupling DN 2.7 G1/8" AG	177.0001
2	Quick coupling DN 5 G1/8" IG	177.0002
3	Quick coupling DN 5 G1/8" AG	177.0003
4	Quick coupling DN 5; nozzle Ø = 4 mm	177.0007
5	Quick coupling DN 6; nozzle Ø = 6 mm	177.0008
6	Quick coupling DN 2.7; nozzle Ø = 4 mm	177.0009
7	Quick coupling DN 7.2; nozzle Ø = 6 mm	177.0010
8	Quick coupling DN 5; nozzle Ø = 6 mm; self-locking	177.0016.10
9	Quick coupling G3/8" AG	177.0012
10	Quick coupling DN 5 G1/8" AG; red	177.0013
11	Quick coupling DN 5 G1/8" AG; blue	177.0014
12	Quick coupling DN 5; nozzle Ø = 8 mm	177.0015.1
13	Quick coupling DN 5 G1/4" IG	501.0158
14	Quick coupling DN 5 G3/8" IG with lug	501.0163
15	Quick coupling DN 5 M12x1 IG	501.0176
16	Quick coupling DN 5 5/8" - 18G UNF-LH AG	501.0188
17	Quick coupling DN 5 G3/8" IG	501.0189
18	Quick coupling DN 5; nozzle Ø = 8 mm	501.0190
19	Quick coupling DN 5 1/2" IG	501.0191
20	Quick coupling DN 5 M12x1,5 IG	501.0194
21	Quick coupling DN 5; nozzle Ø = 10 mm	501.0195
22	Quick coupling DN 5 7/8" - 14G UNF IG	501.0196
23	Quick coupling DN 5 M14x1 IG	501.0197
24	Quick coupling DN 5; nozzle Ø = 6.5 mm	501.0204
25	Quick coupling DN 2.7; nozzle Ø = 6.5 mm	501.0230
26	Quick coupling DN 5; nozzle Ø = 6 mm	501.0270
27	Quick coupling DN 5 5/8" - 18G UNF IG	501.1795
28	Plug-in nipple DN 5; Ø = 6 mm; self-locking	501.2318
29	Quick coupling DN 5; nozzle Ø = 6.5 mm; red	501.2403
30	Quick coupling DN 5; nozzle Ø = 6.5 mm; blue	501.2404
31	Quick coupling DN 5; nozzle Ø = 6 mm	560.0017
32	Quick coupling DN 7.2 cpl.; Masterliner	783.5207.1
33	Assembly kit WK43; for 2 connectors	850.0235
34	Quick coupling DN 5 1/4" AG	850.0263

# Welding cable connector system

## ABIPLUG

### Plug and weld! ABIPLUG – the reliable connection.

The new range of **ABIPLUG** welding cable connectors from **ABICOR BINZEL** – designed for safe and effective current transfer in arc welding technology – guarantees maximum operating safety for the equipment and the user. Available as either panel socket / cable plug combination or as panel plug / cable socket combination.

#### The advantages:

- Safe and quick connection – highest twist resistance due to the revolutionary “square end-block-system” by ABICOR BINZEL
- High flash-over resistance – for maximum machine protection
- Easy mounting, optimal connection and excellent power transmission
- Compatible with all commercially available makes – can be built out of metal or plastic panels
- Corresponds to EN-standard EN 60 974-12 – the new EN-standard



#### Technical data

#### Welding cable connector system

Type	Current (A)	Cable (mm <sup>2</sup> )	Mount-Ø (mm)
*10-25	125	up to 10	20.5
*10-25	150	10–16	20.5
*10-25	200	16–25	20.5
*35-50	250	25–35	30.5
*35-50	300	35–50	30.5
*50-70	400	50–70	30.5
*70-95	500	70–95	30.5

\* = **ABI-CM** / **ABI-IF** or **ABI-CF** / **ABI-IM**

**ABI-CM** (Cable **M**ale) = Welding cable plug

**ABI-CF** (Cable **F**emale) = Welding cable socket

**ABI-IM** (Insert **M**ale) = Panel mounted plug

**ABI-IF** (Insert **F**emale) = Panel mounted socket



#### Panel sockets

1	ABI-IF 10-25	Part-No.	511.0304
2	ABI-IF 35-50	Part-No.	511.0314
3	ABI-IF 50-70	Part-No.	511.0330
4	ABI-IF 70-95	Part-No.	511.0309

#### Cable plugs

5	ABI-CM 10-25	Part-No.	511.0305
6	ABI-CM 35-50	Part-No.	511.0315
7	ABI-CM 50-70	Part-No.	511.0331
8	ABI-CM 70-95	Part-No.	511.0342



#### Panel plugs

9	ABI-IM 10-25	Part-No.	511.0306
10	ABI-IM 35-50	Part-No.	511.0316
11	ABI-IM 50-70	Part-No.	511.0332
12	ABI-IM 70-95	Part-No.	511.0320

#### Cable sockets

13	ABI-CF 10-25	Part-No.	511.0303
14	ABI-CF 35-50	Part-No.	511.0313
15	ABI-CF 50-70	Part-No.	511.0329
16	ABI-CF 70-95	Part-No.	511.0340



# Electrode holders

## DE 2200 / DE 2300 / DE 2400 / DE 2500

### The tough classics ...

The electrode holders are used for manual electrode welding. Manual electrode welding is one of the oldest and most proven arc welding operations that are still applied today. It stands out due to relatively low investment needs as well as its universal application possibilities. KURT HAUFER electrode holders "DE" are million-fold proven for decades and due to their extremely tough construction they are the optimum tool for the "outdoor professional" – amongst others in shipyards, pipeline construction and bridge building.

Besides the traditional version for connection via cable shoe the new "K"-series offers the possibility of direct crimp connection with the bare welding cable.

### Special features:

- High-tensile, heat insulated handle
- Mechanical and thermal heavy-duty insulating material
- Safe electrode voltage in four chip flutes
- Big electrode and welding cable connection area



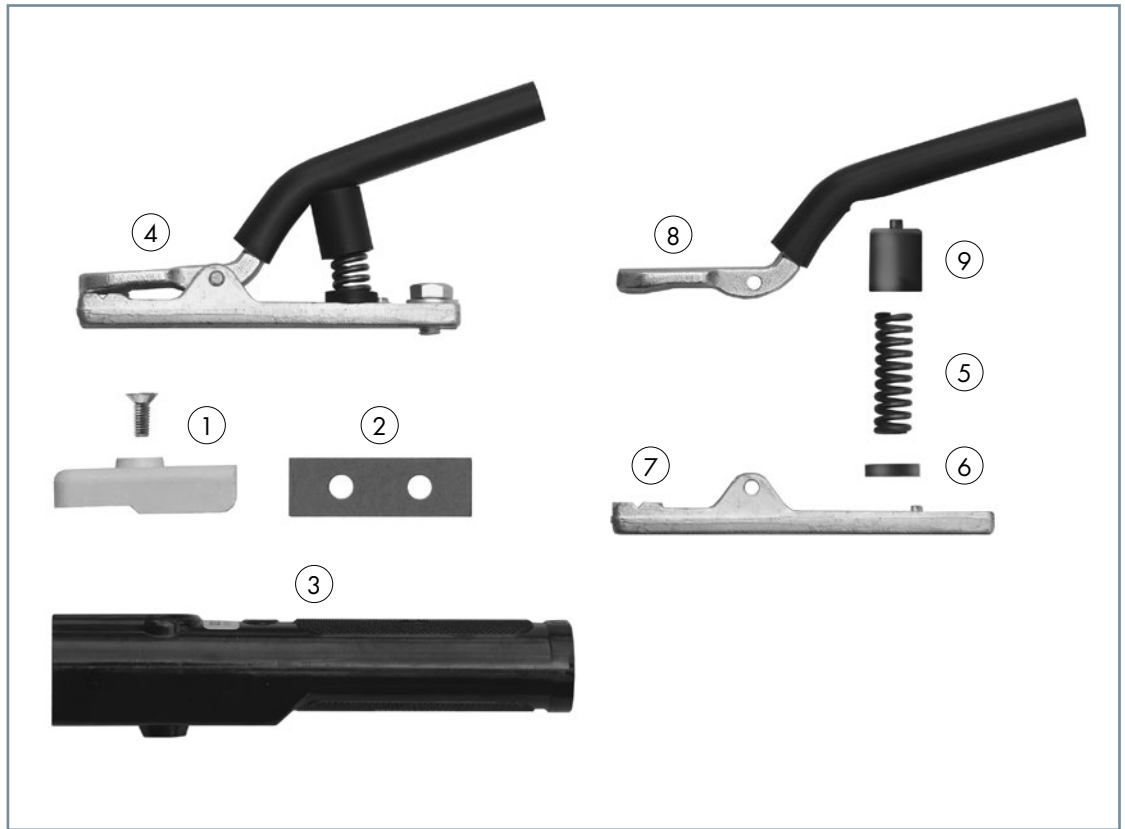
### Technical data

Type	Rating		Electrodes-Ø	Welding cable	Connection bolt <sup>2</sup>
	at 60% duty cycle	at 35% duty cycle			
DE 2200 / K <sup>1</sup>	200 A	250 A	2.0-4.0 mm	25 / 35 mm <sup>2</sup>	M8
DE 2300 / K <sup>1</sup>	300 A	400 A	2.0-6.3 mm	35 / 70 mm <sup>2</sup>	M8
DE 2400 / K <sup>1</sup>	400 A	500 A	4.0-8.0 mm	50 / 95 mm <sup>2</sup>	M10
DE 2500 / K <sup>1</sup>	500 A	600 A	4.0-10.0 mm	70 / 120 mm <sup>2</sup>	M10

<sup>1</sup> K=Clamp-connection via ferrule

<sup>2</sup> for cable shoe





**Electrode holder cpl.**

Type	Part-No.
Electrode holder DE 2200	512.D060
Electrode holder DE 2300	512.D070
Electrode holder DE 2400	512.D080
Electrode holder DE 2500	512.D090
Electrode holder DE 2200 K	512.D470
Electrode holder DE 2300 K	512.D471
Electrode holder DE 2400 K	512.D472
Electrode holder DE 2500 K	512.D480

**Wear parts**

Pos.	Description	Part-No.			
		DE 2200 / K	DE 2300 / K	DE 2400 / K	DE 2500 / K
1	Insulating flange (2 pcs.)	512.D021	512.D031	512.D041	512.D091
2	Insulating plate	-	512.D032	512.D032	512.D032
3	Handle	512.D483.1	512.D486.1	512.D145	512.D145
4	Front part	512.D268	512.D384	512.D272	512.D274
not ill.	Front part "K"	512.D473	512.D474	512.D475	512.D481
5	Pressure spring	512.D025	512.D035	512.D035	512.D035
6	Cap (5 pcs.)	512.D026	512.D036	512.D036	512.D036
7	Bottom part	512.D276	512.D278	512.D280	512.D282
not ill.	Bottom part "K"	512.D416	512.D418	512.D422	512.D424
8	Lever	512.D028	512.D201	512.D048	512.D098
9	Insulating cap	512.D029	512.D039	512.D039	512.D039
not ill.	Ferrule "K"	511.0048	511.0065	511.0104	511.0104

# Gouging torch

## K10 / K12 / K12 T / K16 / K16 T / K20

### Reliable and safe ...

The original KURT HAUFE gouging torch is used for gouging, joint preparation, removing of pores and cracks, chamfering, cutting, surface treatment and hole piercing at all metals. They stand out due to their reliability and safety.

### Special features:

- Oval, rugged, heat insulated handle
- Regulation of compressed air via rotary valve
- High air consumption
- High flex cable
- T-version with swivel joint
- Turnable nozzle suitable for round and flat electrodes

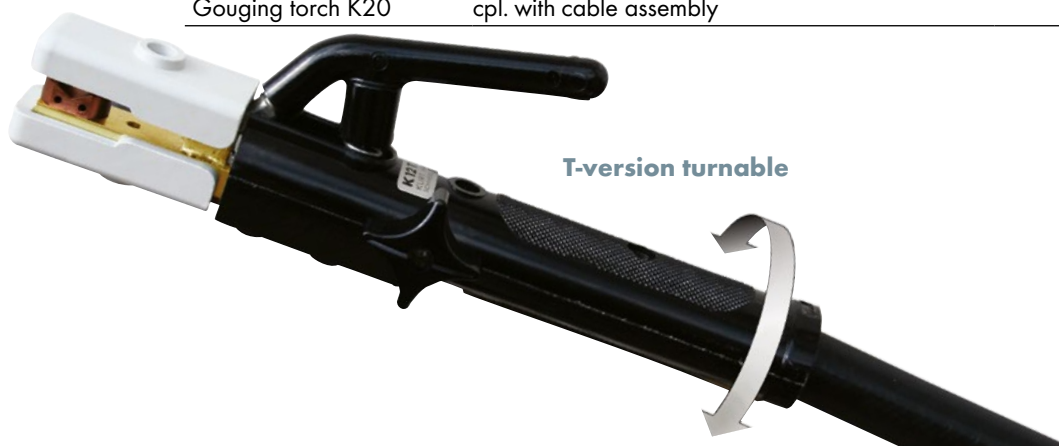


### Technical data

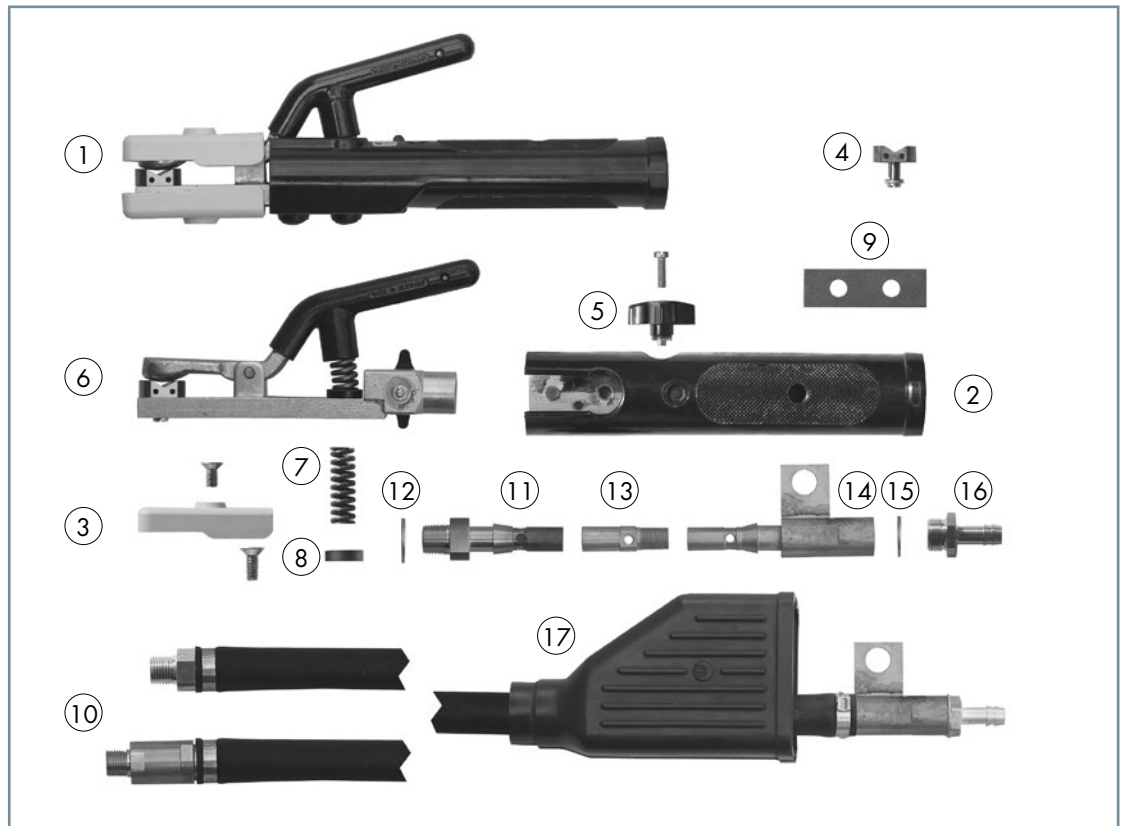
Type	Rating	Duty cycle	Round electrode-Ø	Flat electrode		Compr. air max.	Compr. air connection
				width (mm)	thickness (mm)		
K10	500 A	60%	4-10 mm	15 / 20	4	10 bar	3/8"-18 NPT
K12 / T	600 A	60%	4-12 mm	15 / 20	4-5	10 bar	3/8"-18 NPT
K16 / T	1000 A	60%	8-16 mm	15 / 20 / 25	4-5	10 bar	3/8"-18 NPT
K20	1500 A	60%	8-19 mm	15 / 20 / 25	4-5	10 bar	3/8"-18 NPT

### Gouging torch cpl.

Type		Part-No.	
		2.1 m	3.0 m
Gouging torch K10	cpl. with cable assembly	516.D124	516.D001
Gouging torch K12	cpl. with cable assembly	516.D125	516.D002
Gouging torch K12 T	cpl. with cable assembly	516.D154	516.D142
Gouging torch K16	cpl. with cable assembly	516.D126	516.D003
Gouging torch K16 T	cpl. with cable assembly	516.D155	516.D150
Gouging torch K20	cpl. with cable assembly	-	516.D167.1



T-version turnable



## Wear parts

Pos.	Description	Part-No.					
		K10	K12	K12 T	K16	K16 T	K20
1	Gouging torch w/o tube cable	516.D028	516.D028	516.D028	516.D040	516.D040	516.D195.1
2	Handle	516.D011	516.D011	516.D011	516.D011	516.D011	516.D011
3	Insulating flange (2 pcs.)	512.D091	512.D091	512.D091	516.D042	516.D042	516.D196.2
4	Nozzle for round electrodes (5 pcs.)	516.D026	516.D026	516.D026	516.D044	516.D044	516.D044
5	Cross handle	516.D012	516.D012	516.D012	516.D012	516.D012	516.D012
6	Front part cpl.	516.D027	516.D027	516.D027	516.D041	516.D041	516.D168.1
7	Pressure spring	516.D013	516.D013	516.D013	516.D013	516.D013	516.D013
8	Cap (5 pcs.)	512.D036	512.D036	512.D036	512.D036	512.D036	512.D036
9	Insulating plate	512.D032	512.D032	512.D032 <sup>1</sup>	512.D032	512.D032 <sup>1</sup>	512.D032
10	Tube cable cpl. for 2.1 m	516.D127	516.D129	516.D156	516.D130	516.D157	-
	Tube cable cpl. for 3.0 m	516.D050	516.D018	516.D143	516.D048	516.D151	516.D197.1
11	Connection piece	516.D051	516.D022	-	516.D043	-	516.D043
12	Space ring (10 pcs.)	516.D053	516.D053	516.D053	516.D053	516.D053	516.D053
13	Inside connection	-	516.D160	516.D160	516.D161	516.D161	516.D161
14	Connection piece	516.D135	516.D158	516.D158	516.D158	516.D158	516.D158
15	Space ring (10 pcs.)	001.D170	001.D170	001.D170	001.D170	001.D170	001.D170
16	Threaded nozzle	001.D171	001.D172	001.D172	001.D172	001.D172	001.D172
17	Insulating joint	516.D134	516.D134	516.D134	516.D134	516.D134	516.D134
not ill.	Special hose for 2.1 m	516.D128	516.D131	-	516.D131	-	-
	Special hose for 3.0 m	516.D055	516.D021	-	516.D021	-	516.D021
not ill.	Flat nozzle 15/20 (5 pcs.)	516.D023	516.D023	516.D023	516.D023	516.D023	516.D023
not ill.	Flat nozzle 15/20 15 (5 pcs.)	516.D024	516.D024	516.D024	516.D024	516.D024	516.D024
not ill.	Flat nozzle 15/20 20 (5 pcs.)	516.D025	516.D025	516.D025	516.D025	516.D025	516.D025
not ill.	Flat nozzle 15/20 25 (5 pcs.)	-	-	-	516.D045	516.D045	516.D045

<sup>1</sup> K12 T and K16 T require 2 insulating plates (512.D032) each.

# Gouging torch TEAM BINZEL®

## G 3000 / G 4000

### Rugged and easy to handle ...

The TEAM BINZEL® gouging torches G 3000 and G 4000 are safe and easy to handle. They are designed to be used for gouging, weld seam preparing, gouging out of blowholes and cracks, chamfering, cutting, surface resurfacing and keyhole cutting for all common materials.

### Special features:

- Rugged and heat resistant handle
- Turnable nozzle suitable for round and flat electrodes
- High air consumption
- High flex cable
- Swivel joint



### Technical data

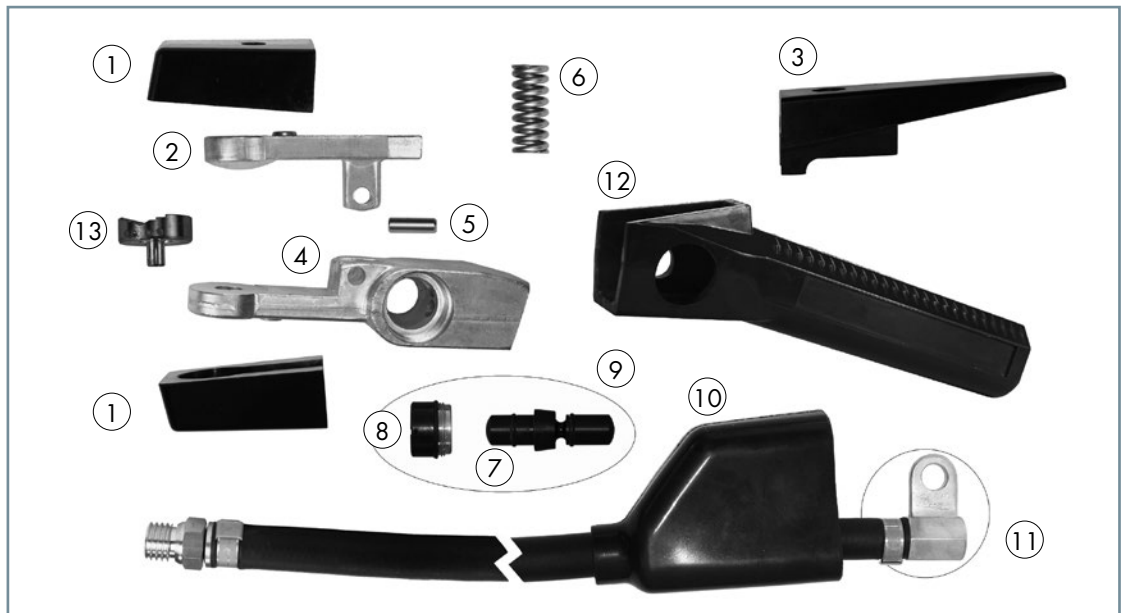
Type	Rating	Duty cycle	Nom. air pressure	Nom. volume flow	Connection air supply
G 3000	max. 600 A	60%	7 bar	approx. 0.60 m <sup>3</sup> / min.	3/8"-18 NPT
G 4000	max. 1000 A	35%	7 bar	approx. 0.70 m <sup>3</sup> / min.	3/8"-18 NPT



**Gouging torch  
TEAM BINZEL®  
G 3000**



Type	Part-No.
Gouging torch TEAM BINZEL® G 3000 (torch only)	516.0001
Gouging torch TEAM BINZEL® G 3000 cpl. with cable assembly (length = 2.1 m)	516.0002
Gouging torch TEAM BINZEL® G 3000 cpl. with cable assembly (length = 3.0 m)	516.0003
Cable assembly, length = 2.1 m	516.0004
Cable assembly, length = 3.0 m	516.0005



**Wear parts**

Pos.	Description	Part-No.
1	Insulator set (2 pcs.)	516.0006
2	Lever top part	516.0007
3	Lever	516.0008
4	Torch body	516.0009
5	Bolt	516.0010
6	Pressure spring	516.0011
7	Slider	516.0012
7	Slider with O-ring	516.0013
7	O-ring (2 pcs.)	516.0014
8	Fastening nut	516.0015
9	Valve cpl.	516.0016
10	Insulating part	516.0017
11	Connector	516.0018
12	Handle	516.0019
13	Flat nozzle	516.0020

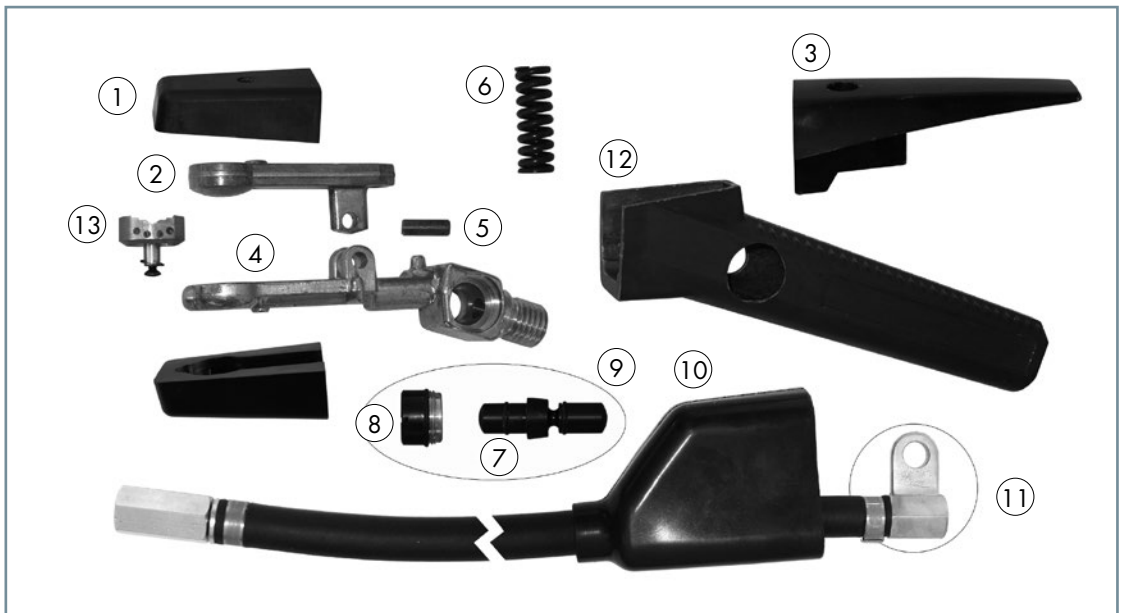
# Gouging torch TEAM BINZEL®

## G 3000 / G 4000

Gouging torch  
TEAM BINZEL®  
G 4000



Type	Part-No.
Gouging torch TEAM BINZEL® G 4000 (torch only)	516.0022
Gouging torch TEAM BINZEL® G 4000 cpl. with cable assembly (length = 2.1 m)	516.0023
Gouging torch TEAM BINZEL® G 4000 cpl. with cable assembly (length = 3.0 m)	516.0024
Cable assembly, length = 2.1 m	516.0025
Cable assembly, length = 3.0 m	516.0026



### Wear parts

Pos.	Description	Part-No.
1	Insulator set (2 pcs.)	516.0027
2	Lever top part	516.0028
3	Lever	516.0029
4	Torch body	516.0030
5	Bolt	516.0031
6	Pressure spring	516.0032
7	Slider	516.0012
7	Slider with O-ring	516.0013
7	O-ring (2 pcs.)	516.0014
8	Fastening nut	516.0015
9	Valve cpl.	516.0016
10	Insulating part	516.0017
11	Connector	516.0018
12	Handle	516.0033
13	Flat nozzle	516.0034

# Gouging electrodes TEAM BINZEL®

## ABIARC

### Pure efficiency

TEAM BINZEL® gouging electrodes are made of artificial graphite and have a pure copper coating. The gouging electrodes are available in the variety of shapes and diameters to meet the needs of various applications.

### Special features:

- Pure copper coated – good electric conductivity
- High density (made of artificial graphite) – high metal removal rate
- Less consumption of electrodes – cost reduction
- Constant quality – for a safe process
- High metal removal rate – effective process
- Extremely low burn back rate



### Order overview ABIARC gouging electrodes

#### ABIARC gouging electrodes (DC) pointed

Type		Ampere	Pcs.	Part-No.
4 x 305 mm	(5/32" x 12")	250	50	515.0015
5 x 305 mm	(3/16" x 12")	300	50	515.0016
6.5 x 305 mm	(1/4" x 12")	400	50	515.0017
8 x 305 mm	(5/16" x 12")	500	50	515.0018
9.5 x 305 mm	(3/8" x 12")	600	50	515.0019
13 x 355 mm	(1/2" x 14")	900	50	515.0020

#### ABIARC gouging electrodes (AC) pointed

Type		Ampere	Pcs.	Part-No.
6.5 x 305 mm	(1/4" x 12")	350	50	515.0023
13 x 355 mm	(3/8" x 12")	450	50	515.0024

#### ABIARC gouging electrodes (DC) flat

Type		Ampere	Pcs.	Part-No.
10 x 5 x 305 mm		400	50	515.0025
15 x 5 x 305 mm		550	50	515.0026

#### ABIARC gouging electrodes (DC) jointed

Type		Ampere	Pcs.	Part-No.
9.5 x 430 mm	(3/8" x 17")	600	50	515.0027
13 x 430 mm	(1/2" x 17")	1400	50	515.0028
16 x 430 mm	(5/8" x 17")	1800	50	515.0029
19 x 430 mm	(3/4" x 17")	2000	50	515.0030

### ABIARC AL: for lower emissions and best results

These new carbon electrode types, which are coated with a special aluminium alloy instead of copper, ensure lower emissions of hazardous substances such as carbon monoxide, chromium, nickel, copper and iron. In addition, ABIARC AL electrodes also reduce general smoke emissions.



#### ABIARC AL gouging electrodes (DC)

Type		Ampere	Pcs.	Part-No.
6.5 x 305 mm	(1/4" x 12")	400	50	515.0032.50
8 x 305 mm	(5/16" x 12")	500	50	515.0033.50
9.5 x 305 mm	(3/8" x 12")	600	50	515.0034.50
13 x 355 mm	(1/2" x 14")	900	50	515.0035.50

# Coolant recirculators

## CR 1000 / CR 1250

### For a "cool" welding process ...

In high amperage applications with long welding cycles air-cooled torch systems can reach their limits. This can lead to malfunctions and unnecessary downtime.

The mobile cooling units CR 1000 and CR 1250 are the ideal complement system to equip a power source designed for air-cooled welding with a liquid cooled welding torch. For a permanently "cool" welding process. The devices are characterized by their high cooling performance in a compact design and easy handling.

With a few steps the integrated flow switch<sup>1)</sup> for the permanent monitoring of the complete cooling system can be connected to the machine-side connection of the welding torch. Therefore, operation without coolant is not possible and the welding torch as well as the cooling unit are optimally protected.

- High cooling performance in a compact design is ideal for mobile use
- International quick connectors for easy, time-saving installation
- Integrated flow switch for the permanent monitoring of the complete cooling system for protection of the welding torch and the cooling unit – connection set included in delivery
- Exposed tank with coolant level indicator for convenient filling and draining of the coolant
- Overheat protection for pump and motor – for a long life
- Low-weight and sturdy carrying handles for easy transport to the job location
- Splash-proof fuse, main switch and louvers

<sup>1)</sup> Operation is also possible without flow switch.



### Technical data

Technical data	CR 1000	CR 1250
Heat exchanger	2-row	3-row
Supply voltage	115/230/400 V AC / 50/60 Hz	115/230/400 V AC / 50/60 Hz
Pump 50/60 Hz	Flow rate $Q_{max}$ 7 l/min Delivery height $H_{max}$ 35 m	Flow rate $Q_{max}$ 7 l/min Delivery height $H_{max}$ 35 m
Pump pressure	3.5 bar	3.5 bar
Cooling capacity	1000 W with H <sub>2</sub> O 750 W with BTC-15 <sup>2)</sup>	1250 W with H <sub>2</sub> O 1050 W with BTC-15 <sup>2)</sup>
Noise level at 1 m distance	67 dB (A)	67 dB (A)
Weight	14.9 kg	16.7 kg
Dimensions L / W / H	490 / 250 / 410 mm	690 / 250 / 340 mm
Tank capacity	6.0 litres	6.0 litres
Water connection	NW 5 (quick connector)	NW 5 (quick connector)

<sup>2)</sup> The coolant BTC and BTC NF of ABICOR BINZEL protects liquid cooled welding and cutting torches as well as cooling devices by their very low conductance of < 4  $\mu$ S against electrolytic corrosion and premature wear.



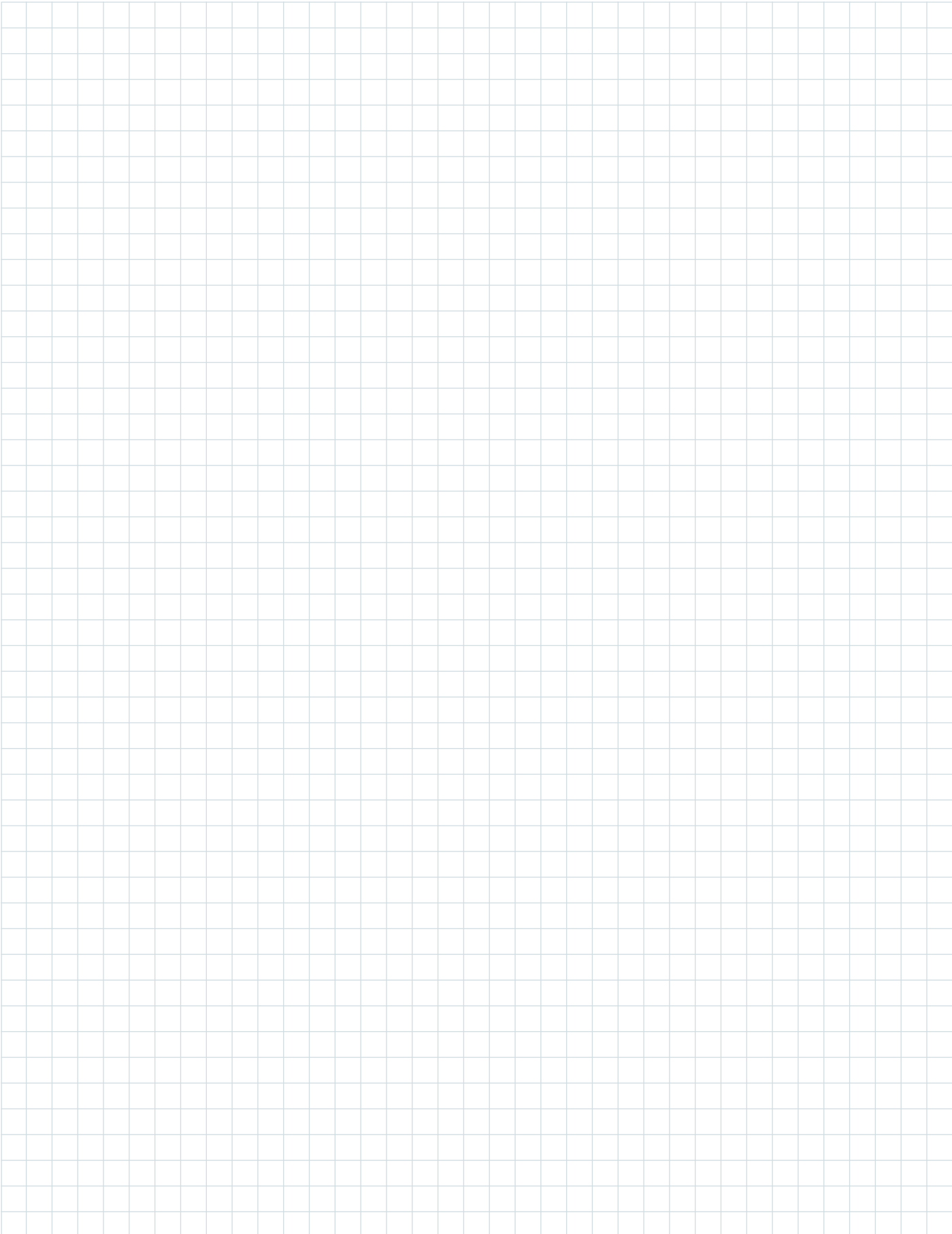
## Coolant recirculators cpl.

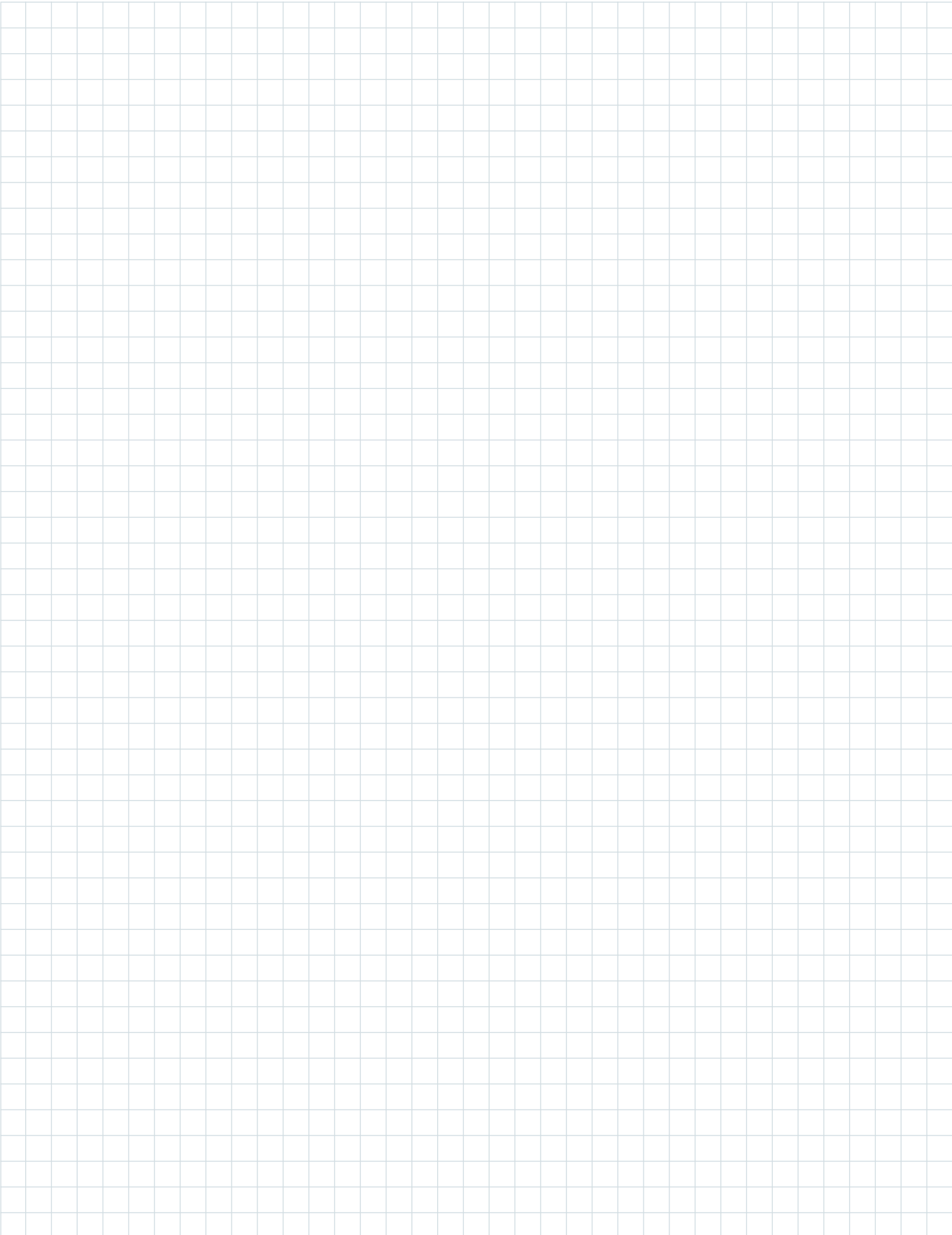
Description	Part.-No.
Coolant recirculator CR 1000 115 V	850.1002.1
Coolant recirculator CR 1000 230 V	850.1001.1
Coolant recirculator CR 1000 400 V	850.1034.1
Coolant recirculator CR 1250 115 V	850.1052.1
Coolant recirculator CR 1250 230 V	850.1051.1
Coolant recirculator CR 1250 400 V	850.1074.1

## Spare parts

Description	for	Part.-No.
Housing	CR 1000 115 V / 230 V	850.1003.1
Housing	CR 1250 115 V / 230 V	850.1053.1
Cooler double-row	CR 1000	850.1004.1
Cooler three-row	CR 1250	850.1054.1
Bottom part	CR 1000 115 V / 230 V	850.1005.1
Bottom part	CR 1250 115 V / 230 V	850.1055.1
Power cable	CR 1000/1250 115 V / 230 V	850.1006.1
Power switch	CR 1000	850.1007.1
Power switch	CR 1250	850.1056.1
Power switch	CR 1000/1250 400 V	850.1037.1
Water tank	CR 1000/1250	850.1008.1
Handle	CR 1000	850.1009.1
Handle cpl.	CR 1250	850.1057.1
Quick coupling (male)	CR 1000/1250	850.1010.2
Quick coupling (female red)	CR 1000/1250	850.1011.1
Quick coupling (female blue)	CR 1000/1250	850.1012.1
Top tank cover	CR 1000/1250	850.1013.1
Bottom tank cover with washer	CR 1000/1250	850.1014.1
Motor holder	CR 1000	850.1015.1
Motor holder	CR 1250	850.1058.1
Motor cpl. with fan	CR 1000/1250 115 V	850.1017.1
Motor cpl. with fan	CR 1000/1250 230 V	850.1016.1
Motor cpl. with fan	CR 1000/1250 400 V	850.1035.1
Fuse holder	CR 1000/1250	850.1018.1
Rubber foot	CR 1000/1250	850.1019.4
Fan vane cpl.	CR 1000/1250	850.1020.1
Screw set for housing	CR 1000	850.1021.20
Screw set for housing	CR 1250	850.1067.20
Hose set 2 m with 10 clamps	CR 1000/1250	850.1022.1
Connection nipple G1/4"	CR 1000/1250	850.1023.2
Fine-wire fuse 5 A	CR 1000/1250 115 V	850.1025.10
Fine-wire fuse 3 A	CR 1000/1250 230 V	850.1024.10
Fine-wire fuse 1 A quick acting (6.3 x 32 mm)	CR 1000/1250 400 V	850.1036.10
Control lead cpl. (flow control)	CR 1000/1250	850.1026.1
Flow control	CR 1000/1250	850.1059.1
Y-Distributor cpl.	CR 1000/1250	850.1027.2
Control socket 2-pole	CR 1000/1250	850.1060.1
Control plug 2-pole	CR 1000/1250	850.1061.1
Sealing kit for pump	CR 1000/1250	850.1072.1

# Notes





## Our product range:

### ■ MIG/MAG

- Welding torches
- Machine and special torches
- Push-Pull welding torches
- Fume extraction torches
- Central adapter system

### ■ WIG

- Welding torches
- Machine and special torches

### ■ PLASMA

- Cutting torches
- Welding torches
- Machine and special torches

### ■ Robotic Peripheral Equipment

- Robot torches  
MIG/TIG/PLASMA
- Robot mount CAT2/iCAT
- Torch change system  
ATS-Rotor
- Tool change system WWS
- Wire cutting station DAV
- Torch cleaning stations  
BRS-LC, BRS-CC and BRS-FP
- Wire feeding station APD-MF

### ■ Welding Accessories

- Coolers
- Welding cable plug and socket
- Anti spatter Spray and paste  
and so on ...



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# PLASMA CATALOG 4.1



Plasma Cutting and Welding Technology  
for all Metalworking Industries.





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# Plasma cutting torches "ABIPLAS® CUT"

## Air cooled • rating up to 70 A

Torches in the ABIPLAS® CUT series can be used for plasma cutting with compressed air as the plasma and cooling gas in all common cutting positions.

Thanks to a large selection of plasma nozzles, electrodes and accessory parts, ABICOR BINZEL plasma cutting torches are suitable for individual continual use even under the toughest of conditions. Special torches are available for automated applications.

- Robust design and optimum cooling guarantee long torch and consumable life
- Handle with extended trigger offering increased distance between plasma jet and hand facilitating safer and fatigue free working
- Quickly exchangeable consumables (including insulator) – easy handling
- Large range of consumables, equipment and accessories – for all cutting tasks

ABIPLAS® CUT 70



ABIPLAS® CUT 70 MT



### ABIPLAS® CUT 70 ABIPLAS® CUT 70 MT

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Pilot current:	15–22 A (max. 25 A)
Rating:	70 A (at 60% Duty cycle) 50 A (at 100% Duty cycle)
Type of gas:	Compressed air
Gas flow:	approx. 155 l/min.
Working pressure:	5–5.5 bar
Air value defined with nozzle size 1.1 mm:	
– Plasma air:	approx. 22 l/min.
– Soft start air:	≥ 12 l/min.
Gas post flow:	≥ 60 s
Type of ignition:	HF
Gas supply:	Compressed air both for plasma and cooling gas
Ignition voltage:	7 kV
Cutting thickness:	max. 25 mm at 70 A depending on material to be cut and power source

Torch complete	Connector	Part-No. 6 m <sup>1</sup>
ABIPLAS® CUT 70	Single connector G1/4"	742.D004
ABIPLAS® CUT 70	Central connector <sup>2</sup>	742.D037
ABIPLAS® CUT 70 MT	Single connector G1/4"	742.D110
ABIPLAS® CUT 70 MT	Central connector <sup>2</sup>	742.D111

Torch body	Part-No.
ABIPLAS® CUT 70	742.D022
ABIPLAS® CUT 70	742.D022
ABIPLAS® CUT 70 MT	742.D109
ABIPLAS® CUT 70 MT	742.D109















<sup>1</sup> Other lengths on request.

<sup>2</sup> For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.



# ABIPLAS® CUT 70, ABIPLAS® CUT 70 MT

## Wear parts

<b>Insulator</b> (2 pcs.)					
		742.D012			
<b>Electrode</b>		<b>Standard</b> (10 pcs.)		<b>long</b> (5 pcs.)	
					
		742.D056		742.D057	
<b>Swirl ring</b> (2 pcs.)					
		742.D073			
<b>Nozzle</b>		<b>Standard</b> (10 pcs.)	<b>Standard cross groove</b> (10 pcs.)	<b>long</b> (5 pcs.)	<b>long cross groove</b> (5 pcs.)
					
Ø 0.9 mm / 30 A		742.D008	742.D027	742.D014	742.D029
Ø 1.1 mm / 30-50 A		-	-	742.D038	-
Ø 1.1 mm / 30-60 A		742.D018	742.D028	-	-
Ø 1.2 mm / 50-70 A		742.D041	-	-	-
<b>Shield cap</b> (1 pc.)					
		742.D078			
<b>Spatter guard</b> (1 pc.)					
		742.D113			
<b>Distance holder<sup>1</sup></b> (2 pcs.)		 Distance spring			
		742.D010	-	-	-
<b>Distance holder<sup>1</sup></b> (1 pc.)		 Bevel cutting nozzle			
		742.D114	-	-	-
<b>Distance holder<sup>1</sup></b> (1 pc.)		 Castellated nozzle long			
		-	-	742.D060	-
<b>Distance holder<sup>1</sup></b> (2 pcs.)		 Perforation cap			
		742.D063	-	-	-

<sup>1</sup> Only for manual torches.

# Plasma cutting torches "ABIPLAS® CUT"

## Air cooled • rating up to 110 A

- Robust design and optimum cooling guarantee long torch and consumable life
- Handle with extended trigger offering increased distance between plasma jet and hand facilitating safer and fatigue free working
- Quickly exchangeable consumables (including insulator) – easy handling
- Large range of consumables, equipment and accessories – for all cutting tasks

ABIPLAS® CUT 110



ABIPLAS® CUT 110 MT



### ABIPLAS® CUT 110 ABIPLAS® CUT 110 MT

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Pilot current:	15-25 A (max. 27 A)
Rating:	110 A (at 60% Duty cycle) 90 A (at 100% Duty cycle)
Type of gas:	Compressed air
Gas flow:	approx. 180 l/min.
Working pressure:	5-5.5 bar
Air value defined with nozzle size 1.4 mm:	
– Plasma air:	approx. 30 l/min.
– Soft start air:	≥ 15 l/min.
Gas post flow:	≥ 60 s
Type of ignition:	HF
Gas supply:	Compressed air both for plasma and cooling gas
Ignition voltage:	7 kV
Cutting thickness:	max. 40 mm at 110 A depending on material to be cut and power source

Torch complete		Part-No.
Type	Connector	6 m <sup>1</sup>
ABIPLAS® CUT 110	Single connector G1/4"	745.D001
ABIPLAS® CUT 110	Central connector <sup>2</sup>	745.D048
ABIPLAS® CUT 110 MT	Single connector G1/4"	745.D035
ABIPLAS® CUT 110 MT	Central connector <sup>2</sup>	745.D059

Torch body		Part-No.
Type		
ABIPLAS® CUT 110		745.D025
ABIPLAS® CUT 110		745.D025
ABIPLAS® CUT 110 MT		745.D051
ABIPLAS® CUT 110 MT		745.D051

<sup>1</sup> Other lengths on request.

<sup>2</sup> For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.





# ABIPLAS® CUT 110, ABIPLAS® CUT 110 MT


## Wear parts

<b>Insulator</b> (1 pc.)		745.D020
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<b>Electrode</b> (5 pcs.)	 <b>Standard</b>	745.D008	 <b>long</b>	745.D016
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<b>Swirl ring</b> (2 pcs.)		745.D113
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<b>Nozzle</b> (5 pcs.)	 <b>Standard</b>	 <b>Gouging nozzle</b>	 <b>long</b>	 <b>long cross groove</b>
Ø 1.0 mm / 30-50 A	745.D018	-	-	-
Ø 1.2 mm / 40-70 A	745.D010	-	-	-
Ø 1.2 mm / 50 A	-	-	745.D066	745.D068
Ø 1.4 mm / 70-90 A	745.D017	-	-	-
Ø 1.6 mm / 90-110 A	745.D065	-	-	-
Gouging nozzle	-	745.D067	-	-

<b>Shield cap</b> (1 pc.)		745.D204
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<b>Spatter guard</b> (1 pc.)		757.D092
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<b>Distance holder<sup>1</sup></b> (2 pcs.)	 Distance spring	745.D012	-	-	-
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<b>Distance holder<sup>1</sup></b> (1 pc.)	 Bevel cutting nozzle	757.D090	-	-	-
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<b>Distance holder<sup>1</sup></b> (1 pc.)	 Perforation cap	757.D098	-	-	-
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<sup>1</sup> Only for manual torches.

# Plasma cutting torches "ABIPLAS® CUT"

## Air cooled • rating up to 150 A

- Robust design and optimum cooling guarantee long torch and consumable life
- Handle with extended trigger offering increased distance between plasma jet and hand facilitating safer and fatigue free working
- Quickly exchangeable consumables (including insulator) – easy handling
- Large range of consumables, equipment and accessories – for all cutting tasks

ABIPLAS® CUT 150



ABIPLAS® CUT 150 MT

### ABIPLAS® CUT 150 ABIPLAS® CUT 150 MT

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Pilot current:	15–27 A (max. 29 A)
Rating:	150 A (at 60% Duty cycle) 120 A (at 100% Duty cycle)
Type of gas:	Compressed air
Gas flow:	approx. 235 l/min.
Working pressure:	5–5.5 bar
Air value defined with nozzle size 1.8 mm:	
– Plasma air:	approx. 39 l/min.
– Soft start air:	≥ 15 l/min.
Gas post flow:	≥ 60 s
Type of ignition:	HF
Gas supply:	Compressed air both for plasma and cooling gas
Ignition voltage:	7 kV
Cutting thickness:	max. 55 mm at 150 A depending on material to be cut and power source

Torch complete		Part-No.
Type	Connector	6 m <sup>1</sup>
ABIPLAS® CUT 150	Single connector G1/4"	757.D001
ABIPLAS® CUT 150	Central connector <sup>2</sup>	757.D023
ABIPLAS® CUT 150 MT	Single connector G1/4"	757.D029
ABIPLAS® CUT 150 MT	Central connector <sup>2</sup>	757.D033

Torch body		Part-No.
Type		
ABIPLAS® CUT 150		757.D020
ABIPLAS® CUT 150		757.D020
ABIPLAS® CUT 150 MT		757.D028
ABIPLAS® CUT 150 MT		757.D028

<sup>1</sup> Other lengths on request.

<sup>2</sup> For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.




# ABIPLAS® CUT 150, ABIPLAS® CUT 150 MT

## Wear parts

			
<b>Insulator</b> (1 pc.)		757.D032	


			
<b>Electrode</b> (5 pcs.)	<b>Standard</b>	<b>long</b>	
	757.D008	757.D017	


			
<b>Swirl ring</b> (2 pcs.)		757.D060	


			
<b>Nozzle</b> (5 pcs.)	<b>Standard</b>	<b>Gouging nozzle</b>	<b>long cross groove</b>
Ø 1.2 mm / 50 A	-	-	757.D016
Ø 1.2 mm / 70 A	757.D037	-	-
Ø 1.5 mm / 70-90 A	757.D009	-	-
Ø 1.6 mm / 90-120 A	757.D010	-	-
Ø 1.8 mm / 120-150 A	757.D011	-	-
Gouging nozzle	-	757.D015	-

			
<b>Shield cap</b> (1 pc.)		757.D091	

			
<b>Spatter guard</b> (1 pc.)		757.D092	

		Distance spring	
<b>Distance holder<sup>1</sup></b> (2 pcs.)			
	745.D012	-	-

		Bevel cutting nozzle	
<b>Distance holder<sup>1</sup></b> (1 pc.)			
	757.D090	-	-

		Perforation cap	
<b>Distance holder<sup>1</sup></b> (1 pc.)			
	757.D098	-	-

<sup>1</sup> Only for manual torches.

# Plasma cutting torches "ABIPLAS® CUT"

## Liquid cooled • rating up to 200 A

A striking design featuring innovative technology – ABIPLAS® CUT 200 W the liquid cooled plasma cutting torch from ABICOR BINZEL (in manual or robotic compatible version).

Directly cooled, long-life electrodes, extended life nozzles and straightforward construction with only a few easily replaceable wear-parts. These are just some of the "cutting edge" highlights of this product.

Highly efficient, superb cutting performance and flexibility for best results in daily use.



### ABIPLAS® CUT 200 W ABIPLAS® CUT 200 W MT

#### Wear parts standard / special

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Pilot current:	15–27 A (max. 29 A)
Rating:	200 A / 160 A (at 100% Duty cycle)
Type of gas:	Compressed air
Working pressure:	3.5–4.5 bar / 3.5 bar
Air value defined with nozzle size 1.8 mm:	
– Plasma air:	approx. 39 l/min. / approx. 21 l/min.
– Soft start air:	≥ 15 l/min.
Gas post flow:	≥ 20 s
Type of ignition:	HF
Gas supply:	Compressed air for plas- ma gas
Ignition voltage:	7 kV
Cutting thickness:	max. 70 mm at 200 A / max. 60 mm at 160 A depending on material to be cut and power source

Torch complete (Wear parts standard)		Part-No.	
Type	Connector	6 m	12 m
ABIPLAS® CUT 200 W	Single connector	758.0050	758.0062
ABIPLAS® CUT 200 W MT	Single connector	758.1012	758.1019
ABIPLAS® CUT 200 W	Central connector <sup>1</sup>	758.0054	758.0063
ABIPLAS® CUT 200 W MT	Central connector <sup>1</sup>	758.1015	758.1020














Torch body		Part-No.
Type		Part-No.
ABIPLAS® CUT 200 W		758.0060
ABIPLAS® CUT 200 W MT		758.1016
ABIPLAS® CUT 200 W		758.0060
ABIPLAS® CUT 200 W MT		758.1016

Torch complete (Wear parts special)		Part-No.	
Type	Connector	6 m	12 m
ABIPLAS® CUT 200 W	Single connector	758.0052	758.0064
ABIPLAS® CUT 200 W MT	Single connector	758.1014	758.1021
ABIPLAS® CUT 200 W	Central connector <sup>1</sup>	758.0061	-
ABIPLAS® CUT 200 W MT	Central connector <sup>1</sup>	758.1018	758.1022

<sup>1</sup> For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.

# ABIPLAS® CUT 200 W, ABIPLAS® CUT 200 W MT

## Wear parts

			
<b>Insulator</b> (1 pc.)	757.D032		
			
<b>Electrode</b> (10 pcs.)	<b>Standard</b> 758.0030		<b>Special<sup>1</sup></b> 758.0031
			
<b>Swirl ring</b> (2 pcs.)	<b>Standard</b> 757.D060		<b>Special<sup>1</sup></b> 758.0028
			
<b>Nozzle</b>	<b>Standard</b> (10 pcs.)	<b>Gouging nozzle<sup>2</sup></b> (1 pc.)	<b>Special<sup>1</sup></b> (10 pcs.)
Ø 1.0 mm / 40 A	758.0085	-	-
Ø 1.2 mm / 40-70 A	758.0035	-	758.0040
Ø 1.4 mm / 70-90 A	758.0036	-	758.0041
Ø 1.6 mm / 90-120 A	758.0037	-	758.0042
Ø 1.8 mm / 120-160 A	758.0038	-	758.0043
Ø 2.0 mm / 160-200 A	758.0039	-	758.0044
Gouging nozzle	-	758.0073	-
			
<b>Shield cap</b> (1 pc.)	758.0020		
			
<b>Spatter guard</b> (10 pcs.)	758.0026		
			
<b>Distance holder</b> (1 pc.)	<b>Perforation cap</b> 758.0070	<b>Bevel cutting nozzle<sup>3</sup></b> 758.0027	<b>Castellated nozzle</b> 758.0069

<sup>1</sup> The "special" version is for plasma systems without a soft start, as well as for systems where the torch has ignition problems with the "standard version".

<sup>2</sup> Max. 150 A, it is used instead of the nozzle standard without distance holder.

<sup>3</sup> The bevel cutting nozzle is used for the MT-version only as adjustment aid.

# Plasma cutting torches "ABICUT"

## Air cooled • rating up to 40 A

Air cooled Plasma Cutting Torches ABICUT are particularly suitable for plasma cutting applications in the range of 20 to 75 Amps in all cutting positions. Robust in construction, innovative in design.

- Ergonomic designed, short handle - optimal handling
- Innovative trigger guard - for safe operating

- Positive trigger action - comfortable functioning
- Robust construction and optimal cooling - long lifetime of torch and wear parts
- Contact ignition reduces costs for thermal cutting
- Compatible with all popular plasma cutting power sources

ABICUT 25K

ABICUT 45

### ABICUT 25K

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Pilot current:	10-15 A (max. 18 A)
Rating:	20 A (at 35% Duty cycle)
Type of gas:	Compressed air
Gas flow:	approx. 29 l/min.
Working pressure:	2 bar
Air valve defined with nozzle size 0.65 mm:	
- Plasma air:	approx. 8.5 l/min.
Gas post flow:	≥ 60 s
Type of ignition:	Contact
Gas supply:	Compressed air both for plasma and cooling gas
Cutting thickness:	6 mm at 20 A depending on material to be cut and power source

### ABICUT 45

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Pilot current:	10-15 A (max. 18 A)
Rating:	40 A (at 60% Duty cycle)
Type of gas:	Compressed air
Gas flow:	approx. 119 l/min.
Working pressure:	5 bar
Air valve defined with nozzle size 0.8 mm:	
- Plasma air:	approx. 15.5 l/min.
Gas post flow:	≥ 60 s
Type of ignition:	Contact
Gas supply:	Compressed air both for plasma and cooling gas
Cutting thickness:	10 mm at 40 A depending on material to be cut and power source

Torch complete		Part-No.	
Type	Connector	4 m	6 m
ABICUT 25K (2-core)	Single connector	748.0054.1	-
ABICUT 25K (4-core)	Single connector	748.0047.1	-
ABICUT 45	Single connector G1/4"	-	748.0046.1
ABICUT 45	Central connector <sup>1</sup>	-	748.0056.1

Torch body		Part-No.
Type		
ABICUT 25K / 45		748.0020.1
ABICUT 25K / 45		748.0020.1
ABICUT 25K / 45		748.0020.1
ABICUT 25K / 45		748.0020.1

<sup>1</sup> For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.



# ABICUT 25K, ABICUT 45

## Wear parts

### ABICUT 25K

### ABICUT 45

Electrode (10 pcs.)	ABICUT 25K		ABICUT 45	
	Standard	long	Standard	long
	748.0032.10	748.0048.10	748.0032.10	748.0048.10

Swirl ring (2 pcs.)	ABICUT 25K		ABICUT 45	
		748.0033.2		748.0033.2

Nozzle (10 pcs.)	ABICUT 25K		ABICUT 45	
	Standard	long with cross groove	Standard	long with cross groove
Ø 0.65 mm / 20-25 A	748.0034.10	-	748.0034.10	-
Ø 0.80 mm / 20-40 A	748.0035.10	-	748.0035.10	-
Ø 0.90 mm / 20-40 A	-	748.0049.10	-	748.0049.10
Ø 1.00 mm / 30-40 A	748.0061.10	-	748.0061.10	-

Shield cap (2 pcs.)	ABICUT 25K		ABICUT 45	
	25 A (2-hole)	748.0042.2		-
30 A (3-hole)	748.0063.2		-	
35 A (4-hole)	748.0052.2		-	
45 A (6-hole)	-		748.0043.2	

Distance spring (5 pcs.)	ABICUT 25K		ABICUT 45	
		748.0050.5	-	748.0050.5

Multiple spanner (1 pc.)	ABICUT 25K		ABICUT 45	
		748.0059.1		

# Plasma cutting torches "ABICUT"

## Air cooled • rating up to 75 A

- Ergonomic designed, short handle – optimal handling
- Innovative trigger guard – for safe operating
- Positive trigger action – comfortable functioning
- Robust construction and optimal cooling – long lifetime of torch and wear parts
- Contact ignition reduces costs for thermal cutting
- Compatible with all popular plasma cutting power sources
- Shock resistant shield cap from special material
- Two stage distance shield for best cutting results in high and low amp area
- Optional with coaxial cable
- Optional in HF version



### ABICUT 75 ABICUT 75 HF ABICUT 75 Coaxial cable ABICUT 75 HF Coaxial cable

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Pilot current:	15-22 A (max. 25 A)
Rating:	75 A (at 60% Duty cycle)
Type of gas:	Compressed air
Gas flow:	approx. 135 l/min.
Working pressure:	5-5.5 bar
Air valve defined with nozzle size 1.2 mm:	
– Plasma air:	approx. 25 l/min.
– Soft start air:	≥ 12 l/min.
Gas post flow:	≥ 60 s
Type of ignition:	Contact / HF
Gas supply:	Compressed air both for plasma and cooling gas
Ignition voltage:	7 kV (HF)
Cutting thickness:	20 mm at 75 A depending on material to be cut and power source

Torch complete		Part-No.
Type	Connector <sup>1</sup>	6 m
ABICUT 75	Single connector G1/4"	748.0124.1
ABICUT 75	Central connector <sup>2</sup>	748.0130.1
ABICUT 75 HF	Single connector G1/4"	748.0125.1
ABICUT 75 HF	Central connector <sup>2</sup>	748.0131.1
ABICUT 75 Coaxial cable	Central connector <sup>2</sup>	748.0132.1
ABICUT 75 HF Coaxial cable	Central connector <sup>2</sup>	748.0133.1

Torch body	
Type	Part-No.
ABICUT 75	748.0100.1
ABICUT 75	748.0100.1
ABICUT 75 HF	748.0100.1
ABICUT 75 HF	748.0100.1
ABICUT 75 Coaxial cable	748.0100.1
ABICUT 75 HF Coaxial cable	748.0100.1

<sup>1</sup> Other machine side connections on request.

















<sup>2</sup> For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.

# ABICUT 75

## Wear parts

### Standard

### HF version

			
<b>Cooling tube</b> (2 pcs.)	<b>Standard</b> 748.0116.2	<b>Standard</b> 748.0116.2	<b>long</b> 748.0129.2
			
<b>Electrode</b> (10 pcs.)	<b>Standard</b> 748.0118.10	<b>Standard</b> 748.0118.10	<b>long</b> 748.0128.10
			
<b>Swirl ring</b> (2 pcs.)	748.0108.2	748.0117.2	
			
<b>Nozzle</b> (10 pcs.)	<b>Standard</b>	<b>Standard</b>	<b>long</b>
Ø 1.0 mm / up to 55 A	748.0119.10	748.0119.10	-
Ø 1.2 mm / up to 75 A	748.0120.10	748.0120.10	-
Ø 1.0 mm / up to 50 A	-	-	748.0121.10
Ø 1.2 mm / up to 70 A	-	-	748.0122.10
			
<b>Pressure spring</b> (5 pcs.)	748.0107.5	-	
			
<b>Shield cap</b> (2 pcs.)		748.0112.2	
			
<b>Distance spring</b> (5 pcs.)	748.0115.5		-
			
<b>Distance shield</b> (2 pcs.)	748.0127.2		-
			
<b>Multiple spanner</b> (1 pc.)		748.0059.1	

# Plasma welding torches "ABIPLAS® WELD"

## Liquid cooled

ABIPLAS® WELD the plasma welding torch generation, economical and efficient, from ABICOR BINZEL. Thanks to their compact design ABIPLAS® WELD torches improve accessibility even on difficult component geometries. The very stable process permits spatter free welding and brazing, with high quality joint characteristics. Suitable for both manual and machine welding.



ABIPLAS® WELD 100 W

ABIPLAS® WELD 150 W



ABIPLAS® WELD  
100 W MT

ABIPLAS® WELD  
150 W MT

### ABIPLAS® WELD 100 W ABIPLAS® WELD 100 W MT

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Welding current:	3-100 A
Duty cycle:	100%
Welding speed:	Vs up to 1.5 m/min.
Nozzle diameter:	0.8-3.6 mm
Required cooling capacity:	1.1 KW

### ABIPLAS® WELD 150 W ABIPLAS® WELD 150 W MT

#### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Welding current:	15-150 A
Duty cycle:	100%
Welding speed:	Vs bis 4.0 m/min.
Nozzle diameter:	1.2-3.0 mm
Required cooling capacity:	1.5 KW

Torch complete Type	Connector <sup>1</sup>	Part-No.	
		4 m	8 m
ABIPLAS® WELD 100 W	Central connector	698.0075	698.0085
ABIPLAS® WELD 100 W MT 70	Central connector	698.1010	-
ABIPLAS® WELD 100 W MT	Central connector	698.1013	698.1014
ABIPLAS® WELD 150 W	Central connector	698.2023	698.2024
ABIPLAS® WELD 150 W MT 70	Central connector	698.3009	698.3010
ABIPLAS® WELD 150 W MT	Central connector	698.3011	698.3012

Torch body Type	Part-No.
ABIPLAS® WELD 100 W	698.0001
ABIPLAS® WELD 100 W MT 70	698.0134
ABIPLAS® WELD 100 W MT	698.1001
ABIPLAS® WELD 150 W	698.2001
ABIPLAS® WELD 150 W MT 70	698.2080
ABIPLAS® WELD 150 W MT	698.3001

<sup>1</sup> Other versions (single or central adaptor) available on request.

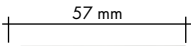
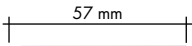
# ABIPLAS® WELD 100 W / MT, ABIPLAS® WELD 150 W / MT



## Wear parts

### ABIPLAS® WELD 100 W / MT





### ABIPLAS® WELD 150 W / MT

		
<b>Torch cap</b> (1 pc.)		
Ø 1.0 mm	698.0058	-
Ø 1.6 mm	698.0059	698.2033
Ø 2.4 mm	698.0016	698.2030
Ø 3.2 mm	698.0027	698.2012

		
<b>Tungsten electrode</b> (10 pcs.)		
Ø 1.0 mm	698.0064	-
Ø 1.6 mm	698.0065	698.0065
Ø 2.4 mm	698.0066	698.0066
Ø 3.2 mm	698.0067	698.0067

		
<b>Centering ceramic</b>	(10 pcs.)	(1 pc.)
Ø 1.0 mm	698.0054	-
Ø 1.6 mm	698.0055	698.2035
Ø 2.4 mm	699.0081	698.2032
Ø 3.2 mm	698.0029	698.2020

		
<b>Insulating ring</b> (10 pcs.)		
	698.0048	699.0041

				
<b>Nozzle</b>	(10 pcs.)	(10 pcs.)	(10 pcs.)	(5 pcs.)
Ø 0.8 mm	698.0060	698.0077	-	-
Ø 1.2 mm	698.0061	698.0078	698.2036	-
Ø 1.4 mm	-	-	698.2037	-
Ø 1.6 mm	-	-	698.2038	698.2057
Ø 1.7 mm	698.0062	698.0079	-	-
Ø 1.8 mm	-	-	698.2014	-
Ø 2.0 mm	-	-	698.2015	698.2058
Ø 2.3 mm	698.0019	698.0080	698.2016	-
Ø 2.6 mm	698.0063	698.0081	698.2017	698.2059
Ø 3.0 mm	698.0030	-	698.2018	-
Ø 3.6 mm	698.0053	-	698.2086	-
Ø 4.0 mm	-	-	698.2082	-

		
<b>Gas diffuser</b> (2 pcs.)		
	698.0012.2	698.2009.2

					
<b>Shielding gas nozzle</b> (10 pcs.)					
	698.0015	698.0082	699.0071	698.2087.10	698.2060

				
<b>Adjust gauge</b> (1 pc.)				
	698.0018	698.0083	698.2019	698.2062

# Cable assembly components and cable assemblies

## I. Cable assembly components Plasma Cutting Torches air cooled

Type	Power cable		Pilot cable 1 pole	Control cable per 100 m	
	4 m	6 m	per 100 m	2 pole	3 pole
ABIPLAS® CUT 70	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 70 MT	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 110	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 110 MT	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 150	-	116.D004	100.0074	-	100.0100
ABIPLAS® CUT 150 MT	-	116.D004	100.0074	-	100.0100
PSB 31 KZS/KKS	116.0470	116.0472	-	100.0099	-
PSB 31 HFS	116.0470	116.0472	100.0074	100.0099	-
PSB 60 S	116.0592	116.0299	100.0074	100.0099	-
PSB 121 S	-	116.0098	100.0074	100.0099	-
AUT PSB 121 L	-	116.0106	100.0074	-	-

## II. Cable assemblies Plasma Cutting Torches air cooled

Type	Description	4 m		6 m	
				Single connector	Central connector
ABICUT 25K	4-core	748.0045.1	-	-	-
ABICUT 25K	2-core	748.0055.1	-	-	-
ABICUT 45		-	748.0044.1	748.0057.1	
ABICUT 75	Standard / HF	-	748.0123.1	748.0123.1	
ABICUT 75	Coaxial cable / Standard / HF	-	-	748.0134.1	

## III. Cable assembly components Plasma Cutting Torches liquid cooled

Type	Power cable SC		Power cable CC		Pilot cable 1 pole per 100 m	Control cable 2 pole per 100 m
	6 m	12 m	6 m	12 m		
ABIPLAS® CUT 200 W	115.0520	115.0525	115.0522	115.0526	100.0074	100.0099
ABIPLAS® CUT 200 W MT	115.0520	115.0525	115.0522	115.0526	100.0074	100.0099

## IV. Cable assembly components Plasma Welding Torches liquid cooled

Type	Power cable 1		Power cable 2		Pilot cable 1 pole per 100 m	Control cable 7 pole per 100 m
	4 m	8 m	4 m	8 m		
ABIPLAS® WELD 100 W	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD 100 W MT	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD 150 W	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD 150 W MT	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112

# Hoses and hose clamps

## V. Gas hoses, Water hoses and Outer hoses

Type	Gas hose	Water hose (feed)	Water hose (return)	Outer hose	
	per 100 m	per 100 m	per 100 m	6 m	40/60 m
ABIPLAS® CUT 70	-	-	-	107.D004 <sup>1</sup>	-
ABIPLAS® CUT 70 MT	-	-	-	107.D004 <sup>1</sup>	-
ABIPLAS® CUT 110	-	-	-	107.D004 <sup>1</sup>	-
ABIPLAS® CUT 110 MT	-	-	-	107.D004 <sup>1</sup>	-
ABIPLAS® CUT 150	-	-	-	107.D005 <sup>1</sup>	-
ABIPLAS® CUT 150 MT	-	-	-	107.D005 <sup>1</sup>	-
ABIPLAS® CUT 200 W	109.0032	109.0057	109.0056	-	107.0004 <sup>2</sup>
ABIPLAS® CUT 200 W MT	109.0032	109.0057	109.0056	-	107.0004 <sup>2</sup>
PSB 31 KZS/KKS	-	-	-	-	110.0018 <sup>3</sup>
PSB 31 HFS	-	-	-	-	110.0018 <sup>3</sup>
PSB 60 S	-	-	-	-	105.0005 <sup>2</sup>
PSB 121 S	109.0039	-	-	-	105.0005 <sup>2</sup>
AUT PSB 121 L	102.0124	-	-	-	105.0005 <sup>2</sup>
ABIPLAS® WELD 100 W	109.0055	109.0011	109.0011	-	105.0005 <sup>2</sup>
ABIPLAS® WELD 100 W MT	109.0055	109.0011	109.0011	-	105.0005 <sup>2</sup>
ABIPLAS® WELD 150 W	109.0055	109.0011	109.0011	-	105.0005 <sup>2</sup>
ABIPLAS® WELD 150 W MT	109.0055	109.0011	109.0011	-	105.0005 <sup>2</sup>

<sup>1</sup> Only for single connection. Central connection on request.

<sup>2</sup> per 40 m

<sup>3</sup> per 60 m

## VI. Leather hoses and hose coupling

Type	Description	Part-No.
ABIPLAS® WELD 100 W	Leather hose 0.8 m	108.0028
ABIPLAS® WELD 150 W		
ABIPLAS® WELD 100 W	Hose coupling complete for connecting leather and outer hose	400.0391
ABIPLAS® WELD 150 W		

## VII. Hose clamps

Type	Part-No. (100 pcs.)	for hose					
		102.0124	109.0011	109.0032	109.0055	109.0056	109.0057
Hose clamp Ø=9.0 with ring (mark. 9.5)	173.0001	•		•		•	•
Hose clamp Ø=6.2 with ring (mark. 6.6)	173.0006				•		
Hose clamp Ø=7.5 with ring (mark. 8.0)	173.0007		•				
Hose clamp Ø=5.7 with ring (mark. 6.1)	173.0008				•		

# Handles, handle tubes, torch carriage and condensate filter

## VIII. Handles, Control modules, Trigger, Switch guard and ball and socket joint / Sleeve

Type	Handle	Control module Up/Down	Trigger	Switch guard	Ball and socket joint / Sleeve
ABIPLAS® CUT 70	745.D046	-	185.D065	400.D252	-
ABIPLAS® CUT 110	745.D046	-	185.D065	400.D252	-
ABIPLAS® CUT 150	757.D003	-	185.D065	400.D252	-
ABIPLAS® CUT 200 W	758.D001	-	185.D039	-	-
PSB 31 KZS / KKS	742.0044	-	185.0010	-	002.0064
PSB 31 HFS	742.0044	-	185.0010	-	742.0185
PSB 60 S	743.0038	-	-	-	-
PSB 121 S	743.0038	-	-	-	-
ABIPLAS® WELD 100 W	180.0146.1	400.1279.1	-	-	400.0991
ABIPLAS® WELD 150 W	180.0146.1	400.1279.1	-	-	400.0991
ABICUT 25K	748.0053.1	-	185.0005	-	-
ABICUT 45	748.0053.1	-	185.0005	-	-
ABICUT 75	748.0053.1	-	185.0005	-	-

## IX. Handle tubes, Adaptors, Coupling nut, Cable support spring and Mounting

Type	Handle tube	Adaptor for handle tube	Cable support spring	Mounting cpl.
ABIPLAS® CUT 70 MT	757.D087	500.D049	-	757.D089
ABIPLAS® CUT 110 MT	757.D087	500.D049	-	757.D089
ABIPLAS® CUT 150 MT	757.D087	400.0137	-	757.D089
ABIPLAS® CUT 200 W MT	758.1008	-	-	780.0260
AUT PSB 121 L	743.0211	-	-	-
ABIPLAS® WELD 100 W MT	698.1017	-	775.1341	780.0222
ABIPLAS® WELD 150 W MT	698.1017	-	775.1341	780.0222
ABIPLAS® WELD 100 W MT 70	698.1017	-	775.1341	780.0222
ABIPLAS® WELD 150 W MT 70	698.1017	-	775.1341	780.0222

## X. Torch carriage

Type	Torch carriage	Torch carriage	Extension cpl.		Extension arm holder	
			250 mm	440 mm	Centre pin	Thread
PSB 31	-	742.0187	-	743.0346	743.0342	743.0343
PSB 60 S / PSB 121 S with spring support	-	742.0027	-	743.0346	743.0342	743.0343
ABICUT 25K / 45	742.D121.1	742.D043 <sup>1</sup>	742.D052	-	743.0342	-
ABIPLAS® CUT 70	742.D051	742.D043	742.D052	-	743.0342	-
ABIPLAS® CUT 110	745.D079	745.D070	742.D052	-	743.0342	-
ABIPLAS® CUT 150	745.D079	745.D070	742.D052	-	743.0342	-
ABIPLAS® CUT 200 W	758.0055	758.0056	742.D052	-	743.0342	-

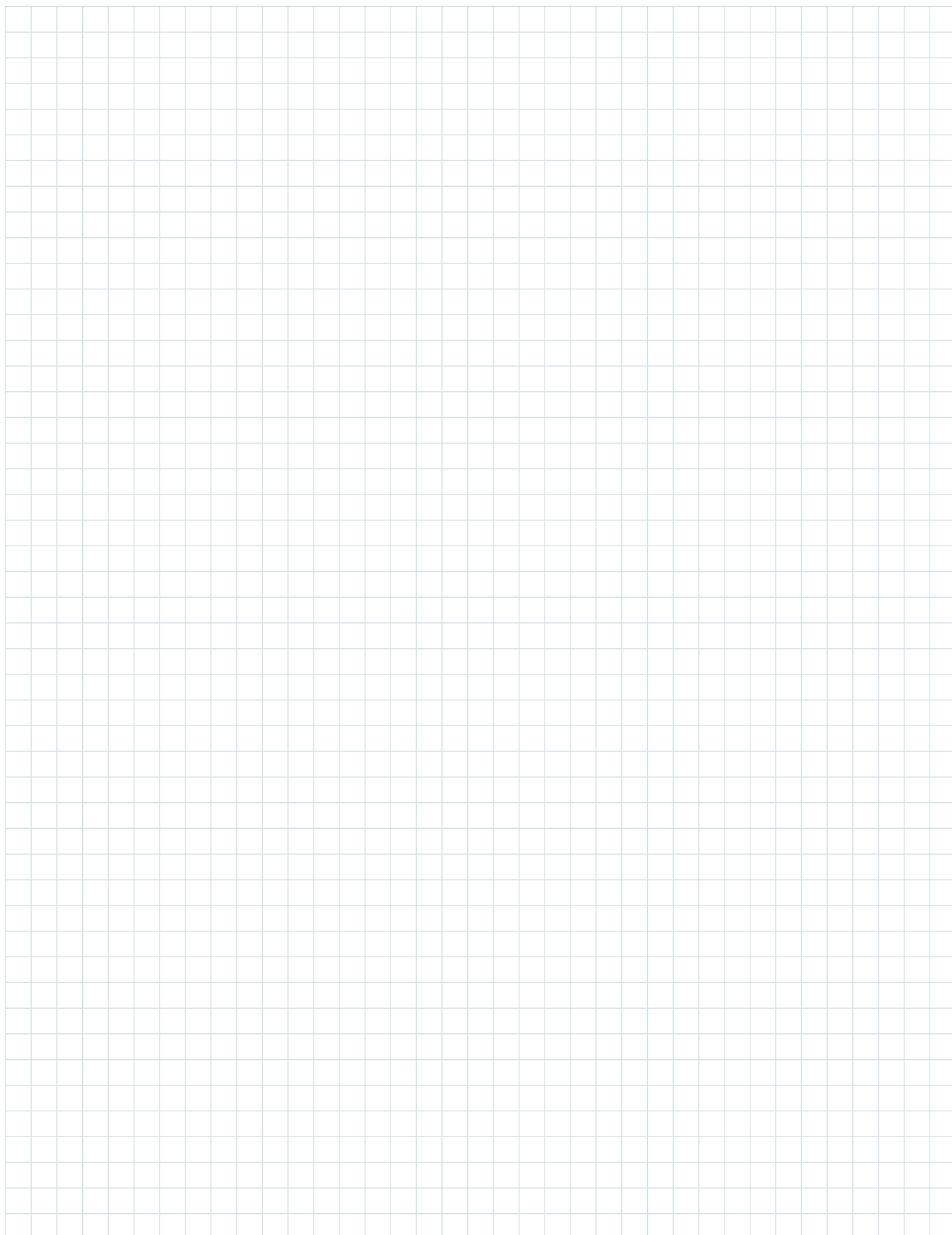
<sup>1</sup> For ABICUT 25K / 45 the torch carriage 742.D043 requires an adaptor ring 742.D122.1.

## XI. Condensate filter

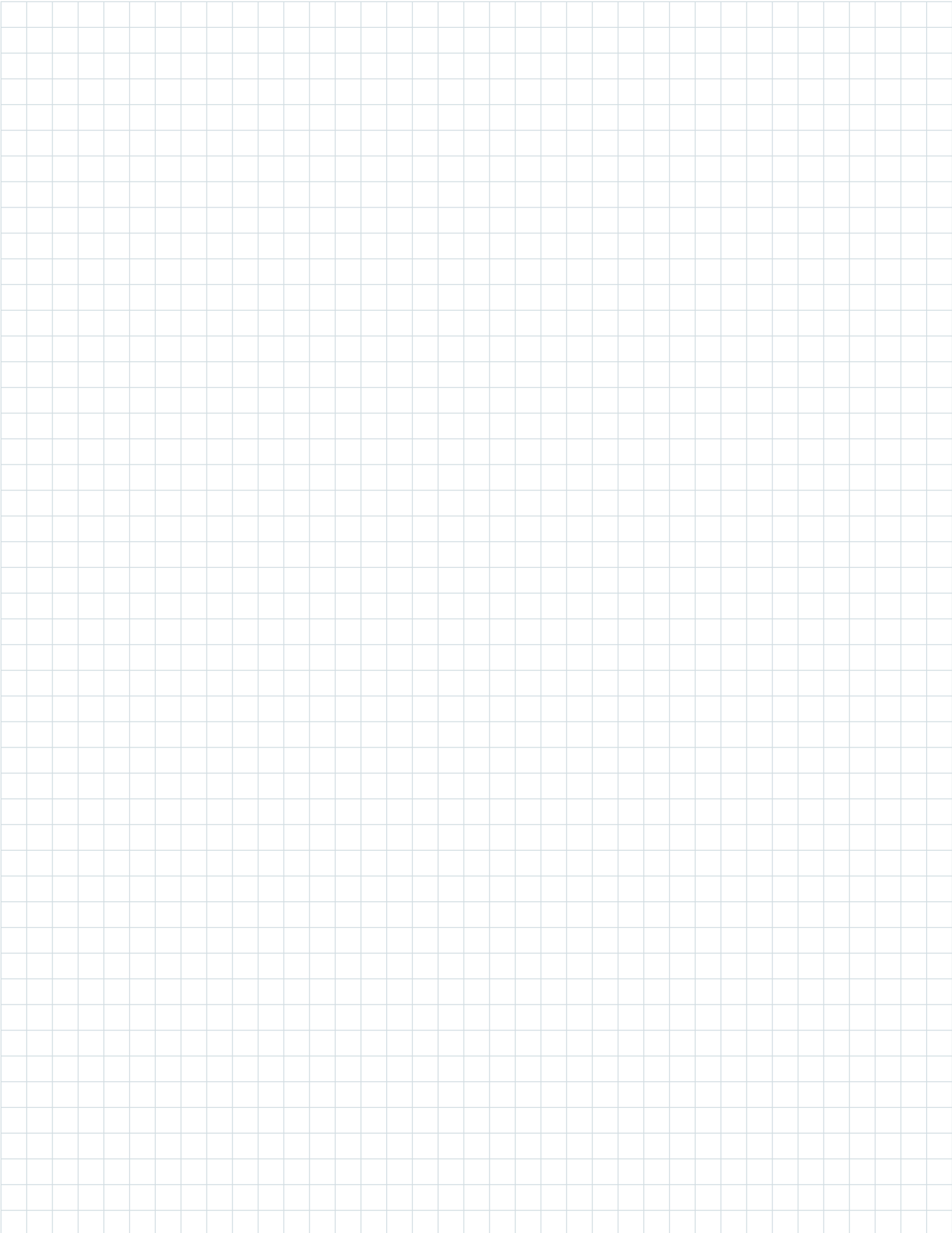
Type	Part-No.
Condensate filter	743.0294
Condensate filter for replacement	743.0384



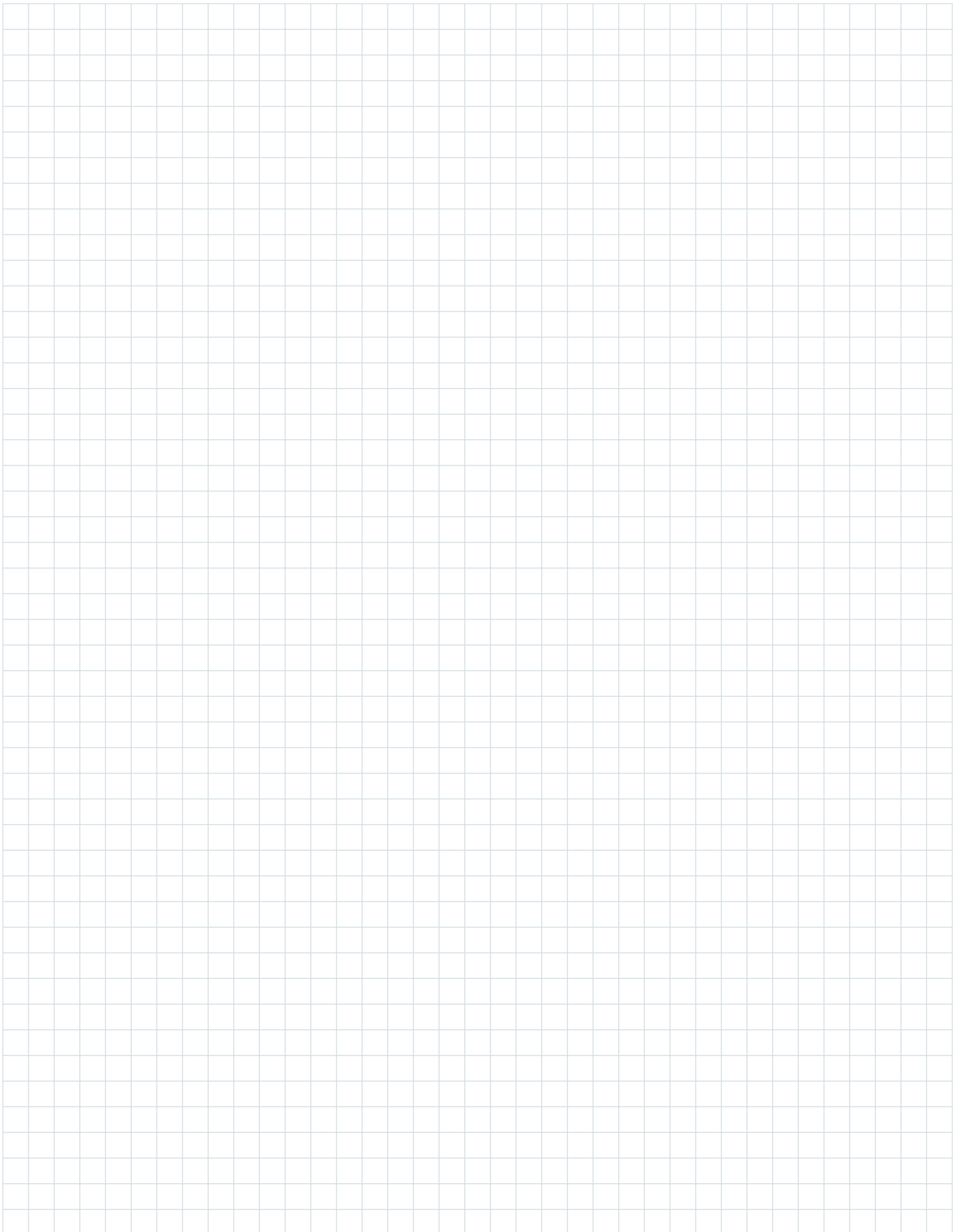
# Notes



# Notes



# Notes



## Our product range:

### ■ MIG/MAG

- Welding Torches
- Machine and Special Torches
- Push-Pull Welding Torches
- Fume Extraction Torches
- Central Adaptor System

### ■ TIG

- Welding Torches
- Machine and Special Torches

### ■ PLASMA

- Cutting Torches
- Welding Torches
- Machine and Special Torches

### ■ ROBOTIC SYSTEMS

- Robot Torches MIG/TIG/PLASMA
- Electronic Welding Regulator
- Laser Heads
- Seam Tracking Sensors
- TCP Programming Aid
- Robot Mounts
- Wire Cutting Station
- Torch Cleaning Station
- Wire Feeding Systems

### ■ Welding Accessories

- Fumes Extraction Systems
- Coolers
- Welding Cable Plug and Socket
- Anti Spatter Spray and Paste  
and so on ...



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# ROBO CATALOG 4.3



Robotic Joining Technology for all  
Metalworking Industries.





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# MIG/MAG Welding Torch Systems

## Air & liquid cooled



### ROBO WH / ROBO WH-PP air and liquid cooled

Quick adaptation to changing welding tasks ...

**Capacity:** up to 550 A

**Application areas:** Automotive construction, automotive suppliers (Tier 1, Tier 2), commercial vehicle construction, earth-moving equipment, rail vehicle construction, machine and steel construction

**Degree of automation:** Low Medium High

Page 7



### ABIROB® W liquid cooled

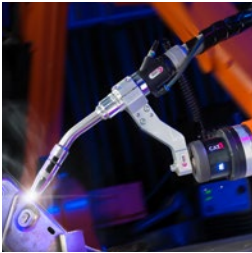
Robust & flexible ...

**Capacity:** up to 600 A

**Application areas:** Commercial vehicle construction, earth-moving equipment, rail vehicle construction, shipbuilding, machine and steel construction

**Degree of automation:** Low Medium High

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### ABIROB® A ECO air cooled

Simple & effective ...

**Capacity:** up to 500 A

**Application areas:** Automotive construction, automotive suppliers (Tier 1, Tier 2), bicycle industry, container construction, aviation- and aerospace industry

**Degree of automation:** Low Medium High

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### ABIROB® 350 GC air cooled

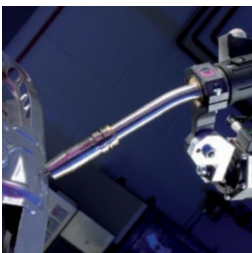
Sturdy, durable & economical ...

**Capacity:** up to 350 A

**Application areas:** Automotive construction, automotive suppliers (Tier 1, Tier 2), bicycle industry, container construction

**Degree of automation:** Low Medium High

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### ROBO Standard liquid cooled

Powerful, reliable & economical ...

**Capacity:** up to 450 A

**Application areas:** Commercial vehicle construction, earth-moving equipment, rail vehicle construction, shipbuilding, container construction, machine and steel construction

**Degree of automation:** Low Medium High

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### ROBO Compact liquid cooled

Powerful, reliable & economical ...

**Leistungsgröße:** bis 600 A

**Einsatzgebiete:** Nutzfahrzeugbau, Erdbewegungsmaschinen, Schienenfahrzeugbau, Schiffsbau, Behälterbau, Maschinen- und Stahlbau

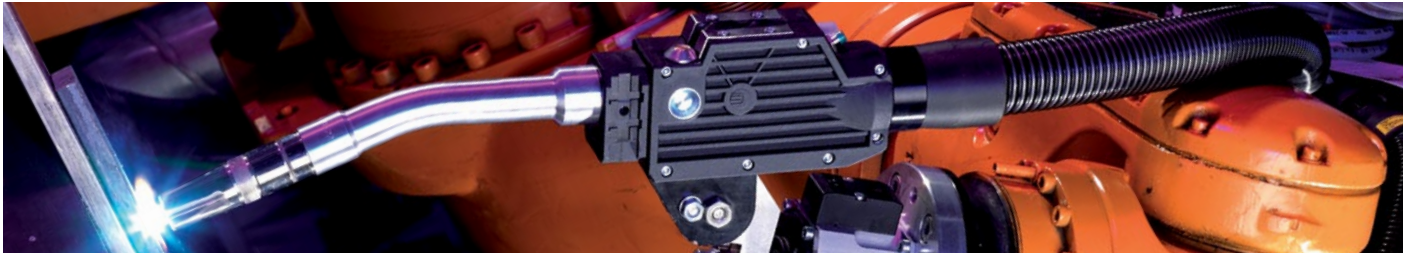
**Automatisierungsgrad:** Low Medium High

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# MIG/MAG Welding Torch System

## "ROBO WH & WH-PP" air cooled



### Quick adaptation to changing welding tasks ...

The air cooled MIG/MAG neck change welding torch system WH / WH-PP enables the complete torch neck to be replaced either manually or automatically – thanks to the innovative interface technology on the change body. This means torches of the same design can be replaced in seconds for maintenance purposes, or torches with special geometries for different welding positions can be changed as required.

Equally, the replacement of contact tip and gas nozzle and the monitoring of the TCP also take place outside the welding cell, thus increasing the availability of the system and reducing downtimes.

### Advantages that speak for themselves:

- Fast torch neck change and replacement of wear parts increase system availability
- Flexible adaptation to changing welding tasks
- Also available as a push-pull system for precise wire feeding
- Air cooled up to 360 A

up to  
360 A



### Degree of automation:

Low	Medium	High
-----	--------	------

### Application areas:



- Automotive construction
- Automotive suppliers (Tier 1, Tier 2)
- Commercial vehicle construction
- Earth-moving equipment
- Rail vehicle construction
- Machine and steel construction

### Material:

- Construction steels (coated / non-coated)
- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Copper materials
- Special materials

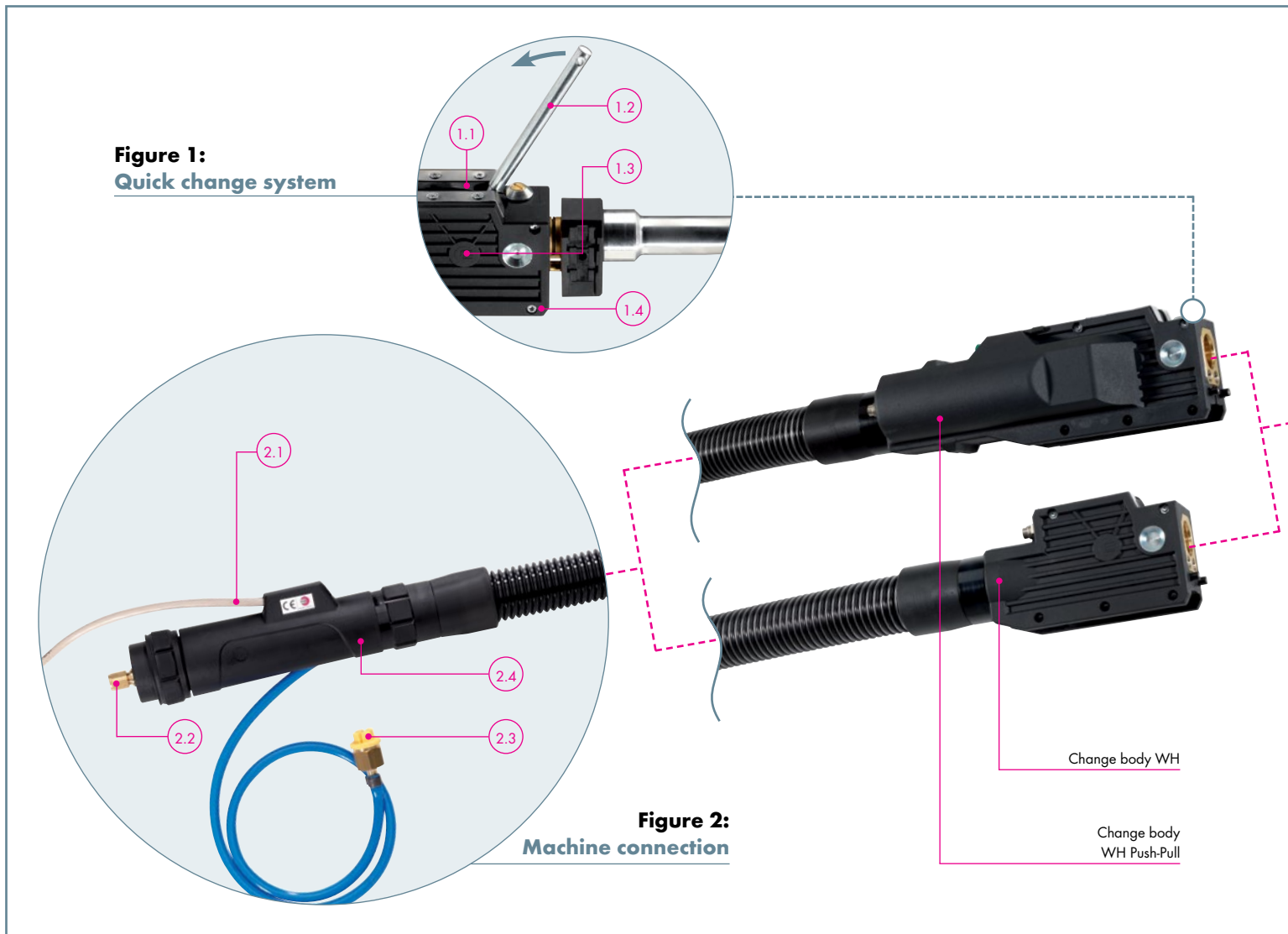
### Robot interface:

- Conventional robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM
- Hollow wrist robot  
(Cable assembly internal):
  - Robot mount iCAT
  - Bracket iSTM (for robots with integrated collision software)
- Hollow wrist robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM

### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

# “ROBO WH & WH-PP” air cooled System Overview & Technical Data



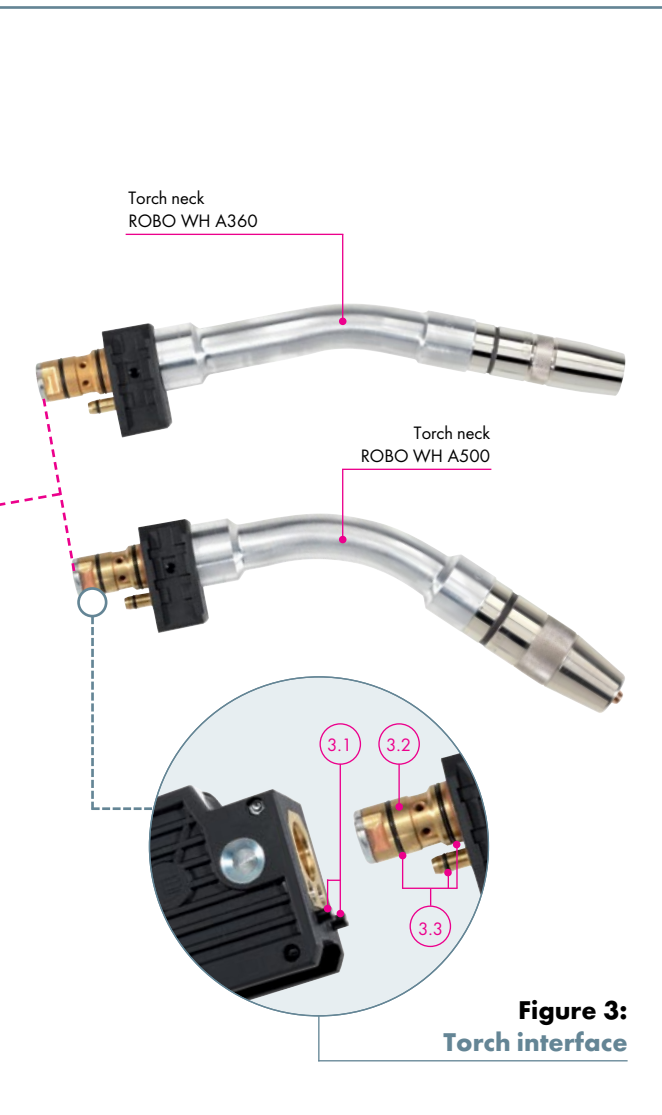
**Figure 1:**  
Quick change system

- 1.1 Rubber seals prevent dust/spatter penetration
- 1.2 Tool for manual torch neck replacement (hand lever)
- 1.3 Integrated wire-cutting and location function for torch neck replacement
- 1.4 Sturdy housing for change body (optionally with wire brake<sup>1</sup>)

**Figure 2:**  
Machine connection

- 2.1 High-quality control cable with strain relief (control cable connector on request)
- 2.2 Machine connection available for all standard wire feeds
- 2.3 Airblast hose with blanking plug
- 2.4 Sturdy casing with bend-protection spring

<sup>1</sup> Wire brake and gas nozzle sensor connection are required for tactile seam location via gas nozzle. Ask your robot manufacturer for more details.



**Figure 3:**  
**Torch interface**

**Figure 3:**  
**Torch interface**

- 3.1 Contacts for optional gas nozzle sensor<sup>1</sup>
- 3.2 Compact and space-saving interface
- 3.3 O-rings ensure a gas-tight connection



**Technical data (EN 60 974-7):**

**ROBO WH A360**

Type of cooling:	air cooled*
Rating:	300 A CO <sub>2</sub> 250 A Mixed gases M21 (EN ISO 14175)
Duty cycle:	100 %
Wire-Ø:	0.8 - 1.2 mm
Torch geometries:	22°/45°

**ROBO WH A500**

Type of cooling:	air cooled*
Rating:	360 A CO <sub>2</sub> 290 A Mixed gases M21 (EN ISO 14175)
Duty cycle:	100 %
Wire-Ø:	0.8 - 1.2 mm
Torch geometries:	0°/22°/45°

\* Capacity can be reduced when cable assemblies are longer than 3 m.

**Note on the technical data:**

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28°C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 - 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ROBO WH & WH-PP" air cooled Torch Necks & Wear Parts

## ROBO WH A360



### Torch necks

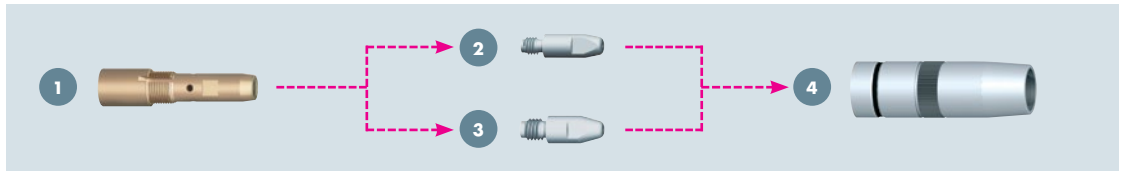
Features	22°	Part-No.	45°
Standard	962.1410.1		962.1411.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

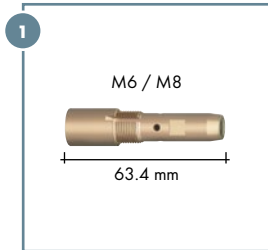
### Neck liner

for	Torch geometry	Wire-Ø	Part-No.
Steel	22° / 45°	Ø 0.8-0.9	149.0276.5
		Ø 1.0-1.2	149.0277.5
Aluminium	22° / 45°	Ø 0.8-1.0	149.0278.5
		Ø 1.2-1.6	149.0279.5

## Wear parts for ROBO WH A360



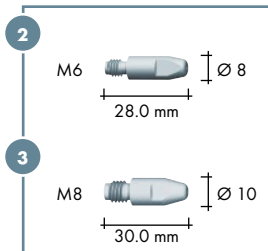
### 1 Contact tip holder (5 pcs.)



Type	Part-No.
M6 Copper <sup>1</sup>	142.0196.5
M6 Brass	142.0160.5
M8 Copper <sup>1</sup>	142.0170.5
M8 Brass	142.0163.5

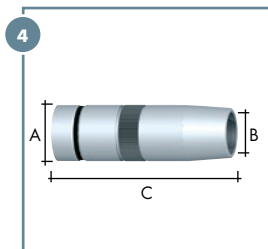
<sup>1</sup> Recommended for high amperages.

### 2 Contact tip M6 3 Contact tip M8 (10 pcs.)



Type	Wire-Ø	Part-No.	
		M6	M8
CuCrZr silver-plated	Ø 0.8	147.0054	147.0117
	Ø 0.9	147.0172	147.0217
	Ø 1.0	147.0245	147.0316
	Ø 1.2	147.0382	147.0445

### 4 Gas nozzle (5 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Flush <sup>2</sup>	Ø 22.0	Ø 12.0	68.0 mm	145.0599
Recess (-2.0 mm) <sup>3</sup>	Ø 22.0	Ø 12.0	70.0 mm	145.0600
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 12.0	65.0 mm	145.0601
Flush <sup>2</sup>	Ø 22.0	Ø 14.0	68.0 mm	145.0618
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 14.0	65.0 mm	145.0619

Type conical	Ø A	Ø B	Length C	Part-No.
Flush <sup>2</sup>	Ø 22.0	Ø 14.0	68.0 mm	145.0595
Recess (-2.0 mm) <sup>3</sup>	Ø 22.0	Ø 14.0	70.0 mm	145.0596
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 14.0	65.0 mm	145.0597
Flush <sup>2</sup>	Ø 22.0	Ø 16.0	68.0 mm	145.0592
Recess (-2.0 mm) <sup>3</sup>	Ø 22.0	Ø 16.0	70.0 mm	145.0593
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 16.0	65.0 mm	145.0594

<sup>2</sup> Flush: Contact tip flush

<sup>3</sup> Recess: Contact tip recessed

<sup>4</sup> Stick-out: Contact tip protruding

# "ROBO WH & WH-PP" air cooled Torch Necks & Wear Parts

## ROBO WH A500



### Torch necks

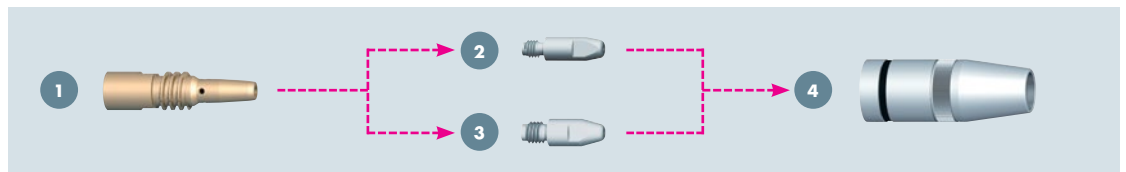
Features	Part-No.		
	0°	22°	45°
Standard	962.1504.1	962.1505.1	962.1506.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

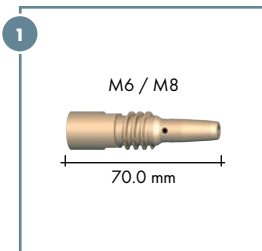
### Neck liner

for	Torch geometry	Wire-Ø	Part-No.
Steel	0° / 22° / 45°	Ø 0.8-0.9	149.0276.5
		Ø 1.0-1.2	149.0277.5
Aluminium	0° / 22° / 45°	Ø 0.8-1.0	149.0278.5
		Ø 1.2-1.6	149.0279.5

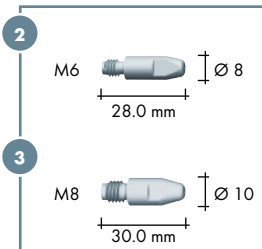
## Wear parts for ROBO WH A500



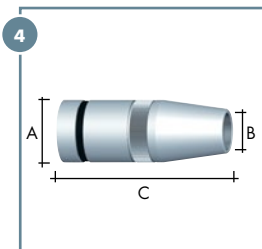
### 1 Contact tip holder (5 pcs.)



### 2 Contact tip M6 3 Contact tip M8 (10 pcs.)



### 4 Gas nozzle (5 pcs.)



Type	Part-No.
M6 Brass	142.0159.5
M8 Brass	142.0158.5
M8 Copper <sup>1</sup>	142.0169.5

<sup>1</sup> Recommended for high amperages.

Type	Wire-Ø	Part-No.	
		M6	M8
CuCrZr silver-plated	Ø 0.8	147.0054	147.0117
	Ø 0.9	147.0172	147.0217
	Ø 1.0	147.0245	147.0316
	Ø 1.2	147.0382	147.0445

Type bottle form	Ø A	Ø B	Length C	Part-No.
Flush <sup>2</sup>	Ø 28.0	Ø 14.0	75.0 mm	145.0586
Recess (-2.0 mm) <sup>3</sup>	Ø 28.0	Ø 14.0	77.0 mm	145.0587
Stick-out (+3.0 mm) <sup>4</sup>	Ø 28.0	Ø 14.0	72.0 mm	145.0588
Flush <sup>2</sup>	Ø 28.0	Ø 16.0	75.0 mm	145.0583
Recess (-2.0 mm) <sup>3</sup>	Ø 28.0	Ø 16.0	77.0 mm	145.0584
Stick-out (+3.0 mm) <sup>4</sup>	Ø 28.0	Ø 16.0	72.0 mm	145.0585

Type conical	Ø A	Ø B	Length C	Part-No.
Flush <sup>2</sup>	Ø 28.0	Ø 13.0	75.0 mm	145.0589
Recess (-2.0 mm) <sup>3</sup>	Ø 28.0	Ø 13.0	77.0 mm	145.0590
Stick-out (+3.0 mm) <sup>4</sup>	Ø 28.0	Ø 13.0	72.0 mm	145.0591
Flush <sup>2</sup>	Ø 28.0	Ø 16.0	75.0 mm	145.0580
Recess (-2.0 mm) <sup>3</sup>	Ø 28.0	Ø 16.0	77.0 mm	145.0581
Stick-out (+3.0 mm) <sup>4</sup>	Ø 28.0	Ø 16.0	72.0 mm	145.0582

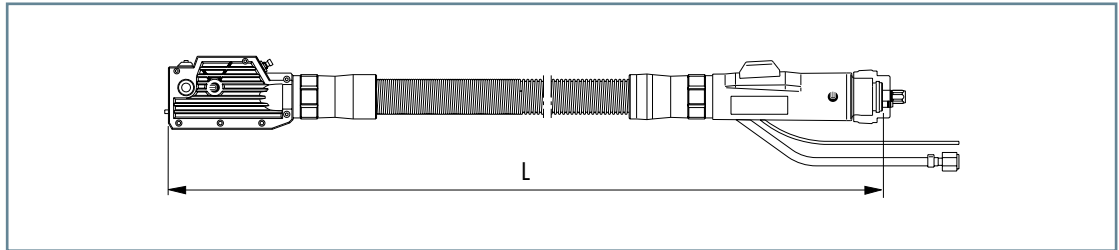
<sup>2</sup> Flush: Contact tip flush

<sup>3</sup> Recess: Contact tip recessed

<sup>4</sup> Stick-out: Contact tip protruding

# “ROBO WH & WH-PP” air cooled Cable Assemblies & Accessories

## Cable assembly and connection types



On account of the large number of connection variants and cable assembly lengths we cannot list every part number here. Please contact your application consultant to find the optimum solution for your requirements. When you inquire, please have all the relevant information on hand ready, such as connection variant, make and type of power source, description of wire feeder, pin assignment for the control cable and individual connections for the airblast function.

## Liners for Euro central connection<sup>1</sup>

Type	Wire-Ø	up to L=1.5 m <sup>4</sup>	up to L=3.15 m <sup>4</sup>	10.0 m <sup>5</sup>	Collet
Liner steel red <sup>2</sup>	Ø 0.8-1.2	124.0145.1	124.0146.1	124.0159.1	131.0012
Liner steel white <sup>2</sup>	Ø 1.4-1.6	124.0147	124.0148	124.0160	131.0011
Combined wire feed <sup>3</sup>	Ø 0.8-1.2	128.M008	128.M009	-	131.0019
	Ø 1.4-1.6	128.M012.1	128.M013.1	-	131.0020

<sup>1</sup> Liners for other connection types are available on request.

<sup>2</sup> Red and white steel liners (insulated) for the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by “micro-arcing” on the wire. This allows optimal current transfer inside the contact tip, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors.

<sup>3</sup> Combined wire feed – for aluminium or bronze wires – is a combination of PA-liner and a bronze liner pressed on in the front section to avoid thermal overload of the PA.

<sup>4</sup> Including 1x collet

<sup>5</sup> For individual production including 2x collets

## Accessories



### Alignment jig

for torch type	Torch geometry	Part-No.
ROBO WH A	0°/22°/45°	837.0591.1

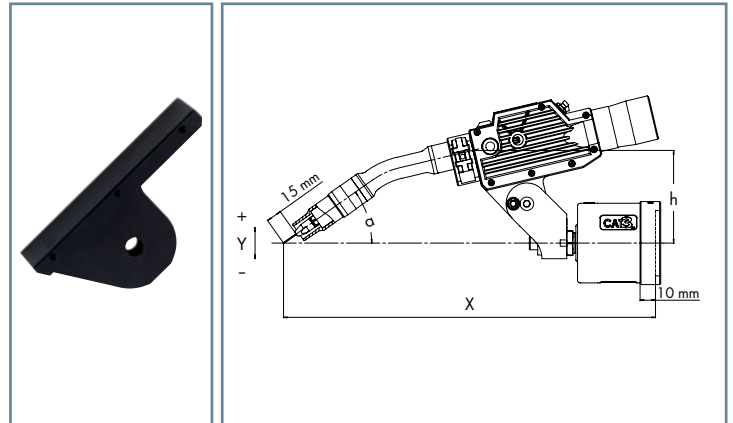


# “ROBO WH & WH-PP” air cooled Holder & TCP Geometries

## Torch holder for ROBO WH and WH-PP

in connection with CAT3 cpl.

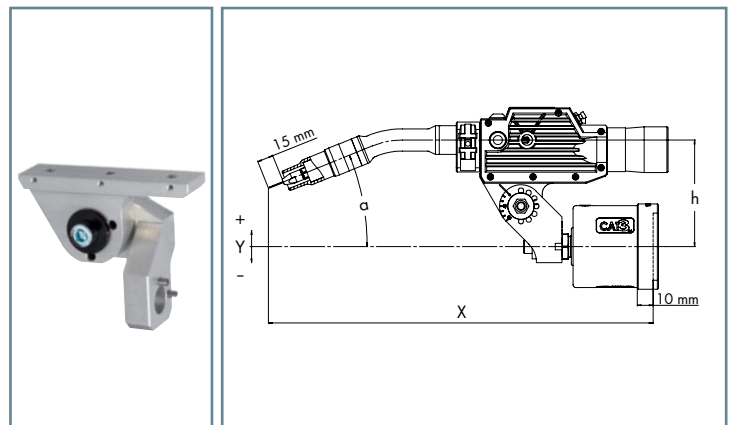
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO	0°	407	0	83	20°	960.0026.1
WH A 360	22°	391	0	92	33°	960.0026.1
	35°	376	0	97	39°	960.0026.1
	45°	363	0	101	43°	960.0026.1
ROBO	0°	407	0	83	20°	960.0026.1
WH A 500	22°	391	0	92	33°	960.0026.1
	45°	363	0	101	43°	960.0026.1



## Segment holder for ROBO WH and WH-PP<sup>1</sup>

in connection with CAT3

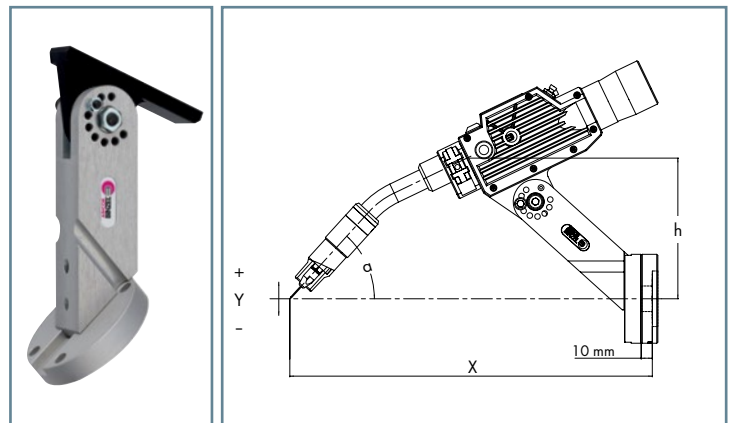
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO	0°	402	100	100	0°	780.0307.1
WH A 360	22°	393	50	100	22°	780.0307.1
	35°	379	20	100	35°	780.0307.1
	45°	362	-6	100	45°	780.0307.1
ROBO	0°	402	100	100	0°	780.0307.1
WH A 500	22°	393	50	100	22°	780.0307.1
	45°	362	-6	100	45°	780.0307.1



## RTM holder for ROBO WH and WH-PP<sup>1</sup>

for robots with collision software

Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO	0°	388	21	127	0°	780.0360
WH A 360	22°	358	-20	127	48°	780.0360
	35°	331	-41	127	61°	780.0360
	45°	305	-58	127	71°	780.0360
ROBO	0°	388	21	127	0°	780.0360
WH A 500	22°	358	-20	127	48°	780.0360
	45°	305	-58	127	71°	780.0360



Further holders are available on request.

<sup>1</sup> Holder adjustable in 15° steps.



# MIG/MAG welding torch system "ROBO WH & WH-PP" liquid cooled



## Quick adaptation to changing welding tasks ...

The liquid cooled MIG/MAG neck change welding torch system WH / WH-PP enables the complete torch neck to be replaced either manually or automatically – thanks to the innovative interface technology on the change body. This means torches of the same design can be replaced in seconds for maintenance purposes, or torches with special geometries for different welding positions can be changed as required.

Equally, the replacement of contact tip and gas nozzle and the monitoring of the TCP also takes place outside of the welding cell, thus increasing the availability of the system and reducing downtimes.

## Advantages that speak for themselves:

- Fast torch neck change and replacement of wear parts increase system availability
- Flexible adaptation to changing welding tasks
- Also available as a push-pull system for precise wire feeding
- Liquid cooled up to 600 A

up to  
550 A



## Degree of automation:

Low	Medium	High
-----	--------	------

## Typical areas of application:



- Automotive construction
- Automotive suppliers (Tier 1, Tier 2)
- Commercial vehicle construction
- Earth-moving equipment
- Rail vehicle construction
- Machine and steel construction

## Material:

- Construction steels (coated / non-coated)
- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Copper materials
- Special materials

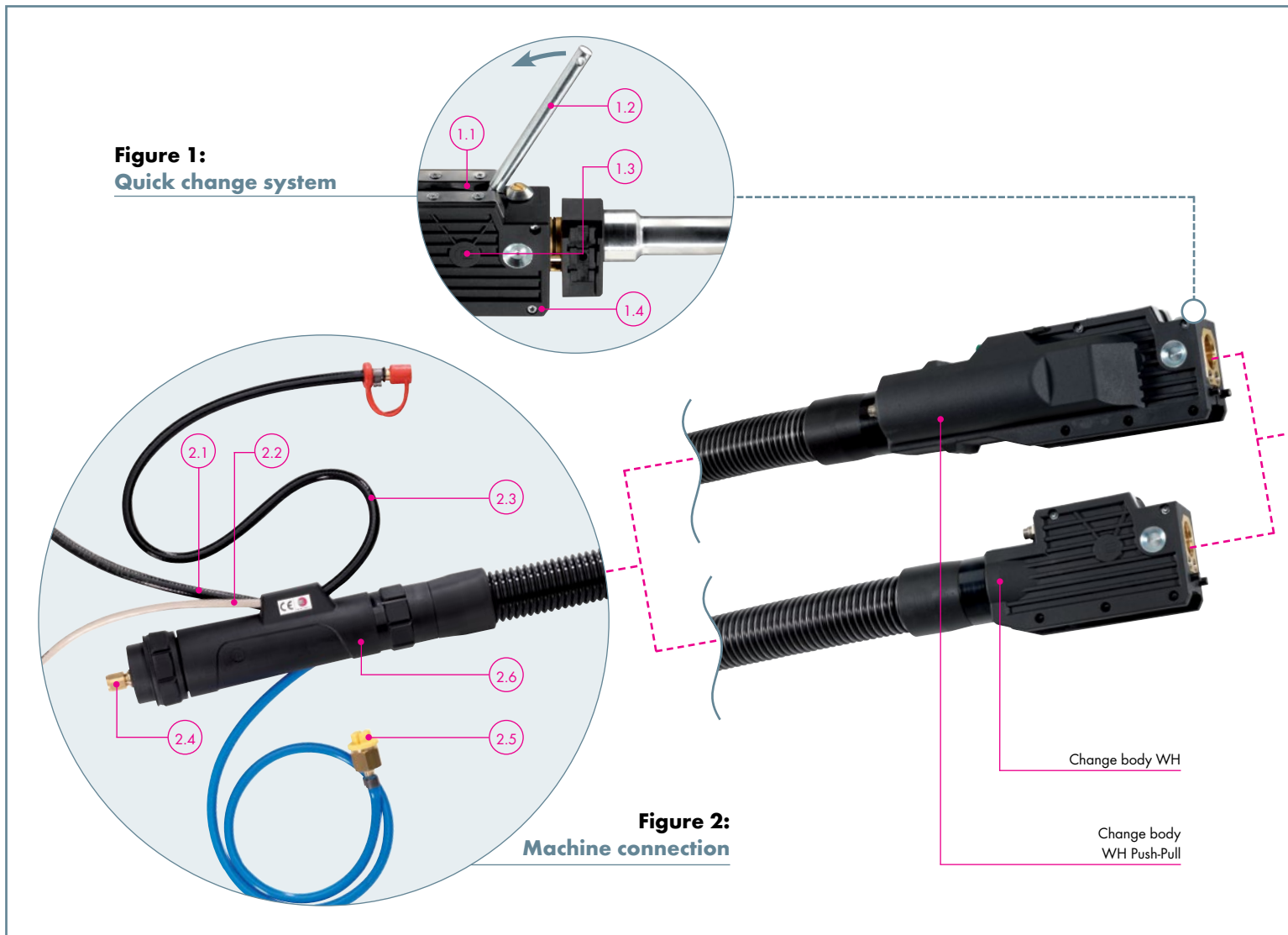
## Robot interface:

- Conventional robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM
- Hollow wrist robot  
(Cable assembly internal):
  - Robot mount iCAT
  - Bracket iSTM (for robots with integrated collision software)
- Hollow wrist robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM

## \* Definition of the degree of automation:

- **Low** = Torch neck change not possible
- **Medium** = Torch neck change possible (manually)
- **High** = Torch neck change possible (manually & automatically)

# “ROBO WH & WH-PP” liquid cooled System Overview & Technical Data



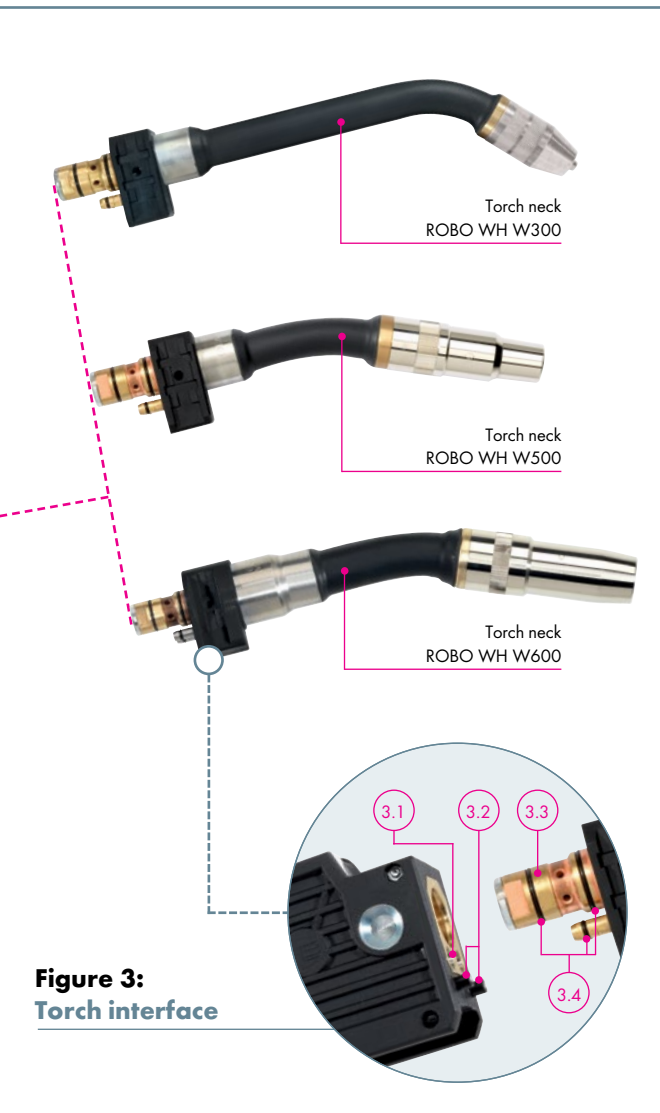
**Figure 1:  
Quick change system**

- 1.1 Rubber seals prevent dust/spatter penetration
- 1.2 Tool for manual torch neck replacement (hand lever)
- 1.3 Integrated wire-cutting and location function for torch neck replacement
- 1.4 Sturdy housing for change body (optionally with wire brake<sup>1</sup>)

**Figure 2:  
Machine connection**

- 2.1 Coolant feed hose with closure
- 2.2 High-grade control cable with strain relief
- 2.3 Coolant return hose with closure
- 2.4 Machine connection available for all standard wire feeds
- 2.5 Airblast hose with blanking plug
- 2.6 Sturdy casing with bend-protection spring

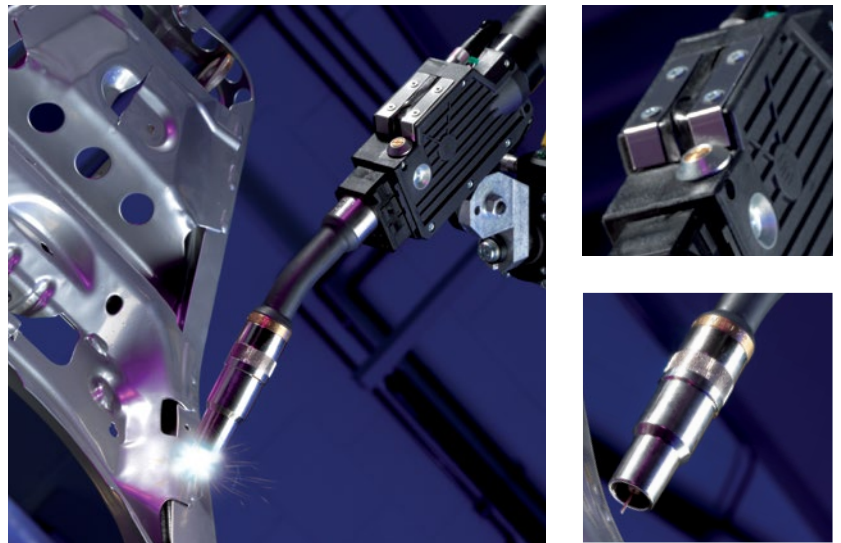
<sup>1</sup> Wire brake and gas nozzle sensor connection are required for tactile component location. Ask your robot manufacturer for more details.



**Figure 3:**  
**Torch interface**

**Figure 3:**  
**Torch interface**

- 3.1 Non-return valves for leak-free torch neck replacement
- 3.2 Contacts for optional gas nozzle sensor<sup>1</sup>
- 3.3 Compact and space-saving interface
- 3.4 O-rings ensure a coolant and gas-tight connection



**Technical data (EN 60 974-7):**

**ROBO WH W300**

Type of cooling: liquid cooled  
 Rating: 330 A CO<sub>2</sub>  
 300 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8 – 1.2 mm  
 Torch geometries: 45°

**ROBO WH W500**

Type of cooling: liquid cooled  
 Rating: 550 A CO<sub>2</sub>  
 500 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8 – 1.6 mm  
 Torch geometries: 0°/22°/35°/45°

**ROBO WH W600**

Type of cooling: liquid cooled  
 Rating: 600 A CO<sub>2</sub>  
 550 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: max. 1.6 mm  
 Torch geometries: 0°/22°/35°/45°

**Note on the technical data:**

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28°C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 – 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ROBO WH & WH-PP" liquid cooled Torch Necks & Wear Parts

## ROBO WH W300



### Torch neck

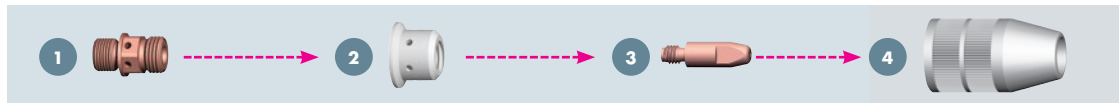
Features	Part-No.
Standard	962.1889.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

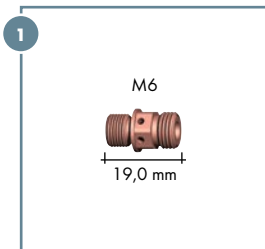
### Neck liner

for	Wire-Ø	Part-No.
Steel	Ø 0.8-1.2	149.0040.5
Aluminium	Ø 0.8-1.2	149.0014.5

## Wear parts for ROBO WH W300



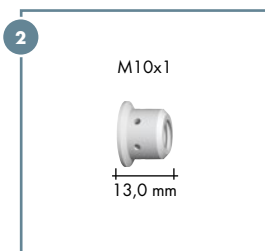
### 1 Contact tip holder (10 pcs.)



Type	Part-No.
M6 Copper <sup>1</sup>	785.5052

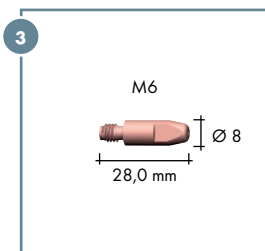
<sup>1</sup> Recommended for high amperages.

### 2 Gas diffuser (10 pcs.)



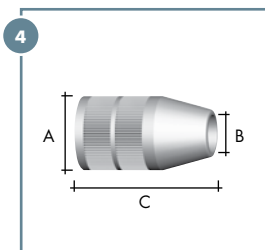
Type	Part-No.
Standard	962.0657
High temperature resistant (ceramic)	962.1341

### 3 Contact tip (10 pcs.)



Type	Wire-Ø	Part-No.
CuCrZr	Ø 0.8	140.0054
	Ø 0.9	140.0172
	Ø 1.0	140.0245
	Ø 1.2	140.0382

### 4 Gas nozzle (10 pcs.)



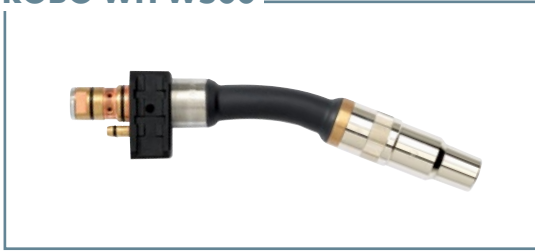
Type conical	Ø A	Ø B	Length C	Part-No.
Recess (-1.0 mm) <sup>2</sup>	Ø 25.0	Ø 13.0	48.5 mm	145.0564
Stick-out (+3.0 mm) <sup>3</sup>	Ø 25.0	Ø 13.0	44.5 mm	145.0495.10
Stick-out (+3.0 mm) <sup>3</sup>	Ø 25.0	Ø 15.5	44.5 mm	145.0494.10

<sup>2</sup> Recess: Contact tip recessed

<sup>3</sup> Stick-out: Contact tip protruding

# "ROBO WH & WH-PP" liquid cooled Torch Necks & Wear Parts

## ROBO WH W500



### Torch neck

Features	Part-No.			
	0°	22°	35°	45°
Standard	962.1550.1	962.1549.1	962.1551.1	962.1532.1
with gas nozzle sensor*	962.1595.1	962.1596.1	962.1597.1	962.1598.1

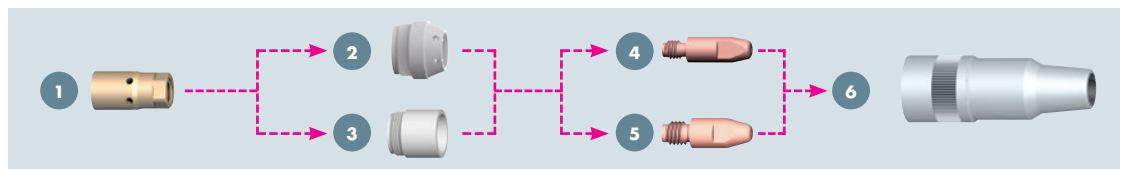
Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

\* Gas nozzle sensor connection for tactile seam location via gas nozzle

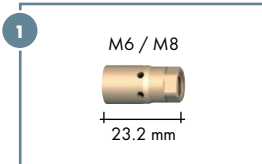
### Neck liner

Torch geometry	Wire-Ø	Part-No.	
		for steel	for aluminium
0° / 22°	Ø 0.8-1.0	-	149.0230.5
	Ø 1.0-1.2	149.0226.5	149.0232.5
	Ø 1.4-1.6	149.0228.5	-
35° / 45°	Ø 0.8-1.0	-	149.0231.5
	Ø 1.0-1.2	149.0227.5	149.0233.5
	Ø 1.4-1.6	149.0229.5	-

## Wear parts for ROBO WH W500



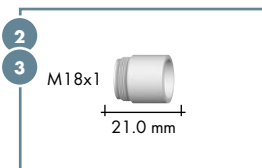
### 1 Contact tip holder (10 pcs.)



Type	Part-No.
M6 Copper <sup>1</sup>	142.0133.10
M6 Brass	142.0216.10
M8 Copper <sup>1</sup>	142.0151.10
M8 Brass	142.0117.10

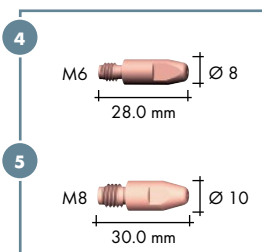
<sup>1</sup> Recommended for high amperages.

### 2 Gas diffuser 3 Nozzle insulator (10 pcs.)



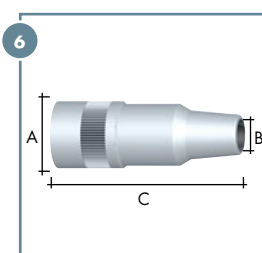
Type	Part-No.
Gas diffuser, standard (not ill.)	943.0284
Nozzle insulator, standard	146.0054.10
Nozzle insulator, standard/short	146.0064
Nozzle insulator, resistant to high temperatures	146.0059.10

### 4 Contact tip M6 5 Contact tip M8 (10 pcs.)



Type	Wire-Ø	Part-No.	
		M6	M8
CuCrZr	Ø 0.8	140.0054	140.0117
	Ø 0.9	140.0172	140.0217
	Ø 1.0	140.0245	140.0316
	Ø 1.2	140.0382	140.0445
	Ø 1.4	-	140.0536
	Ø 1.6	-	140.0590

### 6 Gas nozzle (10 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Recess (-2.6 mm) <sup>2</sup>	Ø 27.0	Ø 13.0	77.0 mm	145.0556.10
Recess (-1.1 mm) <sup>2</sup>	Ø 27.0	Ø 13.0	75.5 mm	145.0479.10
Recess (-2.6 mm) <sup>2</sup>	Ø 27.0	Ø 15.5	77.0 mm	145.0480.10
Recess (-1.1 mm) <sup>2</sup>	Ø 27.0	Ø 15.5	75.5 mm	145.0544.10
Stick-out (+2.4 mm) <sup>3</sup>	Ø 27.0	Ø 15.5	72.0 mm	145.0466.10

Type conical	Ø A	Ø B	Length C	Part-No.
Recess (-1.1 mm) <sup>2</sup>	Ø 27.0	Ø 15.5	75.5 mm	145.0553.10
Stick-out (+2.4 mm) <sup>3</sup>	Ø 27.0	Ø 15.5	72.5 mm	145.0568.10

<sup>2</sup> Recess: Contact tip recessed

<sup>3</sup> Stick-out: Contact tip protruding

# "ROBO WH & WH-PP" liquid cooled Torch Necks & Wear Parts

## ROBO WH W600



### Torch neck

Features	Part-No.			
	0°	22°	35°	45°
Standard	962.1745.1	962.1746.1	962.1747.1	962.1748.1
with gas nozzle sensor*	962.1769.1	962.1770.1	962.1771.1	962.1772.1

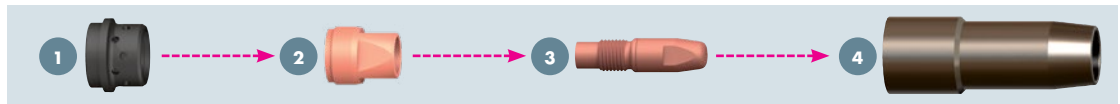
Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

\* Gas nozzle sensor connection for tactile seam location via gas nozzle

### Neck-liner

for	Wire-Ø	Part-No.
Steel	Ø 1.0-1.2	149.0270.5
	Ø 1.4-1.6	149.0271.5
Aluminium	Ø 1.2-1.6	149.0272.5

## Wear parts for ROBO WH W600

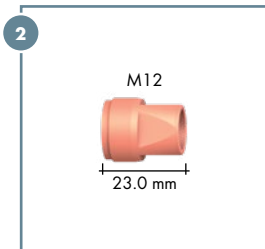


### 1 Gas diffuser (10 pcs.)



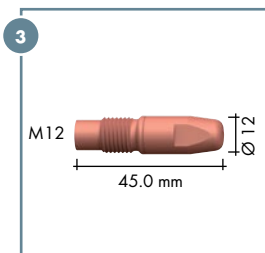
Type	Part-No.
Standard	146.0079.10

### 2 Contact tip holder (10 pcs.)



Type	Part-No.
M12	142.0214.10

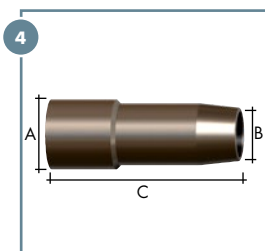
### 3 Contact tip (10 pcs.)



Type	Wire-Ø	Part-No.
CuCrZr	Ø 1.2	140.1563.10
	Ø 1.4	140.1564.10
	Ø 1.6	140.1565.10
HDS**	Ø 1.2	147.6563.10
	Ø 1.4	147.6564.10
	Ø 1.6	147.6565.10

\*\*HDS = Heavy Duty Silver Contact Tips

### 4 Gas nozzle (5 pcs.)



Type conical	Ø A	Ø B	Length C	Part-No.
Flush <sup>1</sup>	34.0	21.5	92.0 mm	145.0686.5
Stick-Out (+ 6.0 mm) <sup>2</sup>	34.0	21.5	86.0 mm	145.0687.5
Recess (- 3.0 mm) <sup>3</sup>	34.0	21.5	95.0 mm	145.0688.5
Flush <sup>1</sup>	34.0	18.0	92.0 mm	145.0689.5

<sup>1</sup> Flush: Contact tip flush

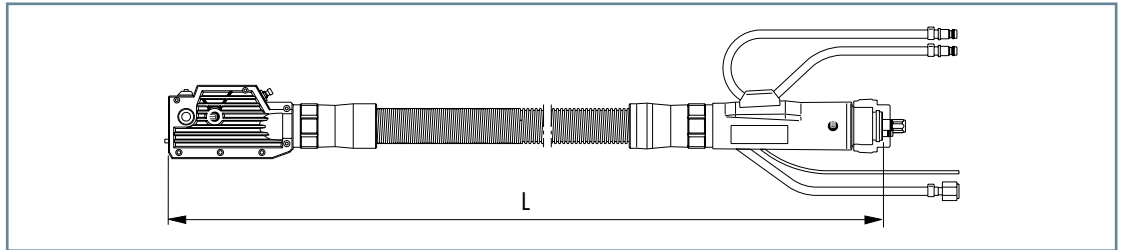
<sup>2</sup> Stick-out: Contact tip protruding

<sup>3</sup> Recess: Contact tip recessed



# "ROBO WH & WH-PP" liquid cooled Cable Assemblies & Accessories

## Cable assemblies and connection types



### Cable assemblies "WH" cpl.

with connection type	Length	Part-No.
ABICOR BINZEL®	1.05 m	965.2001
Euro central connection	1.15 m	965.2002
	1.25 m	965.2003
	1.45 m	965.2004
	1.65 m	965.2005
	2.15 m	965.2006
	2.65 m	965.2007
	3.15 m	965.2008

### Cable assemblies "WH-PP" cpl.

(Gear ratio  $i=17.1:1$  / Motor 42 V DC\*)

with connection type	Length	Part-No.
ABICOR BINZEL®	1.10 m	965.4014
Euro central connection	1.50 m	965.4015
	1.70 m	965.4016
	2.20 m	965.4001
	2.70 m	965.4002
	3.20 m	965.4003

The red steel liner 0.8 - 1.2 mm is included in the scope of delivery. Please order other versions separately.

\*The control cable is not configured at the machine end. Power source specific versions of the motor-gear combination (24 V / 42 V / 32 V) as well as lengths greater than 3.2 m on request.

## Liners for Euro central connection<sup>1</sup>

Type	Wire-Ø	up to L=1.65 m	up to L=3.20 m	up to L=5.00 m
Liner steel red <sup>2</sup>	Ø 0.8 - 1.2	124.0176	124.0111.1	124.0113.1
Liner steel BSLblue <sup>2</sup>	Ø 1.4 - 1.6	124.0136	124.0108	124.0110
PA-liner <sup>3</sup>	Ø 0.8 - 1.2	128.0039	128.0012	128.0016
	Ø 1.4 - 1.6	128.0040	128.0020	128.0030

<sup>1</sup> Liners for other connection types are available on request

<sup>2</sup> Red and BSLblue steel liners (insulated) for the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by "micro-arcing" on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors. Liners for aluminium and special wires on request.

<sup>3</sup> PA-liners for the use of aluminium and special wires. Good gliding properties and abrasion resistance. Application temperature limit 150°C.

## Drive rolls for WH-PP

Wire-Ø	Aluminium (U-groove)	Universal (V-groove)
Ø 0.8	961.0017	961.0269
Ø 0.9	961.0056	961.0270
Ø 1.0	961.0018	961.0227
Ø 1.2	961.0019	961.0228
Ø 1.4	-	961.0279
Ø 1.6	961.0020	961.0267

## Accessories



### Alignment jig

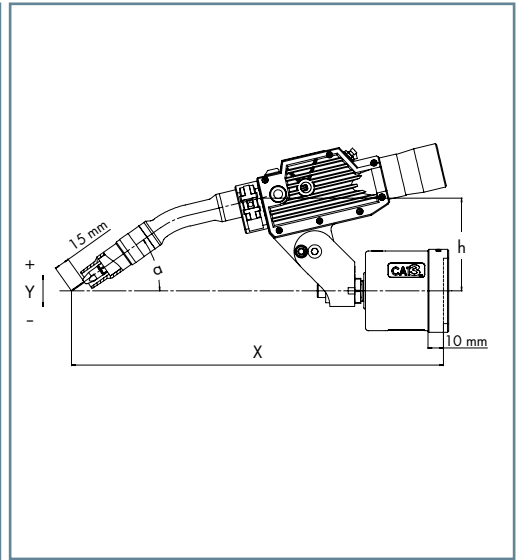
for torch type	Torch geometry	Part-No.
ROBO WH W300	45°	837.0163.1
ROBO WH W500	0° / 22° / 35° / 45°	837.0020.1
ROBO WH W600	0° / 22° / 35° / 45°	837.0846.1

# “ROBO WH & WH-PP” liquid cooled Holder & TCP Geometries

## Torch holder for ROBO WH and WH-PP

in connection with CAT3 cpl.

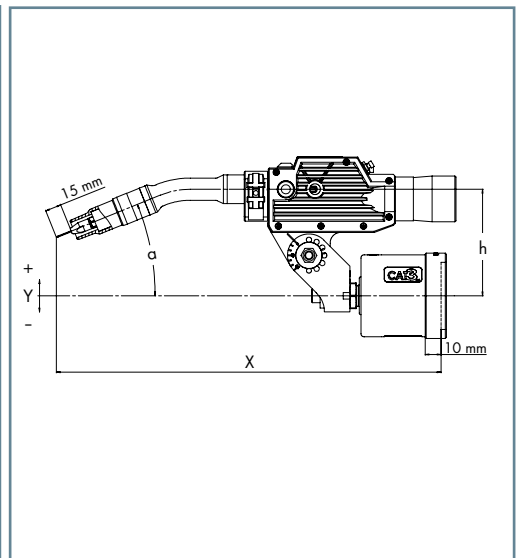
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO WH W300	45°	396	0	95	52°	960.0026.1
ROBO WH W500	0°	370	0	80	23°	960.0026.1
	22°	354	0	89	35°	960.0026.1
	35°	362	0	96	41°	960.0026.1
	45°	349	0	99	46°	960.0026.1
ROBO WH W600	0°	426	0	84	19°	960.0026.1
	22°	410	0	93	32°	960.0026.1
	35°	395	0	98	38°	960.0026.1
	45°	382	0	102	43°	960.0026.1



## Segment holder for ROBO WH and WH-PP<sup>1</sup>

in connection with CAT3

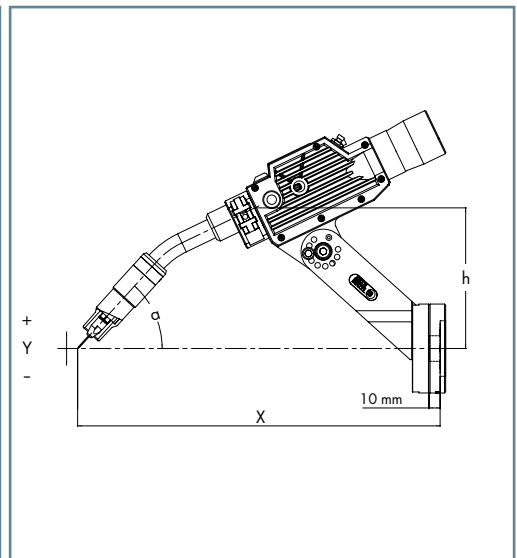
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO WH W300	45°	399	35	100	45°	780.0307.1
ROBO WH W500	0°	365	100	100	0°	780.0307.1
	22°	356	55	100	22°	780.0307.1
	35°	364	26	100	35°	780.0307.1
	45°	350	3	100	45°	780.0307.1
ROBO WH W600	0°	422	100	100	0°	780.0307.1
	22°	412	49	100	22°	780.0307.1
	35°	397	15	100	35°	780.0307.1
	45°	380	-11	100	45°	780.0307.1



## RTM holder for ROBO WH and WH-PP<sup>1</sup>

for robots with collision software

Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO WH W300	45°	356	-36	127	71°	780.0360
ROBO WH W500	0°	354	37	127	26°	780.0360
	22°	327	0	127	48°	780.0360
	35°	321	-30	127	61°	780.0360
	45°	288	-44	127	71°	780.0360
ROBO WH W600	0°	405	12	127	26°	780.0360
	22°	374	-30	127	48°	780.0360
	35°	346	-54	127	61°	780.0360
	45°	319	-70	127	71°	780.0360



Further holders are available on request.

<sup>1</sup> Holder adjustable in 15° steps.

# MIG/MAG Welding Torch System

## "ABIROB® W" liquid cooled



### Robust & flexible ...

Pure ROBO power! Liquid-cooled ABIROB® W welding torches have power ratings up to 600 A and are equipped with state-of-the-art cable assembly and interface technology. The modular design of these rugged yet flexible torches allows a fast change of torch neck and cable assembly components without the TCP (Tool Centre Point) changing – thus avoiding additional programming effort.

High repetitive accuracy and a continuously precise welding process are ensured through the innovative but "simple" torch construction.

### Advantages that speak for themselves:

- Robust torch necks with screw-on gas nozzle and replaceable contact tip holder guarantee high durability and a long service life cycle
- The innovative interface design ensures the fast change of torch neck and reproducible positioning of cable assembly and torch neck
- Hybrid cable assembly technology for optimized wire feeding, prevention of electrolytic corrosion and improved coolant flow
- Special torch neck geometries are available for joining components even with limited accessibility

up to  
600 A



### Degree of automation:

Low	Medium	High
-----	--------	------

### Application areas:



- Commercial vehicle construction
- Earth-moving equipment
- Rail vehicle construction
- Shipbuilding
- Machine and steel construction

### Material:

- Construction steels (coated / non-coated)
- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Copper materials
- Special materials

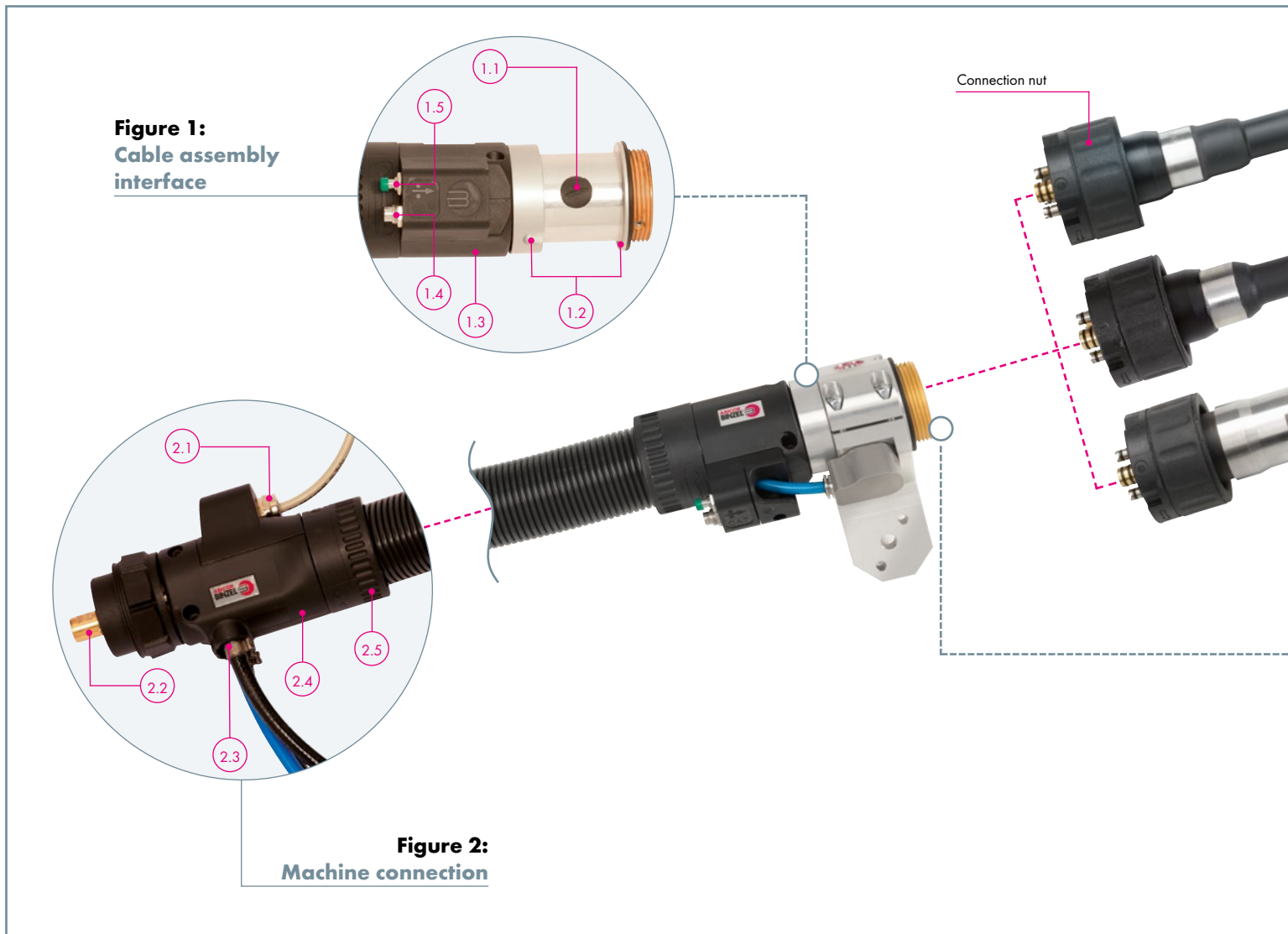
### Robot interface:

- Conventional robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM
- Hollow wrist robot  
(Cable assembly internal):
  - Robot mount iCAT
  - Bracket iSTM (for robots with integrated collision software)
- Hollow wrist robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM

### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

# "ABIROB® W" liquid cooled System Overview & Technical Data



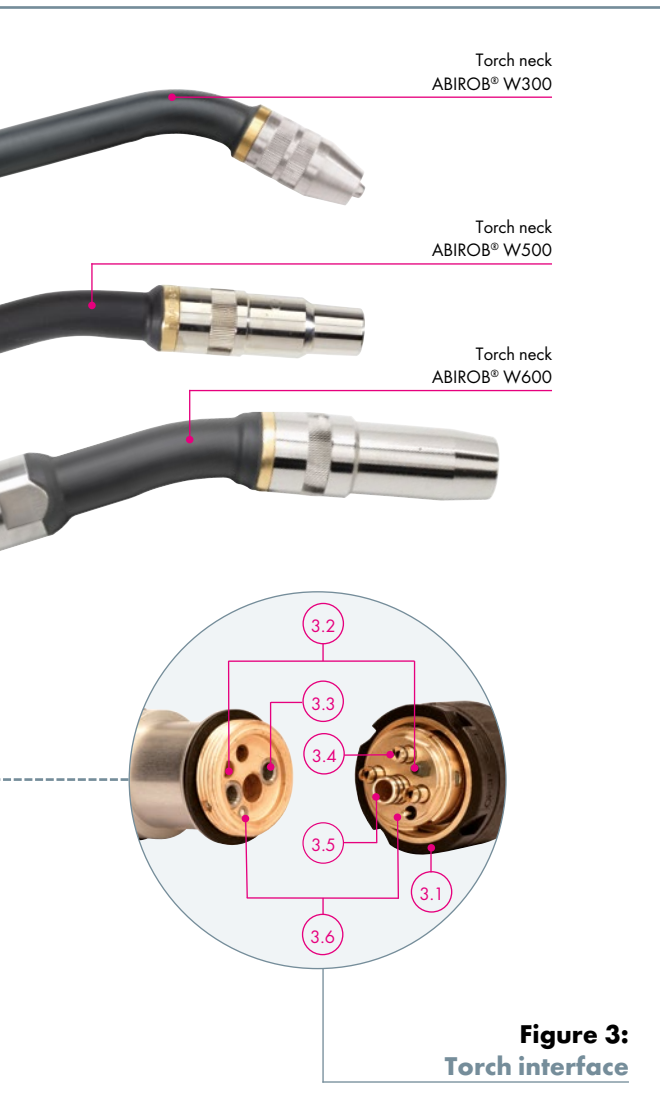
**Figure 1:**  
**Cable assembly interface**

- 1.1 Connection for the optional wire clamp function (wire brake)<sup>1</sup>
- 1.2 INTERLOCK connection - reproducible positioning of the cable assembly in three dimensions
- 1.3 Short housing for best accessibility
- 1.4 Connection CAT3
- 1.5 Wire feed button

**Figure 2:**  
**Machine connection**

- 2.1 High-quality control cable with strain relief (control cable connector on request)
- 2.2 Machine connection available for all standard wire feeds
- 2.3 Straight discharge for coolant and airblast hose - no bending or twisting of the hoses
- 2.4 Short connection housing - high flexibility of the cable assembly
- 2.5 Rotatable outer hose connection - minimized torsion stress

<sup>1</sup> Wire brake and gas nozzle sensor connection are required for tactile seam location. Ask your robot manufacturer for more details.



**Figure 3:**  
**Torch interface**

**Figure 3:**  
**Torch interface**

- 3.1 High-grip connection nut – for a fast and tight connection
- 3.2 Diamond head pin connection – for reproducible torch neck change
- 3.3 Flow check valves – no leaking of the coolant during the torch neck change
- 3.4 Gas and airblast – best gas shielding
- 3.5 For one piece liner or neck liner
- 3.6 Gas nozzle sensor<sup>1</sup>



**Technical data (EN 60 974-7):**

**ABIROB® W300**

Type of cooling: liquid cooled  
 Rating: 330 A CO<sub>2</sub>  
 300 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8 – 1.2 mm  
 Torch geometries: 22°/45°

**ABIROB® W500**

Type of cooling: liquid cooled  
 Rating: 550 A CO<sub>2</sub>  
 500 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8 – 1.6 mm  
 Torch geometries: 0°/22°/35°/45°

**ABIROB® W600**

Type of cooling: liquid cooled  
 Rating: 600 A CO<sub>2</sub>  
 550 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8 – 1.6 mm  
 Torch geometries: 0°/22°/35°/45°

**Note on the technical data:**

Rating data was determined under normal conditions at low to medium reflected heat, free air circulation and at 28° C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 – 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ABIROB® W" liquid cooled Torch Necks & Wear Parts

## ABIROB® W300



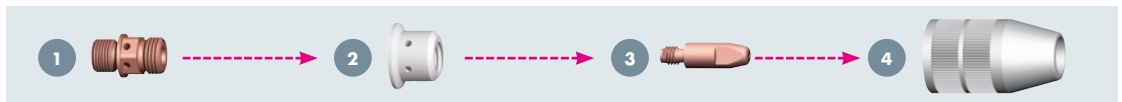
### Torch neck

	Part-No.	
Features	22°	45°
Standard	782.0110.1	782.0111.1
with gas nozzle sensor*	782.0014.1	782.0015.1

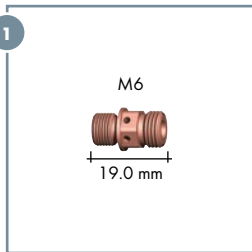
Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

\*Gas nozzle sensor connection for tactile seam location via gas nozzle

## Wear parts for ABIROB® W300

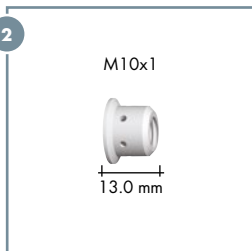


### 1 Contact tip holder (10 pcs.)



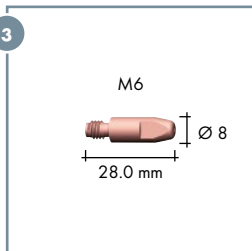
Type	Part-No.
M6 Copper	785.5052

### 2 Gas diffuser (10 pcs.)



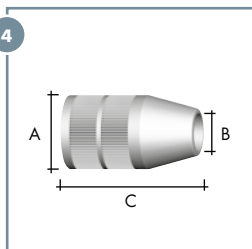
Type	Part-No.
Standard	962.0657
High temperature resistant (ceramic)	962.1341

### 3 Contact tip (10 pcs.)



Type	Wire-Ø	Part-No.
CuCrZr	Ø 0.8	140.0054
	Ø 0.9	140.0172
	Ø 1.0	140.0245
	Ø 1.2	140.0382

### 4 Gas nozzle (10 pcs.)



Type conical	Ø A	Ø B	Length C	Part-No.
Recess (-1.0 mm) <sup>2</sup>	Ø 25.0	Ø 13.0	48.5 mm	145.0564
Stick-out (+3.0 mm) <sup>3</sup>	Ø 25.0	Ø 13.0	44.5 mm	145.0495.10
Stick-out (+3.0 mm) <sup>3</sup>	Ø 25.0	Ø 15.5	44.5 mm	145.0494.10

<sup>2</sup> Recess: Contact tip recessed

<sup>3</sup> Stick-out: Contact tip protruding

# "ABIROB® W" liquid cooled Torch Necks & Wear Parts

## ABIROB® W500



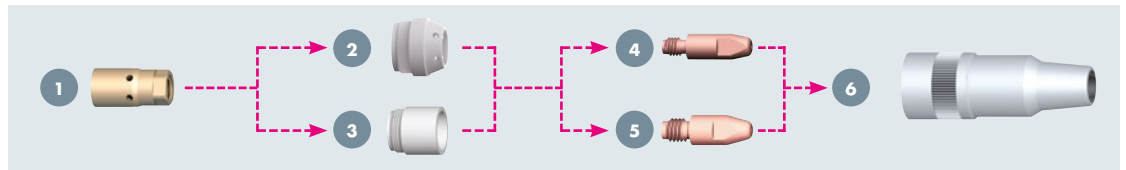
### Torch neck

Features	Part-No.			
	0°	22°	35°	45°
Standard	782.0080.1	782.0076.1	782.0077.1	782.0078.1
Standard (+100)	782.0106.1	782.0107.1	782.0108.1	782.0109.1
with gas nozzle sensor*	782.0079.1	782.0003.1	782.0004.1	782.0005.1
with gas nozzle sensor* (+100)	782.0088.1	782.0089.1	782.0090.1	782.0091.1

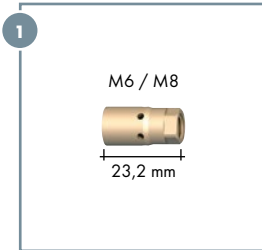
Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

\* Gas nozzle sensor connection for tactile seam location via gas nozzle

### Wear parts for ABIROB® W500



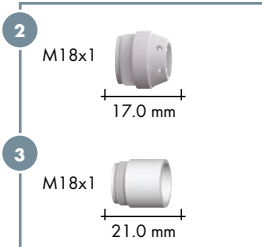
#### 1 Contact tip holder (10 pcs.)



Type	Part-No.
M6 Copper <sup>1</sup>	142.0133.10
M6 Brass	142.0216.10
M8 Copper <sup>1</sup>	142.0151.10
M8 Brass	142.0117.10

<sup>1</sup> Recommended for high amperages.

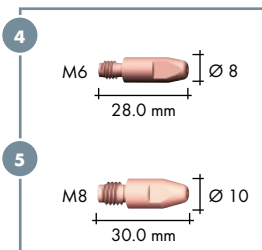
#### 2 Gas diffuser 3 Nozzle insulator (10 pcs.)



Type	Part-No.
Gas diffuser standard	943.0284
Nozzle insulator standard	146.0054.10
Nozzle insulator standard short (L=11.4mm) <sup>2</sup>	146.0064
Nozzle insulator, resistant to high temperatures	146.0059.10

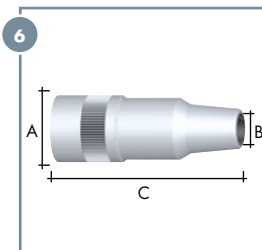
<sup>2</sup> Recommended for applications with galvanized materials in conjunction with gas nozzles 145.0553 and 145.0568.

#### 4 Contact tip M6 5 Contact tip M8 (10 pcs.)



Type	Wire-Ø	Part-No.	
		M6	M8
CuCrZr	Ø 0.8	140.0054	140.0117
	Ø 0.9	140.0172	140.0217
	Ø 1.0	140.0245	140.0316
	Ø 1.2	140.0382	140.0445
	Ø 1.4	-	140.0536
	Ø 1.6	-	140.0590

#### 6 Gas nozzle (10 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Recess (-2.6 mm) <sup>3</sup>	Ø 27.0	Ø 13.0	77.0 mm	145.0556.10
Recess (-1.1 mm) <sup>3</sup>	Ø 27.0	Ø 13.0	75.5 mm	145.0479.10
Recess (-2.6 mm) <sup>3</sup>	Ø 27.0	Ø 15.5	77.0 mm	145.0480.10
Recess (-1.1 mm) <sup>3</sup>	Ø 27.0	Ø 15.5	75.5 mm	145.0544.10
Stick-out (+2.4 mm) <sup>4</sup>	Ø 27.0	Ø 15.5	72.0 mm	145.0466.10

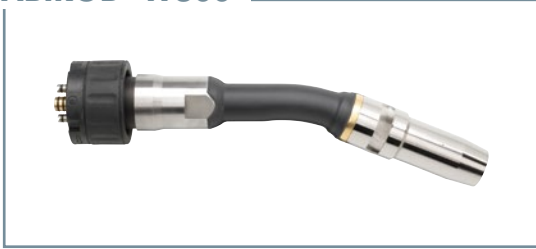
Type conical	Ø A	Ø B	Length C	Part-No.
Recess (-1.1 mm) <sup>3</sup>	Ø 27.0	Ø 15.5	75.5 mm	145.0553.10
Stick-out (+2.4 mm) <sup>4</sup>	Ø 27.0	Ø 15.5	72.5 mm	145.0568.10

<sup>3</sup> Recess: Contact tip recessed

<sup>4</sup> Stick-out: Contact tip protruding

# "ABIROB® W" liquid cooled Torch Necks & Wear Parts

## ABIROB® W600



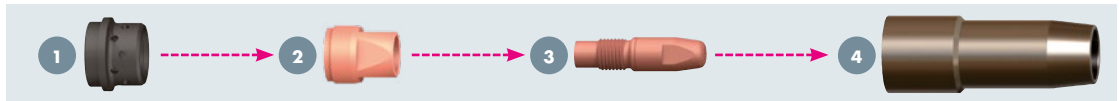
### Torch neck

Features	Part-No.			
	0°	22°	35°	45°
Standard	782.0190.1	782.0191.1	782.0192.1	782.0193.1
Standard (+100)	782.0219.1	782.0220.1	782.0221.1	782.0222.1
with gas nozzle sensor*	782.0213.1	782.0214.1	782.0215.1	782.0216.1
with gas nozzle sensor* (+100)	782.0233.1	782.0234.1	782.0235.1	782.0236.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

\*Gas nozzle sensor connection for tactile seam location via gas nozzle

### Wear parts for ABIROB® W600

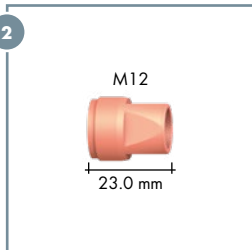


#### 1 Gas diffuser (10 pcs.)



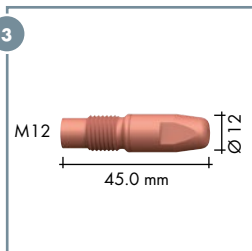
Type	Part-No.
Standard	146.0079.10

#### 2 Contact tip holder (10 pcs.)



Type	Part-No.
M12	142.0214.10

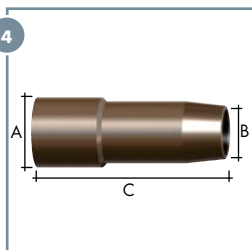
#### 3 Contact tip (10 pcs.)



Type	Wire-Ø	Part-No.
CuCrZr	Ø 1.2	140.1563.10
	Ø 1.4	140.1564.10
	Ø 1.6	140.1565.10
HDS silver plated**	Ø 1.2	147.6563.10
	Ø 1.4	147.6564.10
	Ø 1.6	147.6565.10

\*\*HDS = Heavy Duty Silver Contact Tips

#### 4 Gas nozzle (5 pcs.)



Type conical	Ø A	Ø B	Length C	Part-No.
Flush <sup>1</sup>	34.0	21.5	92.0 mm	145.0686.5
Stick-Out (+ 6.0 mm) <sup>2</sup>	34.0	21.5	86.0 mm	145.0687.5
Recess (- 3.0 mm) <sup>3</sup>	34.0	21.5	95.0 mm	145.0688.5
Flush <sup>1</sup>	34.0	18.0	92.0 mm	145.0689.5

<sup>1</sup> Flush: Contact tip flush

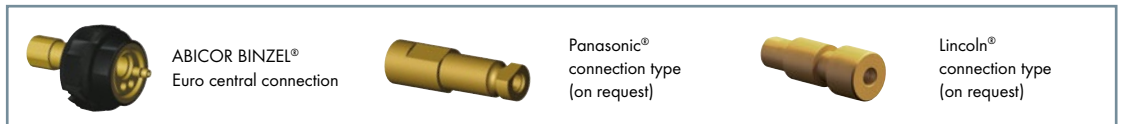
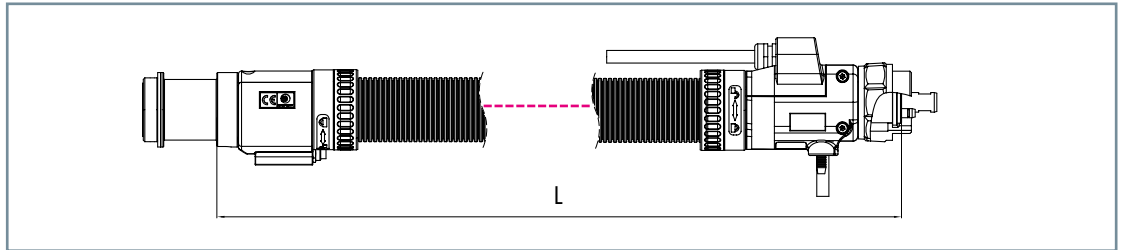
<sup>2</sup> Stick-out: Contact tip protruding

<sup>3</sup> Recess: Contact tip recessed



# "ABIROB® W" liquid cooled Cable Assemblies & Accessoires

## Cable assemblies and connection types



### Cable assemblies ABIROB® W5H

(Recommended for amperages up to 400 A and cable assembly lengths up to 2.50 m.)

with connection type	Length	Part-No.
ABICOR BINZEL®	1.10 m	782.1014.1
Euro central connection	1.35 m	782.1018.1
	1.50 m	782.1020.1

Other lengths are available on request.

The control cable is not pre-wired at the machine end. Power source specific types on request.

The steel liner 0.8-1.2 mm is included in the scope of delivery. Please order other versions separately.

### Cable assemblies ABIROB® W7F

(Recommended for amperages over 400 A.)

with connection type	Length	Part-No.
ABICOR BINZEL®	1.10 m	782.1103.1
Euro central connection	1.35 m	782.1049.1
	1.50 m	782.1099.1

## Liners for Euro central connection<sup>1</sup>

Type	Wire-Ø	up to L=1.5 m <sup>4</sup>	up to L=3.15 m <sup>4</sup>	10.0 m <sup>5</sup>	Collet
Liner steel <sup>2</sup>	Ø 0.8-1.2	124.0145.1	124.0146.1	124.0159.1	131.0012
Liner steel <sup>2</sup>	Ø 1.4-1.6	124.0147	124.0148	124.0160	131.0011
Combined wire feed <sup>3</sup>	Ø 0.8-1.2	128.M008	128.M009	-	131.0019
	Ø 1.4-1.6	128.M012	128.M013	-	131.0020

<sup>1</sup> Liners for other connection types are available on request.

<sup>2</sup> Steel liners (insulated) for the use of non-alloyed and low-alloyed steels. The completely insulated wire feed prevents damage caused by "micro-arcing" on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors.

<sup>3</sup> Combined wire feed - for aluminium or bronze wires - is a combination of PA-liner and a bronze liner pressed on in the front section to avoid thermal overload of the PA.

<sup>4</sup> Including 1x collet

<sup>5</sup> For individual production including 2x collets

## Accessories



Description	Part-No.
1 Thread cutter M10x1 (for inner tube)	191.0085
2 Alignment tool (to align inner tube with outer tube)	191.0090.1
3 Pin wrench (to unscrew the connection)	191.0115

### Alignment jig

for torch neck	torch geometry	Part-No.
ABIROB® W300	22°/45°	837.0484.1
ABIROB® W500 / W500 (+100 mm)	0°/22°/35°/45°	837.0950.1
ABIROB® W600 / W600 (+100 mm)	0°/22°/35°/45°	837.0860.1

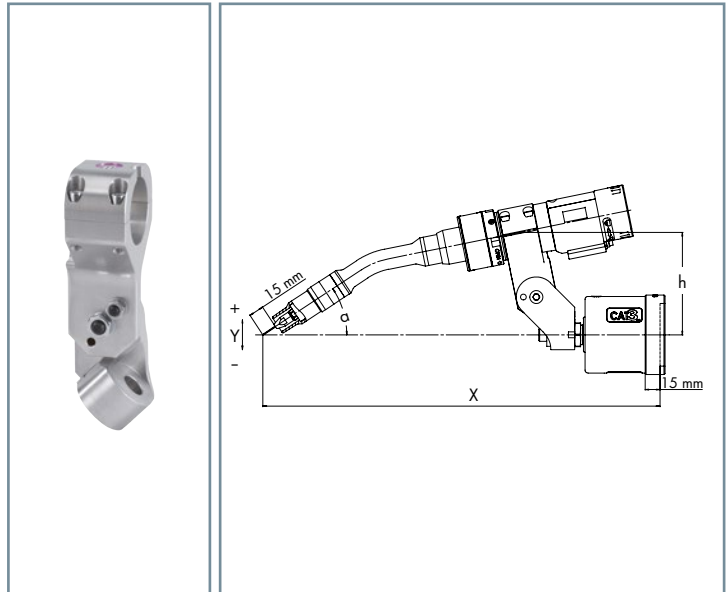


# "ABIROB® W" liquid cooled Holder & TCP Geometries

## CAT3 holder for ABIROB® W

in connection with CAT3 cpl.

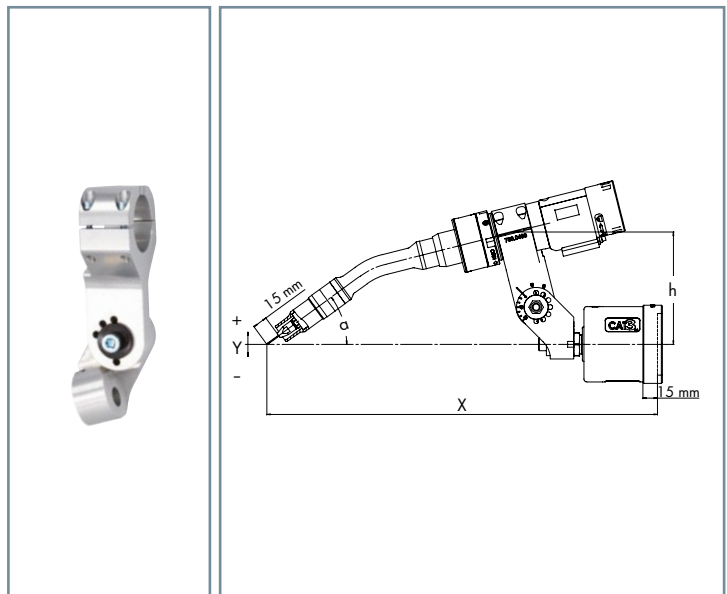
Torch type	Torch geometry	X	Y	h	a	Part-No.
		(mm)				
ABIROB® W300	22°	437	0	102	36°	780.0430.1
ABIROB® W500	45°	416	0	104	53°	780.0430.1
ABIROB® W500	22°	399	0	103	33°	780.0430.1
ABIROB® W500	35°	383	0	104	40°	780.0430.1
ABIROB® W500	45°	370	0	105	45°	780.0430.1
ABIROB® W500 (+100 mm)	22°	499	0	104	30°	780.0430.1
ABIROB® W500 (+100 mm)	35°	484	0	105	39°	780.0430.1
ABIROB® W500 (+100 mm)	45°	470	0	105	45°	780.0430.1
ABIROB® W600	22°	440	0	104	32°	780.0430.1
ABIROB® W600	35°	424	0	105	39°	780.0430.1
ABIROB® W600	45°	410	0	105	44°	780.0430.1
ABIROB® W600 (+100 mm)	22°	540	0	104	29°	780.0430.1
ABIROB® W600 (+100 mm)	35°	525	0	105	38°	780.0430.1
ABIROB® W600 (+100 mm)	45°	510	0	105	44°	780.0430.1



## Segment holder für ABIROB® W<sup>1</sup>

in connection with CAT3

Torch type	Torch geometry	X	Y	h	a	Part-No.
		(mm)				
ABIROB® W300	22°	440	+10	115	36°	780.0433.1
ABIROB® W500	45°	413	-19	115	59°	780.0433.1
ABIROB® W500	22°	400	0	115	36°	780.0433.1
ABIROB® W500	35°	383	0	117	43°	780.0433.1
ABIROB® W500	45°	368	0	118	48°	780.0433.1
ABIROB® W500 (+100 mm)	22°	497	-24	115	36°	780.0433.1
ABIROB® W500 (+100 mm)	35°	475	-51	115	49°	780.0433.1
ABIROB® W500 (+100 mm)	45°	453	-70	115	59°	780.0433.1
ABIROB® W600	22°	439	-11	115	36°	780.0433.1
ABIROB® W600	35°	416	-40	115	49°	780.0433.1
ABIROB® W600	45°	393	-61	115	59°	780.0433.1
ABIROB® W600 (+100 mm)	22°	536	-36	115	36°	780.0433.1
ABIROB® W600 (+100 mm)	35°	513	-64	115	49°	780.0433.1
ABIROB® W600 (+100 mm)	45°	490	-86	115	49°	780.0433.1



Further holders are available on request.

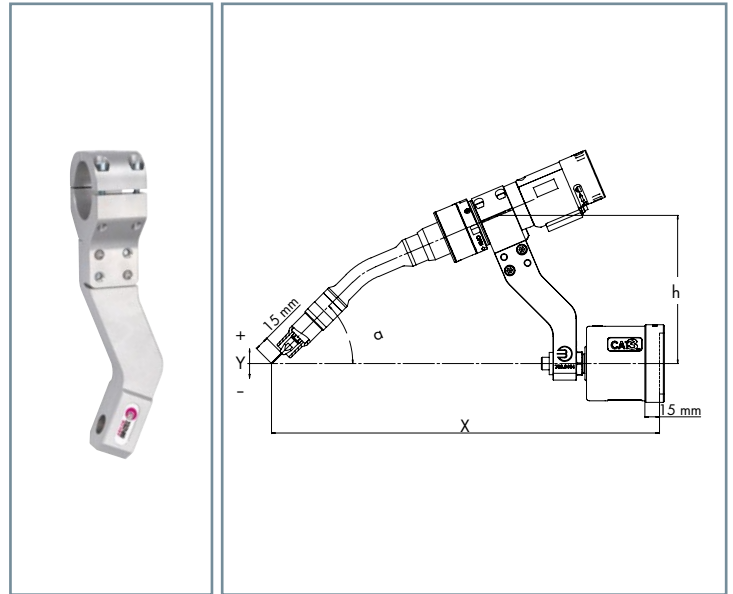
<sup>1</sup> Holder adjustable in 15° steps

# "ABIROB® W" liquid cooled Holder & TCP Geometries

## Fixed bracket for ABIROB® W

in connection with CAT3

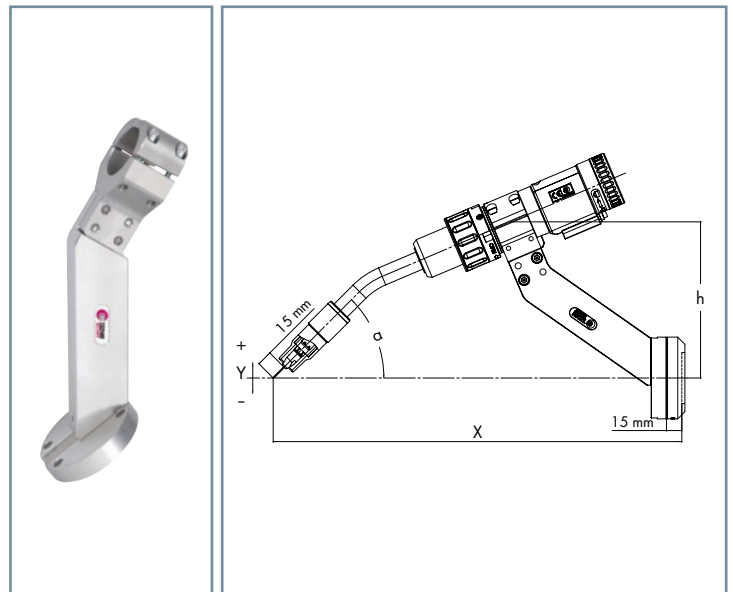
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
		(mm)				
ABIROB® W300	22°	400	0	149	45°	780.0444.1
	45°	400	0	90	50°	780.0446.1
ABIROB® W500	22°	400	0	153	45°	780.0414.1
	35°	400	0	125	45°	780.0420.1
	45°	400	0	126	50°	780.0422.1
ABIROB® W500 (+100 mm)	22°	500	0	192	45°	780.0438.1
	35°	500	0	142	45°	780.0440.1
	45°	500	0	134	50°	780.0442.1
ABIROB® W600	22°	400	0	170	45°	780.0781.1
	35°	400	0	136	45°	780.0782.1
	45°	400	0	135	50°	780.0784.1
ABIROB® W600 (+100 mm)	22°	500	0	209	45°	780.0785.1
	35°	500	0	153	45°	780.0786.1
	45°	500	0	144	50°	780.0788.1



## RTM holder for ABIROB® W

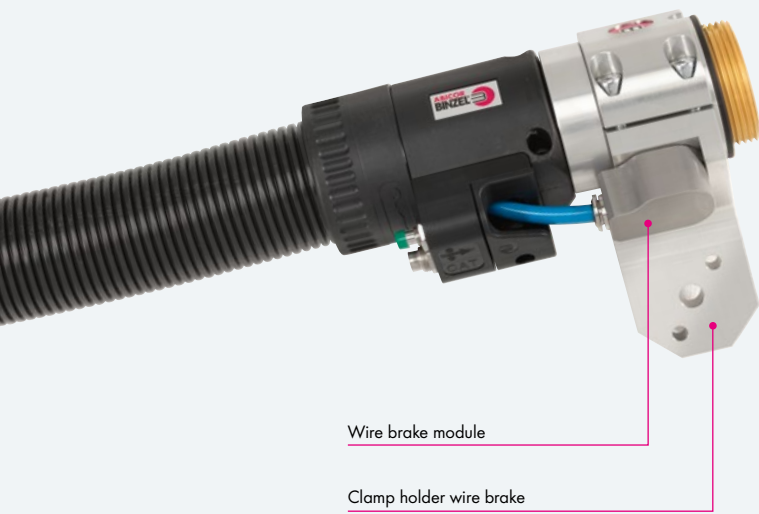
for robots with collision software

Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
		(mm)				
ABIROB® W300	22°	400	0	149	45°	780.0459.1
	45°	400	0	90	50°	780.0461.1
ABIROB® W500	22°	400	0	153	45°	780.0449.1
	35°	400	0	125	45°	780.0451.1
	45°	400	0	105	50°	780.0453.1
ABIROB® W500 (+100 mm)	22°	500	0	192	45°	780.0455.1
	35°	500	0	142	45°	780.0457.1
	45°	500	0	105	45°	780.0453.1
ABIROB® W600	22°	400	0	170	45°	780.0789.1
	35°	400	0	136	45°	780.0790.1
	45°	400	0	135	50°	780.0792.1
ABIROB® W600 (+100 mm)	22°	500	0	198	45°	780.0793.1
	35°	500	0	153	45°	780.0794.1
	45°	500	0	144	50°	780.0796.1



Further holders are available on request.

# "ABIROB® W" liquid cooled Wire Brake Function



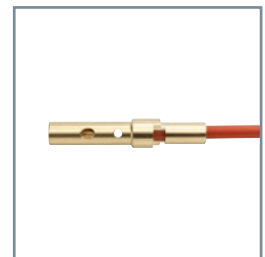
For tactile component search using the established ABIROB® W cable assembly, cable assemblies can now come with an optional wire clamp function to fix the wire. This function enables locking the wire in the cable assembly via a pneumatically operated piston that pushes the wire against an abutment. This ensures that the wire remains in position during sensing.

### Arguments that speak for themselves:

- No displacement of wire through torch movement or contact with materials
- Guaranteed "Stick-Out" during tactile sensing
- Nearly every variation of the ABIROB® W cable assembly can be factory fitted with a wire brake function

### Neck-Liners for wire brake

for torch neck	for	Wire-Ø	Length	Part-No.
ABIROB® W300	steel	1.0- 1.2	255 mm	149.0344.5
ABIROB® W500	steel	1.0- 1.2	222 mm	149.0287.5
		1.4- 1.6	222 mm	149.0289.5
ABIROB® W600	steel	1.0- 1.2	248 mm	149.0350.5
		1.0- 1.2	348 mm	on request
		1.4- 1.6	248 mm	149.0333.5
		1.4- 1.6	348 mm	149.0334.5



### Cable assemblies with wire brake function

#### Cable assemblies ABIROB® W5H

(Recommended for amperages up to 400 A and cable assembly lengths up to 2.50 m.)

with connection type	Length	Part-No.
ABICOR BINZEL®	1.10 m	782.1096.1
Euro central connection	1.35 m	782.1097.1
	1.50 m	782.1098.1

#### Cable assemblies ABIROB® W7F

(Recommended for amperages over 400 A.)

with connection type	Length	Part-No.
ABICOR BINZEL®	1.10 m	782.1100.1
Euro central connection	1.35 m	782.1101.1
	1.50 m	782.1102.1

Other lengths are available on request.

The control cable is not pre-wired at the machine end. Power source specific types on request.

The steel liner 0.8-1.2 mm is included in the scope of delivery. Please order other versions separately.

# MIG/MAG Welding Torch System

## “ABIROB® A ECO” air cooled



### Simple & effective ...

The ABIROB® A ECO product line – groundbreaking in its design, trend-setting in standardisation – guarantees consistent precision and an economic welding process thanks to its robust construction and simple handling.

Thanks to the innovative interlock mechanism, the torch system allows a simple and fast change of cable assemblies while the TCP remains the same.

### Advantages that speak for themselves:

- Simple and compact modular design – easy to service
- Slim design – optimum accessibility
- High stability and reproducibility – maximum TCP safety even in the event of a “crash”
- Innovative interlock system – straightforward and quick change of the cable assembly with constant TCP

### Degree of automation:

Low	Medium	High
-----	--------	------

### Application areas:



- Automotive construction
- Automotive suppliers (Tier 1, Tier 2)
- Bicycle industry
- Container construction
- Aviation- and aerospace industry

### Material:

- Construction steels (coated / non-coated)
- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Copper materials
- Special materials

### Robot interface:

- Conventional robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM
- Hollow wrist robot  
(Cable assembly internal):
  - Robot mount iCAT
  - Bracket iSTM (for robots with integrated collision software)
- Hollow wrist robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM

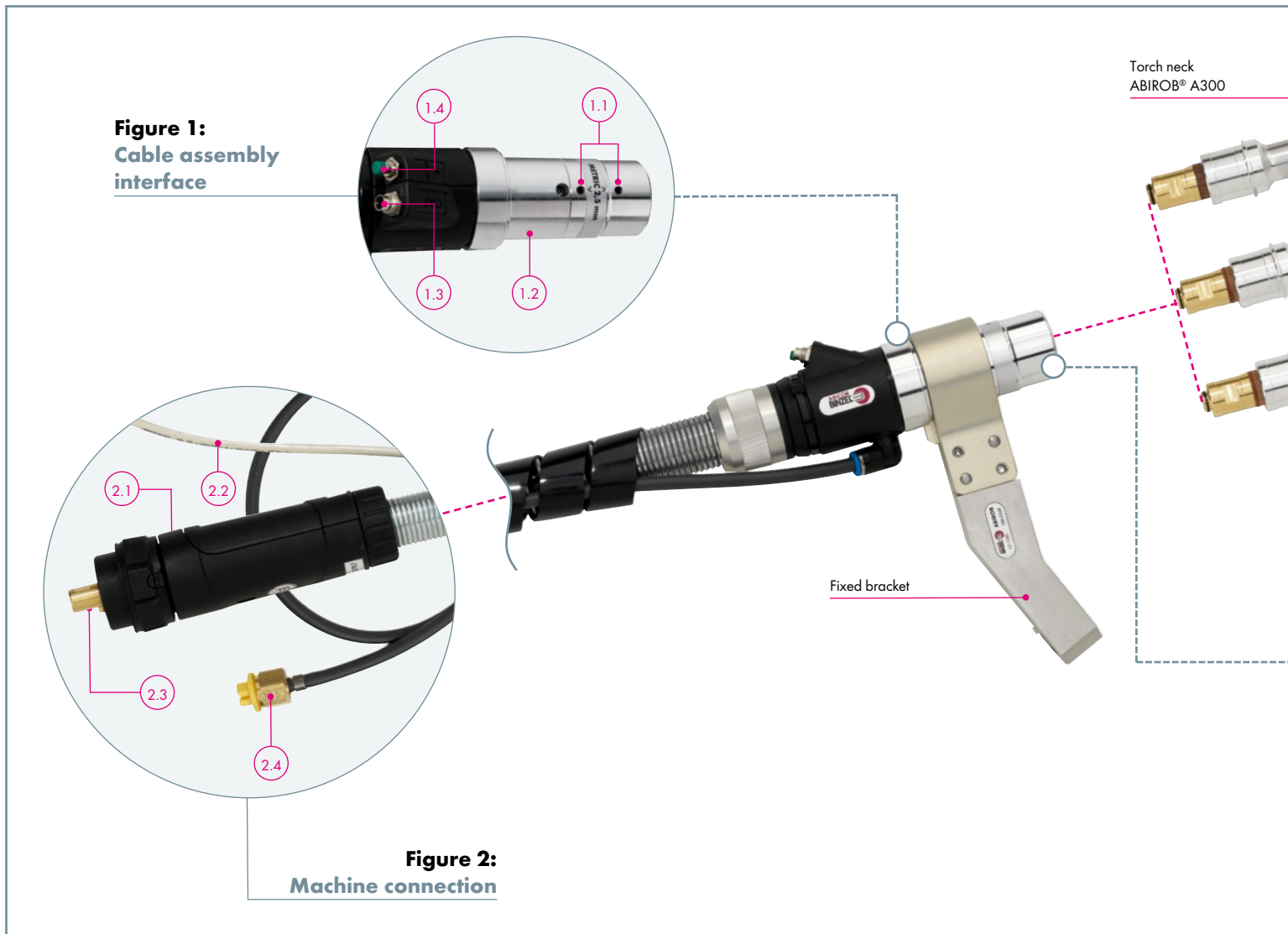
### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

up to  
500 A



# “ABIROB® A ECO” air cooled System Overview & Technical Data

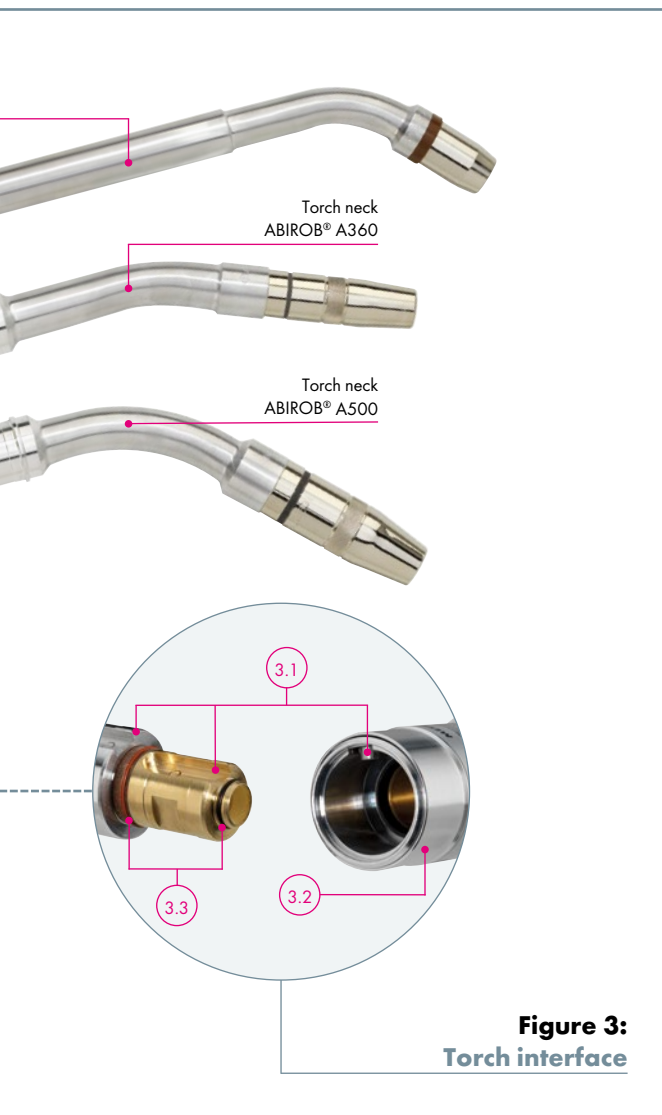


**Figure 1:**  
Cable assembly interface

- 1.1 Clamping screws for safe clamping of the torch neck, covered by spatter protection ring
- 1.2 Solid housing for torch neck attachment using the tried-and-trusted INTERLOCK system for reproducible processes
- 1.3 CAT3 connection
- 1.4 Wire feed button

**Figure 2:**  
Machine connection

- 2.1 Sturdy bend-resistant casing with strain relief spring
- 2.2 High-quality control cable with strain relief (control cable connector on request)
- 2.3 Machine connection available for all standard wire feeders
- 2.4 External connection for airblast function with blanking plug



**Figure 3:**  
Torch interface

**Figure 3:**  
Torch interface

- 3.1 Fast torch neck change thanks to double groove guidance
- 3.2 Rotatable ring for optimum protection of the screw openings
- 3.3 O-rings ensure a gas-tight connection



**Technical data (EN 60 974-7):**

**ABIROB® A300**

Type of cooling: air cooled  
 Rating: 300 A CO<sub>2</sub>  
 250 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8-1.4 mm  
 Torch geometries: 45°

**ABIROB® A360**

Type of cooling: air cooled  
 Rating: 360 A CO<sub>2</sub>  
 290 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8-1.4 mm  
 Torch geometries: 0°/22°/35°/45°

**ABIROB® A500**

Type of cooling: air cooled  
 Rating: 500 A CO<sub>2</sub>  
 400 A Mixed gases M21 (EN ISO 14175)  
 Duty cycle: 100 %  
 Wire-Ø: 0.8-1.6 mm  
 Torch geometries: 0°/22°/35°/45°

**Note on the technical data:**

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28°C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 - 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ABIROB® A ECO" air cooled Torch Necks & Wear Parts

## ABIROB® A300

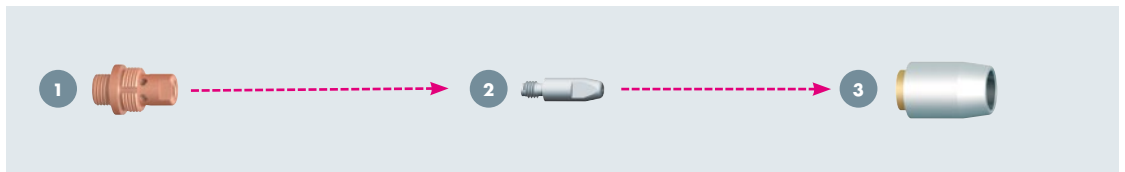


### Torch necks

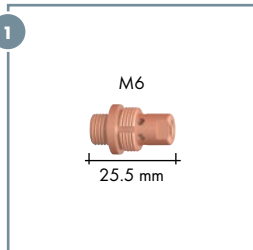
Features	Part-No.
Standard	980.1146.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

## Wear parts for ABIROB® A300



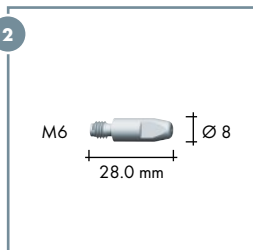
### 1 Contact tip holder (10 pcs.)



Type	Part-No.
M6 Copper <sup>1</sup>	142.0171.10

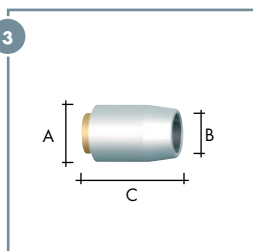
<sup>1</sup> Recommended for high amperages.

### 2 Contact tip M6 (10 pcs.)



Type	Wire-Ø	Part-No.
CuCrZr silver-plated	Ø 0.8	147.0054
	Ø 0.9	147.0172
	Ø 1.0	147.0245
	Ø 1.2	147.0382
	Ø 1.4	147.0519

### 3 Gas nozzle (10 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Flush <sup>2</sup>	Ø 22.0	Ø 14.4	32.0 mm	145.0671.5
Stick-out (+3.0 mm) <sup>3</sup>	Ø 22.0	Ø 14.4	29.0 mm	145.0677.5

<sup>2</sup> Flush: Contact tip flush

<sup>3</sup> Stick-out: Contact tip protruding



# "ABIROB® A ECO" air cooled Torch Necks & Wear Parts

## ABIROB® A360

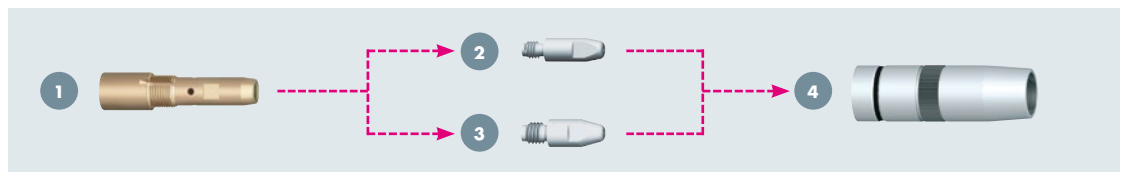


### Torch necks

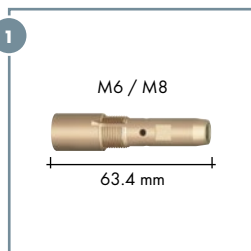
Features	Part-No.			
	0°	22°	35°	45°
Standard	980.1023.1	980.1024.1	980.1025.1	980.1026.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

## Wear parts for ABIROB® A360



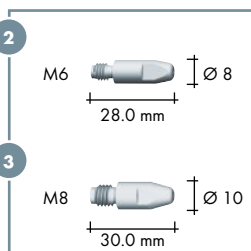
### 1 Contact tip holder (5 pcs.)



Type	Part-No.
M6 Brass	142.0160.5
M8 Brass	142.0163.5
M6 Copper <sup>1</sup>	142.0196.5
M8 Copper <sup>1</sup>	142.0170.5

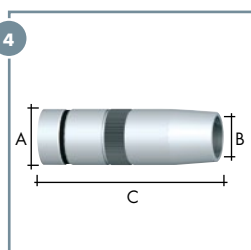
<sup>1</sup> Recommended for high amperages.

### 2 Contact tip M6 3 Contact tip M8 (10 pcs.)



Type	Wire-Ø	Part-No.	
		M6	M8
CuCrZr silver-plated	Ø 0.8	147.0054	147.0117
	Ø 0.9	147.0172	147.0217
	Ø 1.0	147.0245	147.0316
	Ø 1.2	147.0382	147.0445
	Ø 1.4	147.0519	147.0536

### 4 Gas nozzle (10 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Flush <sup>2</sup>	Ø 22.0	Ø 12.0	68.0 mm	145.0599
Recess (-2.0 mm) <sup>3</sup>	Ø 22.0	Ø 12.0	70.0 mm	145.0600
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 12.0	65.0 mm	145.0601
Flush <sup>2</sup>	Ø 22.0	Ø 14.0	68.0 mm	145.0618
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 14.0	65.0 mm	145.0619

Type conical	Ø A	Ø B	Length C	Part-No.
Flush <sup>2</sup>	Ø 22.0	Ø 14.0	68.0 mm	145.0595
Recess (-2.0 mm) <sup>3</sup>	Ø 22.0	Ø 14.0	70.0 mm	145.0596
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 14.0	65.0 mm	145.0597
Flush <sup>2</sup>	Ø 22.0	Ø 16.0	68.0 mm	145.0592
Recess (-2.0 mm) <sup>3</sup>	Ø 22.0	Ø 16.0	70.0 mm	145.0593
Stick-out (+3.0 mm) <sup>4</sup>	Ø 22.0	Ø 16.0	65.0 mm	145.0594

<sup>2</sup> Flush: Contact tip flush

<sup>3</sup> Recess: Contact tip recessed

<sup>4</sup> Stick-out: Contact tip protruding

# "ABIROB® A ECO" air cooled Torch Necks & Wear Parts

## ABIROB® A500

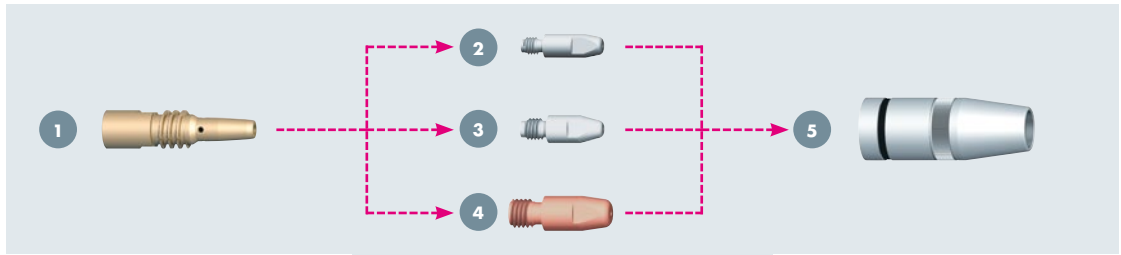


### Torch necks

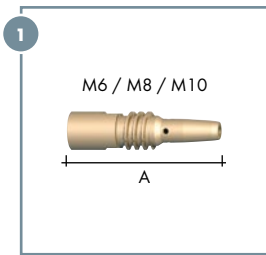
Features	Part-No.			
	0°	22°	35°	45°
Standard	980.1012.1	980.1013.1	980.1014.1	980.1015.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

### Wear parts for ABIROB® A500



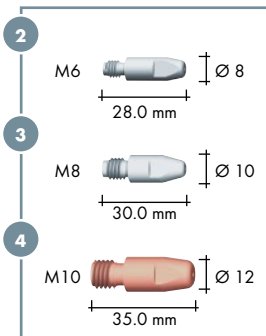
#### 1 Contact tip holder (5 pcs.)



Type	Length A	Part-No.
M6 Brass	70.0 mm	142.0159.5
M8 Brass	70.0 mm	142.0158.5
M8 Copper <sup>1</sup>	70.0 mm	142.0169.5
M10 Copper <sup>1</sup>	67.0 mm	142.0228.5

<sup>1</sup> Recommended for high amperages.

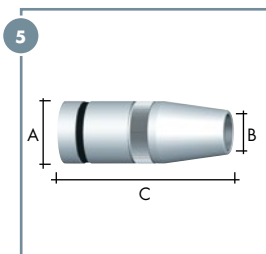
#### 2 Contact tip M6 3 Contact tip M8 4 Contact tip M10 (10 pcs.)



Type	Wire-Ø	Part-No.		
		M6 <sup>2</sup>	M8 <sup>2</sup>	M10
CuCrZr	Ø 0.8	147.0054	147.0117	-
	Ø 0.9	147.0172	147.0217	-
	Ø 1.0	147.0245	147.0316	140.0348
	Ø 1.2	147.0382	147.0445	140.0481
	Ø 1.4	147.0519	147.0536	140.0547
	Ø 1.6	-	147.0590	140.0616

<sup>2</sup> silver-plated

#### 5 Gas nozzle (5 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Flush <sup>3</sup>	Ø 28.0	Ø 14.0	75.0 mm	145.0586
Recess (-2.0 mm) <sup>4</sup>	Ø 28.0	Ø 14.0	77.0 mm	145.0587
Stick-out (+3.0 mm) <sup>5</sup>	Ø 28.0	Ø 14.0	72.0 mm	145.0588
Flush <sup>3</sup>	Ø 28.0	Ø 16.0	75.0 mm	145.0583
Recess (-2.0 mm) <sup>4</sup>	Ø 28.0	Ø 16.0	77.0 mm	145.0584
Stick-out (+3.0 mm) <sup>5</sup>	Ø 28.0	Ø 16.0	72.0 mm	145.0585

Type bottle form	Ø A	Ø B	Length C	Part-No.
Flush <sup>3</sup>	Ø 28.0	Ø 13.0	75.0 mm	145.0589
Recess (-2.0 mm) <sup>4</sup>	Ø 28.0	Ø 13.0	77.0 mm	145.0590
Stick-out (+3.0 mm) <sup>5</sup>	Ø 28.0	Ø 13.0	72.0 mm	145.0591
Flush <sup>3</sup>	Ø 28.0	Ø 16.0	75.0 mm	145.0580
Recess (-2.0 mm) <sup>4</sup>	Ø 28.0	Ø 16.0	77.0 mm	145.0581
Stick-out (+3.0 mm) <sup>5</sup>	Ø 28.0	Ø 16.0	72.0 mm	145.0582

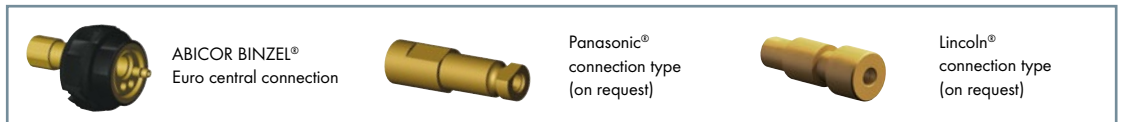
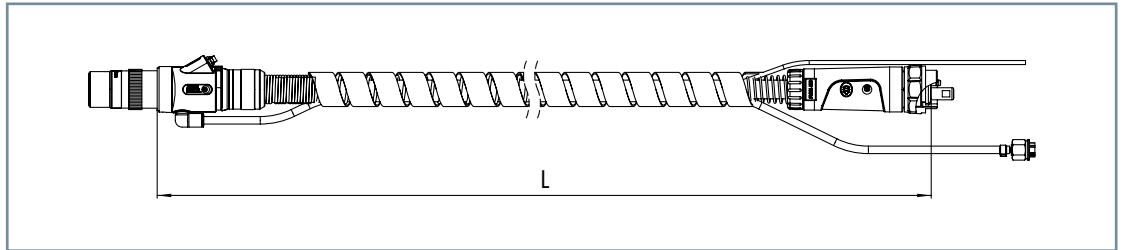
<sup>3</sup> Flush: Contact tip flush

<sup>4</sup> Recess: Contact tip recessed

<sup>5</sup> Stick-out: Contact tip protruding

# "ABIROB® A ECO" air cooled Cable Assemblies & Accessories

## Cable assemblies and connection types



### Cable assemblies cpl. ABIROB® A ECO

with connection type	Length	Part-No.
ABICOR BINZEL®	1.15 m	980.1066
Euro central connection	1.20 m	980.1067
	1.30 m	980.1068
	1.45 m	980.1069

### Cable assemblies cpl. ABIROB® A ECO

with connection type	Length	Part-No.
ABICOR BINZEL®	1.60 m	980.1070
Euro central connection	2.15 m	980.1097
	3.15 m	980.1098

The control cable is not pre-wired at the machine end. Power source specific types on request.

The steel liner  $\varnothing$  0.8-1.2 mm is included in the scope of delivery. Please order other versions separately.

## Liners for Euro central connection<sup>1</sup>

Type	Wire- $\varnothing$	up to L=1.6 m <sup>3</sup>	up to L=3.15 m <sup>3</sup>	10.0 m <sup>4</sup>	Collet
Liner steel <sup>2</sup>	$\varnothing$ 0.8-1.2	124.0145.1	124.0146.1	124.0159.1	131.0012
Liner steel <sup>2</sup>	$\varnothing$ 1.4-1.6	124.0147	124.0148	124.0160	131.0011

<sup>1</sup> Liners for other connection types are available on request.

<sup>2</sup> Steel liners (insulated) for the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by "micro-arcing" on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors. Liners for aluminium and special wires on request.

<sup>3</sup> Including 1x collet

<sup>4</sup> For individual production including one collet

## Accessories



Description	Part-No.
Alignment tool (to align inner tube with outer tube)	191.0090.1
Gas nozzle sensor clip ABIROB® A360 (without figure)	980.1099
Gas nozzle sensor clip ABIROB® A500 (without figure)	980.1100



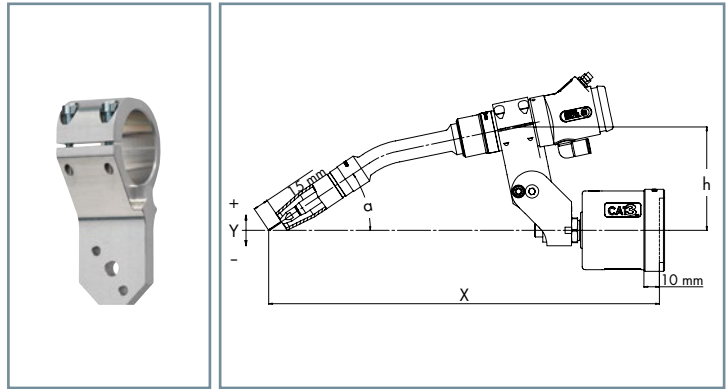
Alignment jig for torch type	Torch geometry	Part-No.
ABIROB® A300	45°	837.0600
ABIROB® A360 / A500	0° / 22° / 35° / 45°	837.0500

# "ABIROB® A ECO" air cooled Holder & TCP Geometries

## Clamp holder for ABIROB® A ECO

in connection with CAT3 cpl.

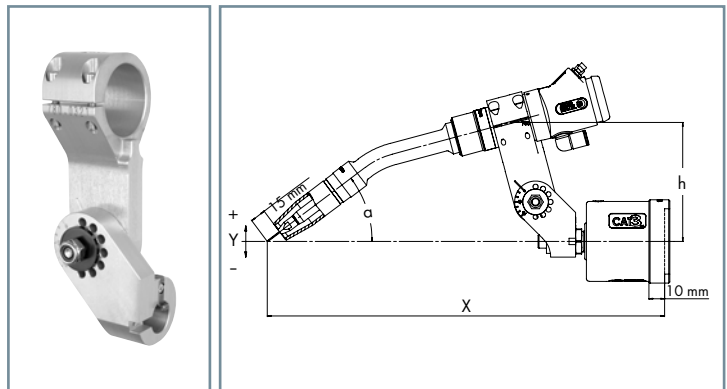
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
		(mm)				
ABIROB®	0°	393	0	97	21°	780.0259
A360	22°	376	0	101	34°	780.0259
	35°	361	0	102	40°	780.0259
	45°	348	0	103	44°	780.0259
ABIROB®	0°	393	0	97	21°	780.0259
A500	22°	376	0	101	34°	780.0259
	35°	361	0	102	40°	780.0259
	45°	348	0	103	44°	780.0259



## Segment holder for ABIROB® A ECO<sup>1</sup>

in connection with CAT3

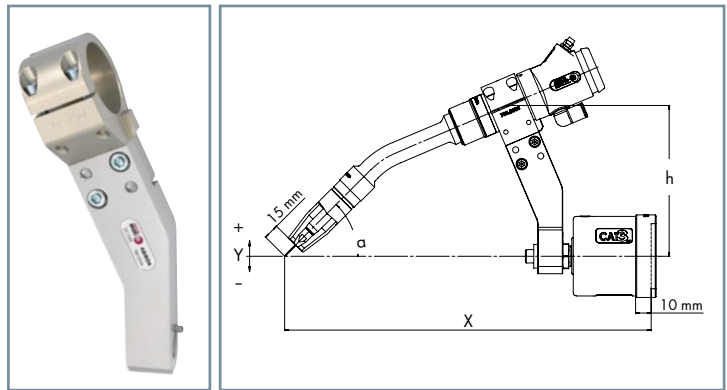
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
		(mm)				
ABIROB®	0°	399	46	114	15°	780.0321.1
A360	22°	377	0	114	37°	780.0321.1
	35°	355	-27	114	50°	780.0321.1
	45°	332	-47	114	60°	780.0321.1
ABIROB®	0°	399	46	114	15°	780.0321.1
A500	22°	377	0	114	37°	780.0321.1
	35°	355	-27	114	50°	780.0321.1
	45°	332	-47	114	60°	780.0321.1



## Fixed bracket for ABIROB® A ECO

in connection with CAT3

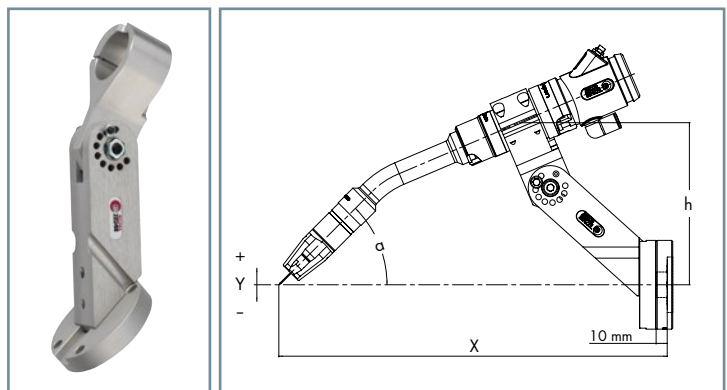
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
		(mm)				
ABIROB®	22°	350	0	146	45°	780.0833.1
A360	35°	350	0	123	45°	780.0835.1
	45°	350	0	107	45°	780.0380.1
ABIROB®	22°	350	0	146	45°	780.0833.1
A500	35°	350	0	123	45°	780.0835.1
	45°	350	0	107	45°	780.0380.1



## RTM holder for ABIROB® A ECO<sup>2</sup>

for robots with collision software

Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
		(mm)				
ABIROB®	0°	378	42	146	23°	780.0195
A360	22°	324	0	146	45°	780.0195
	35°	324	-24	146	58°	780.0195
	45°	399	-40	146	68°	780.0195
ABIROB®	0°	378	42	146	23°	780.0195
A500	22°	324	0	146	45°	780.0195
	35°	324	-24	146	58°	780.0195
	45°	399	-40	146	68°	780.0195



Further holders are available on request.

<sup>1</sup> Holder adjustable in 15° steps.

<sup>2</sup> Holder adjustable in 7.5° steps.

# MIG/MAG Welding Torch System

## “ABIROB® 350GC” air cooled



### Sturdy, durable & economic ...

ABIROB® 350GC – in the typical design of an air cooled CO<sub>2</sub> welding torch – is mainly used for automated welding in the Asian market.

The changeable torch with a high capacity which enables long duty cycles. Its intelligent interface guarantees fast and reproducible maintenance and thus avoids downtimes.

The welding torch system is available for all standard wire feeder connections (ABICOR BINZEL®, MOTOMAN®, PANASONIC®, OTC®).

### Advantages that speak for themselves:

- Compatible with Asian CO<sub>2</sub> torches
- Changeable torch neck with intelligent pin fixing reduces line downtimes and costs
- Optimum temperature behaviour guarantees long service life for wear parts
- High-grade cable assemblies guarantee a long service life
- Sturdy torch design provides high crash stability

### Degree of automation:

Low	Medium	High
-----	--------	------

### Application areas:



- Automobile construction
- Suppliers (Tier 1, Tier 2)
- Bicycle industry
- Container construction

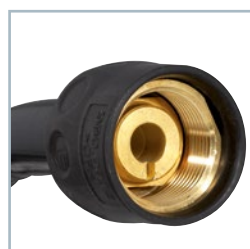
### Material:

- Construction steels (coated / non-coated)
- Chrome-nickel steels
- Duplex steels
- Nickel basic materials

### Robot interface:

- Conventional robot  
(Cable assembly on the outside):
  - Robot mount CAT3
  - Fixed bracket RTM
- Hollow wrist robot  
(Cable assembly on the inside):
  - Robot mount iCAT
  - Bracket iSTM (for robots with integrated collision software)
- Hollow wrist robot  
(Cable assembly on the outside):
  - Robot mount CAT3
  - Fixed bracket RTM

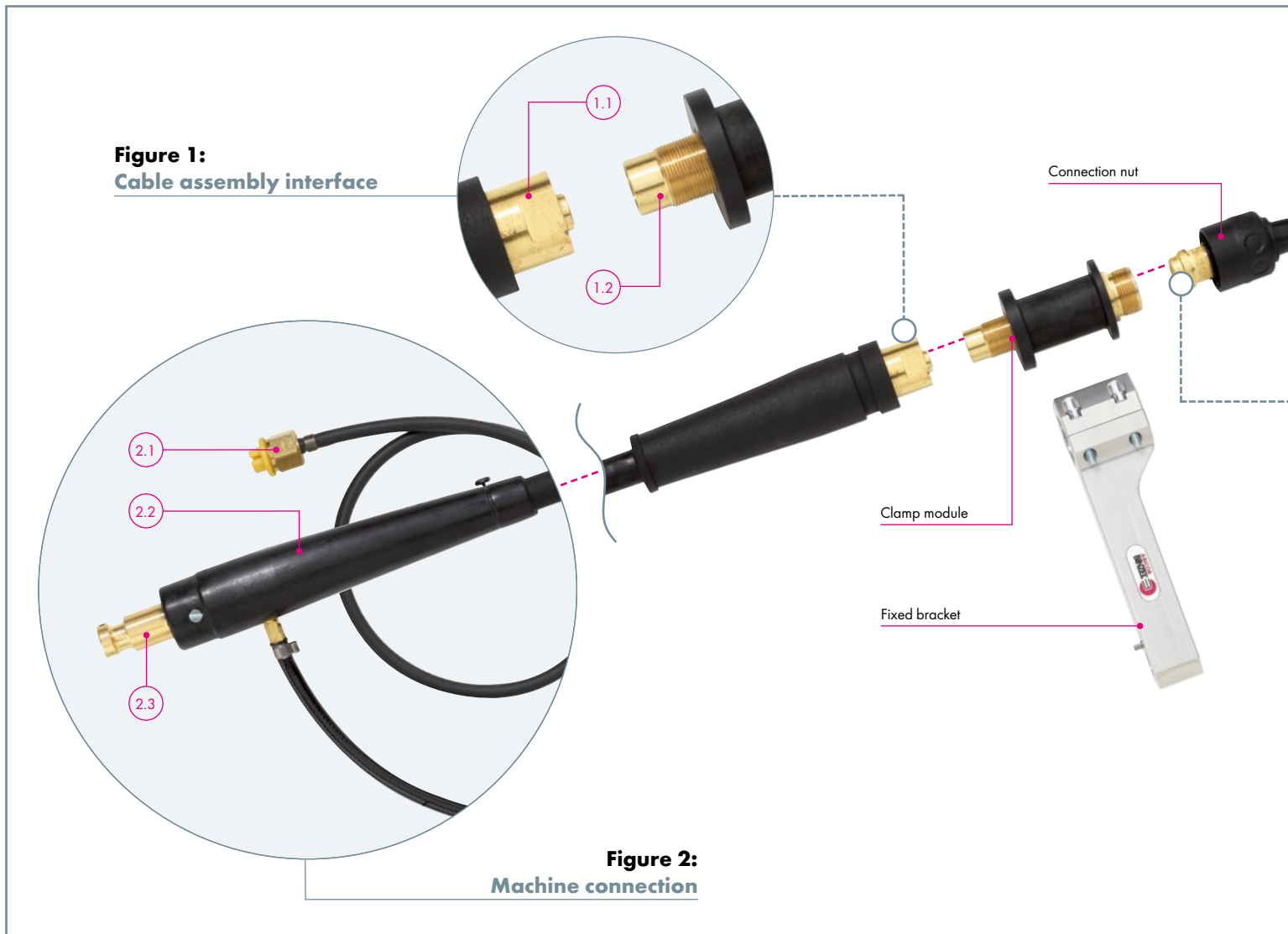
up to  
350 A



### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

# "ABIROB® 350GC" air cooled System Overview & Technical Data

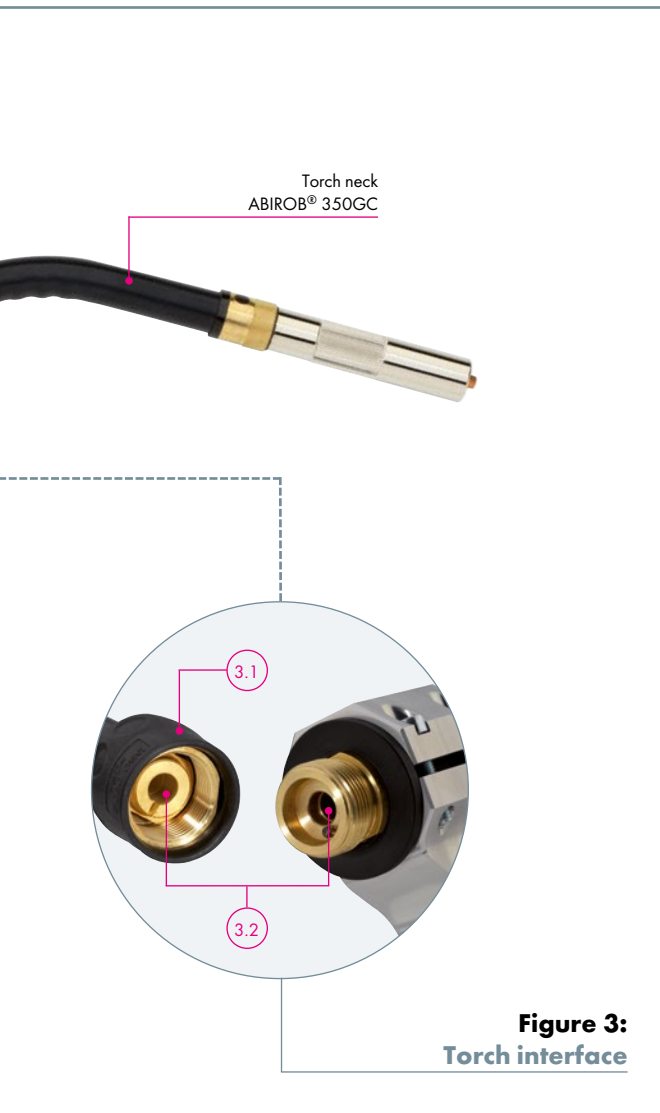


**Figure 1:**  
Cable assembly interface

- 1.1 Straightforward attachment of the cable assembly through connection nut
- 1.2 Clamp module – the holder does not need to be opened for consistent changing of cable assembly and torch neck

**Figure 2:**  
Machine connection

- 2.1 Airblast hose with blanking plug (optional)
- 2.2 Flexible casing for protection in every position
- 2.3 Power connection available for all standard wire feeders



**Figure 3:**  
Torch interface

**Figure 3:**  
Torch interface

- 3.1 High-grip connection nut – for a fast and tight connection
- 3.2 Lock pin and groove – for reproducible torch neck changing



**Technical data (EN 60 974-7):**

**ABIROB® 350GC**

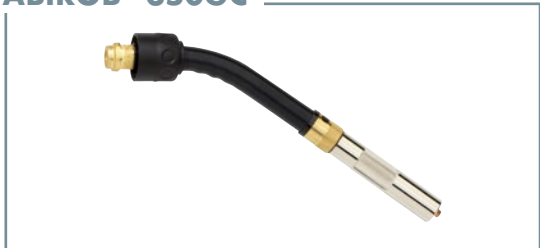
Type of cooling:	air cooled
Rating:	350 A CO <sub>2</sub> 300 A Mixed gases M21 (EN ISO 14175)
Duty cycle:	100 %
Wire-Ø:	0.8- 1.2 mm
Torch geometries:	30°/35°

**Note on the technical data:**

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28° C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 - 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ABIROB® 350GC" air cooled Torch Necks & Wear Parts

## ABIROB® 350GC



### Torch neck

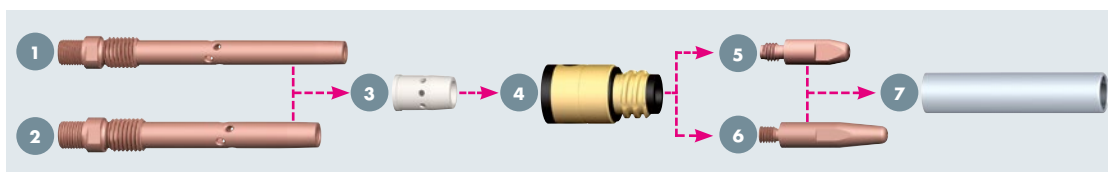
Features	30°	Part-No.	35°
Standard	-		980.0004.1
Short	980.0027.1		-
Long	980.0028.1		-

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

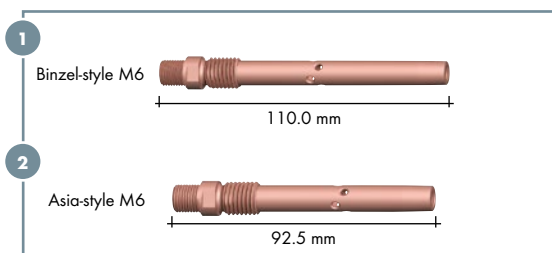
### Neck liner

for	for torch geometry	Wire-Ø	Part-No.
Steel	35° Standard	Ø 0.8-1.2	980.0033.5
Steel	30° short	Ø 0.8-1.2	980.0035.5
Steel	30° long	Ø 0.8-1.2	980.0036.5

## Wear parts for ABIROB® 350GC

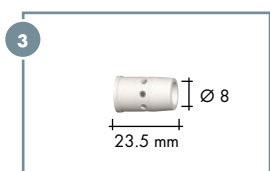


- 1 Binzel-style contact tip holder
- 2 Asia-style contact tip holder (5 pcs.)



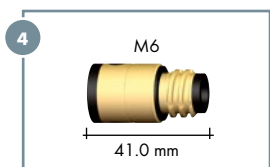
Type	Part-No.
Binzel-style M6 copper	142.0152
Asia-style M6 copper	142.0143.5

- 3 Gas diffuser (10 pcs.)



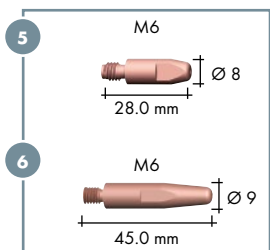
Type	Part-No.
Standard	980.0019.10

- 4 Gas nozzle holder (10 pcs.)



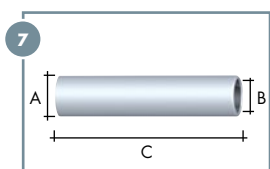
Type	Part-No.
Standard	980.0142.10

- 5 Binzel-style M6 contact tip
- 6 Asia-style M6 contact tip (10 pcs.)



Type	Wire-Ø	Part-No.	
		M6 Binzel-style	M6 Asia-style
CuCrZr	Ø 0.8	140.0054	-
	Ø 0.9	-	140.1355
	Ø 1.0	140.0245	140.1356
	Ø 1.2	140.0382	140.1357

- 7 Gas nozzle (10 pcs.)

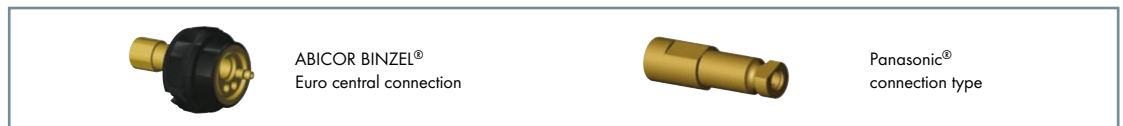
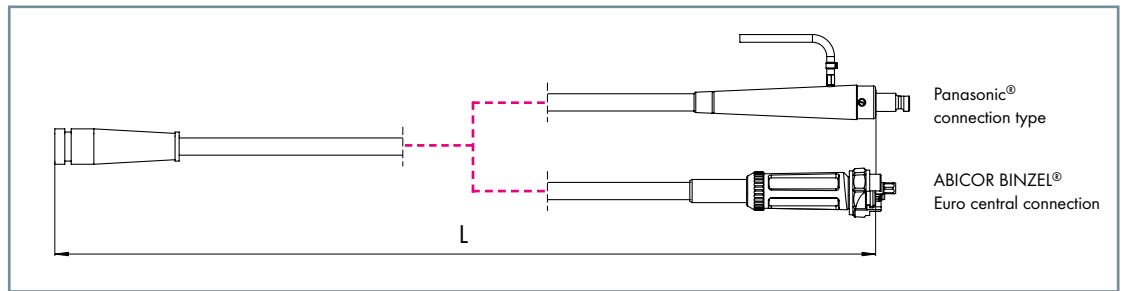


Type	Ø A	Ø B	Length C	Part-No.
Conical	Ø 20.0	Ø 12.0	89.5 mm	145.0558.10
Conical	Ø 20.0	Ø 13.0	89.5 mm	145.0573.10
Bottle form	Ø 20.0	Ø 14.0	89.5 mm	145.0559.10
Cylindrical	Ø 20.0	Ø 15.0	89.5 mm	145.0557.10



# "ABIROB® 350GC" air cooled Cable Assemblies & Accessories

## Cable assemblies and connection types



## Cable assemblies cpl.

with connection type	Length	Part-No.
ABICOR BINZEL® Euro central connection	1.10 m	980.0030
PANASONIC®	1.10 m	980.0029.1

The control cable is not pre-wired at the machine end. Power source specific types on request.  
The steel liner  $\varnothing$  0.8-1.2 mm is included in the scope of delivery. Please order other versions separately.

## Clamp module and connection nut

Type	Part-No.
Clamp module 350GC	980.0006.1
Connection nut	980.0081

## Options

Type	Part-No.
Wire brake module	980.0143.1
CAT3 connection kit	780.0716.1

## Liners

For connection type	Type	Wire- $\varnothing$	to L=1.3 m
ABICOR BINZEL® Euro central connection	Liner steel black <sup>1</sup>	$\varnothing$ 0.8-1.2	124.0145.1
PANASONIC®	Liner steel black <sup>1</sup>	$\varnothing$ 0.8-1.2	124.0147

<sup>1</sup> For the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by "micro-arcing" on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors. Liners for aluminium and special wires on request.

## Accessories



## Alignment jig

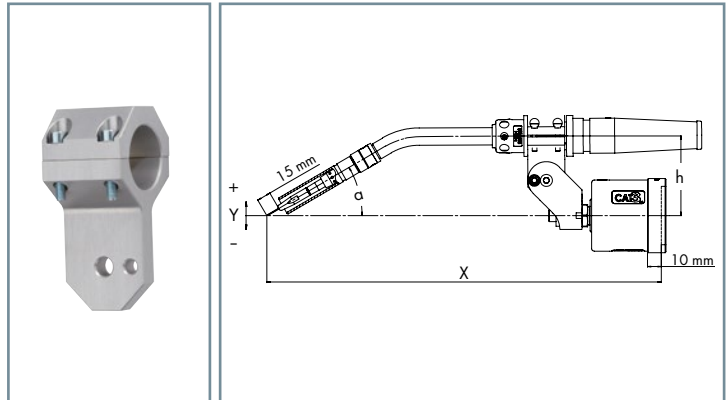
for torch type	Torch geometry	Part-No.
ABIROB® 350GC	35°	837.0551.1
Standard		

# “ABIROB® 350GC” air cooled Holder & TCP Geometries

## Torch holder for ABIROB® 350GC

in connection with CAT3 cpl.

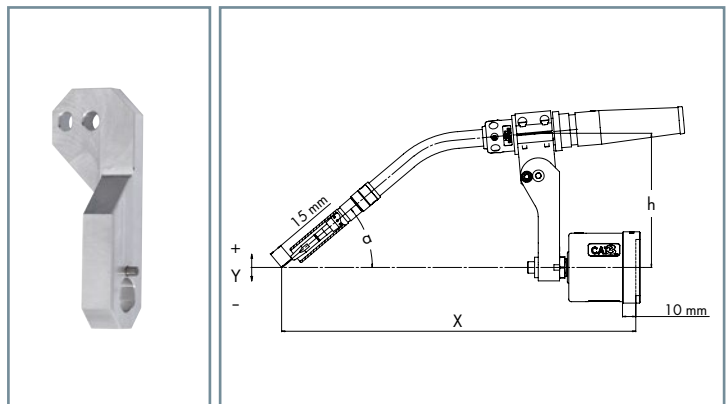
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ABIROB®	30°	453	86	86	0°	780.0145
350GC	35°	415	-39	86	35°	780.0145



## CAT3 holder for ABIROB® 350GC

in connection with CAT3 and holder 780.0145

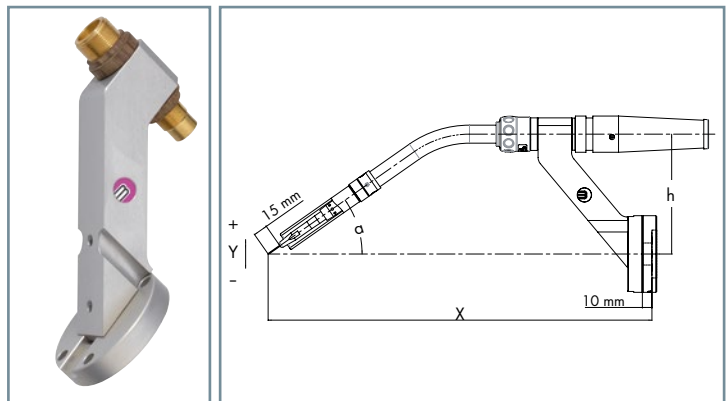
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ABIROB®	30°	437	151	151	30°	780.0872.1
350GC	35°	400	26	151	35°	780.0872.1



## I-bracket for ABIROB® 350GC

for robots with collision software

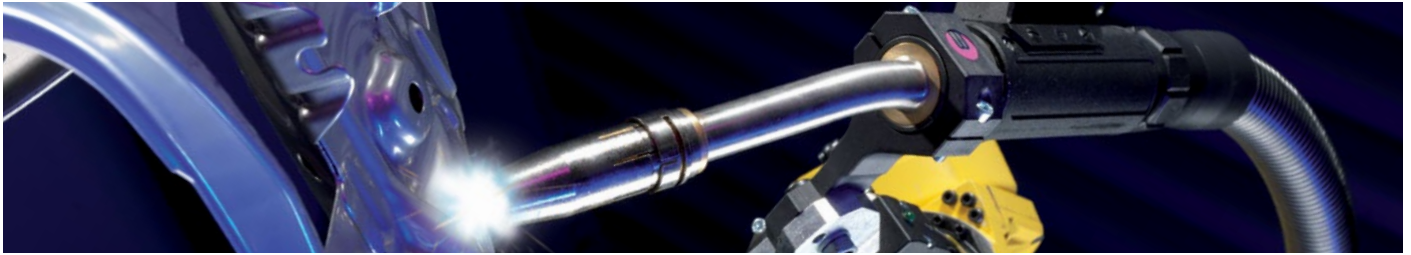
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ABIROB®	35°	400	0	125	35°	780.0183
350GC						



Further holders are available on request.

# MIG/MAG Welding Torch System

## “ROBO Standard” liquid cooled



### Powerful, reliable & economical ...

The “ROBO Standard” torch series provides maximum reliability and is the optimum choice for robot welding cells with a low degree of automation. Their mechanical design makes these sturdy torches particularly crash-resilient, thus reducing downtime and maintenance costs to a minimum.

In addition, the excellent cooling performance of the torches guarantees high service lives for the wear parts with reduced spatter adhesion.

As standard, the welding torch system has an integrated airblast function, trigger for automatic wire feed and connection modules for the robot mount CAT3.

“ROBO Standard” torches have been in permanent use in tough industrial applications for many years – proving their worth thousands of times over.

### Advantages that speak for themselves:

- Technically mature and 100% reliable
- Water-cooled up to 450 A (CO<sub>2</sub>)
- Integrated airblast function
- Simple installation and handling

### Degree of automation:

Low	Medium	High
-----	--------	------

### Application areas:



- Commercial vehicle construction
- Earth-moving equipment
- Rail vehicle construction
- Shipbuilding
- Container construction
- Machine and steel construction

### Material:

- Construction steels (coated / non-coated)
- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Copper materials
- Special materials

### Robot interface:

- Conventional robot  
(External cable assembly):
  - Robot mount CAT3
  - Fixed bracket RTM

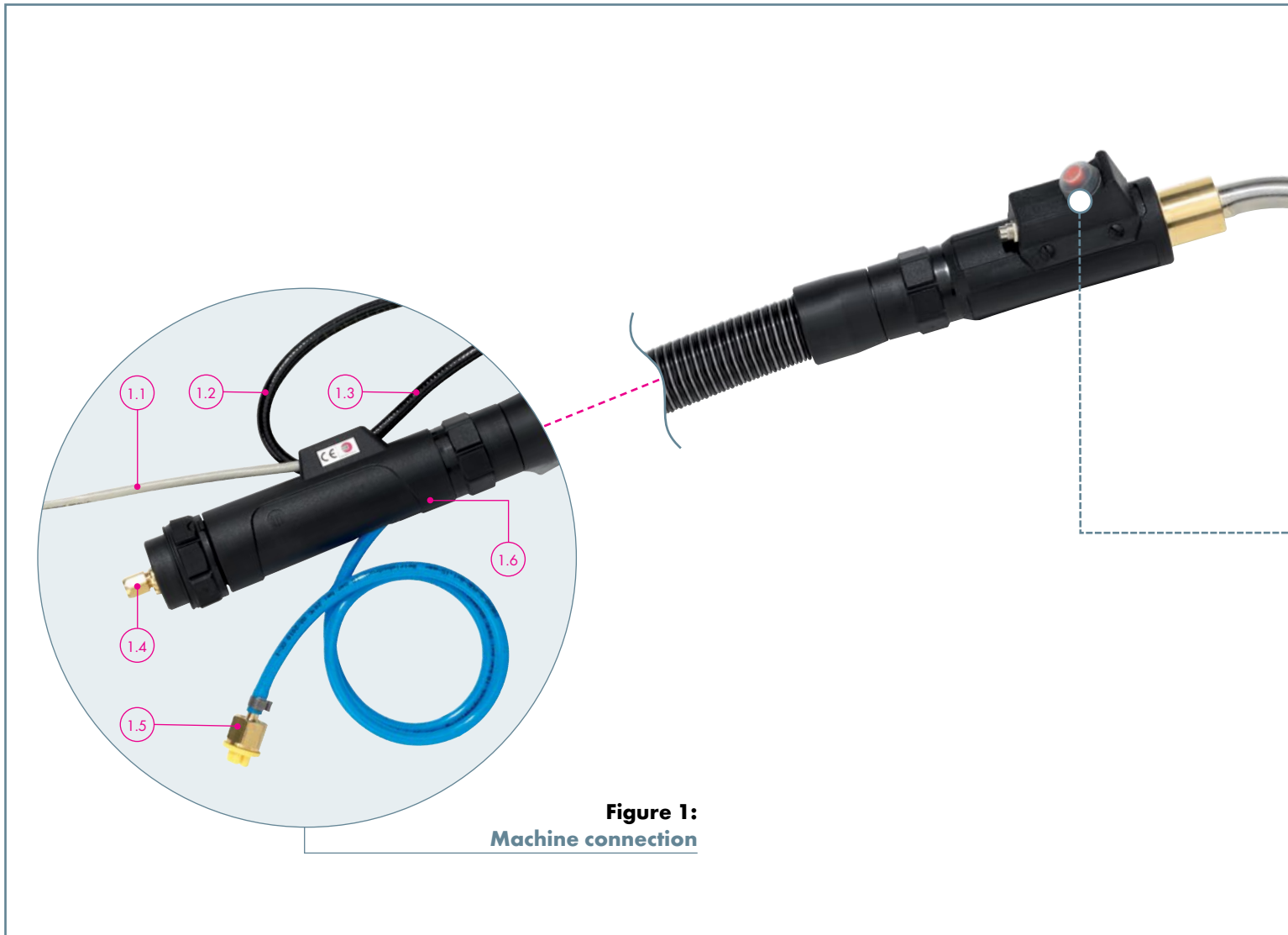
up to  
450 A



### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

# “ROBO Standard” liquid cooled System Overview & Technical Data



**Figure 1:**  
**Machine connection**

**Figure 1:**  
**Machine connection**

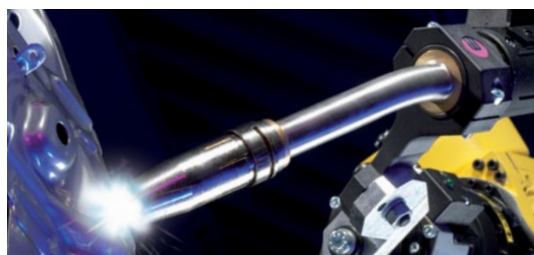
- 1.1 High-quality control cable with strain relief (control cable connector on request)
- 1.2 Coolant feed hose with closure
- 1.3 Coolant return hose with closure
- 1.4 Machine connection available for all standard wire feeds
- 1.5 Airblast hose with blanking plug
- 1.6 Sturdy bend-protection casing with strain relief spring



**Figure 2:**  
Handle tube with  
switch housing

**Figure 2:**  
Handle tube with switch housing

- 2.1 CAT3 connection
- 2.2 Wire feed button
- 2.3 Sturdy housing for optimum torch protection



**Technical data (EN 60 974-7):**

**ROBO 455 D**

Type of cooling:	liquid cooled
Rating:	450 A CO <sub>2</sub> 400 A Mixed gases M21 (EN ISO 14175)
Duty cycle:	100 %
Wire-Ø:	0.8 - 1.6 mm
Torch geometries:	0°/22°/45°

**Note on the technical data:**

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28 °C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 - 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ROBO Standard" liquid cooled Torch Necks & Wear Parts

## ROBO 455 D

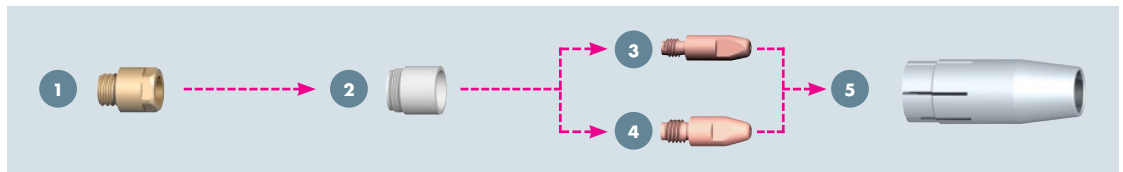


### Torch neck

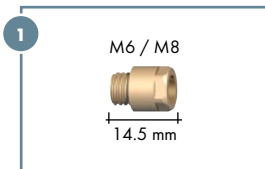
Features	Part-No.		
	0°	22°	45°
Torch complete with cable assembly (L=3.00 m)	943.0247	943.0248	943.0249
Individual torch neck (spare torch)	943.0161.1	943.0162.1	943.0163.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

## Wear parts for ROBO 455 D

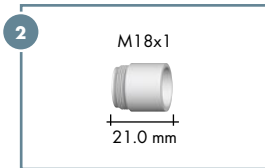


### 1 Contact tip holder (10 pcs.)



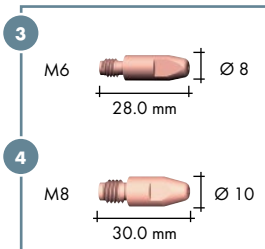
Type	Part-No.
M6 Brass	142.0123
M8 Brass	142.0122

### 2 Nozzle insulator (10 pcs.)



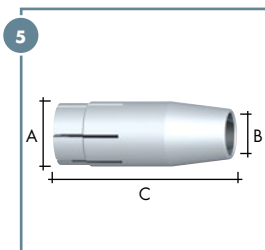
Type	Part-No.
Standard	146.0054.10
High temperature resistant	146.0059.10

### 3 Contact tip M6 4 Contact tip M8 (10 pcs.)



Type	Wire-Ø	Part-No.	
		M6	M8
CuCrZr	Ø 0.8	140.0054	140.0117
	Ø 0.9	140.0172	140.0217
	Ø 1.0	140.0245	140.0316
	Ø 1.2	140.0382	140.0445
	Ø 1.4	-	140.0536
	Ø 1.6	-	140.0590

### 5 Gas nozzle (10 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Recess (-1.5 mm) <sup>1</sup>	Ø 25.0	Ø 15.5	67.5 mm	145.0164

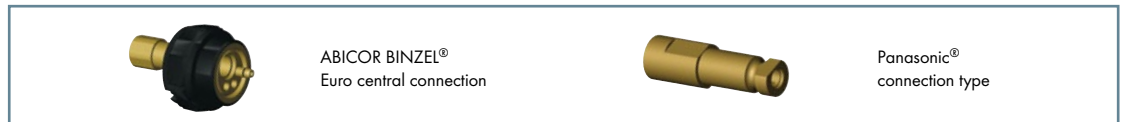
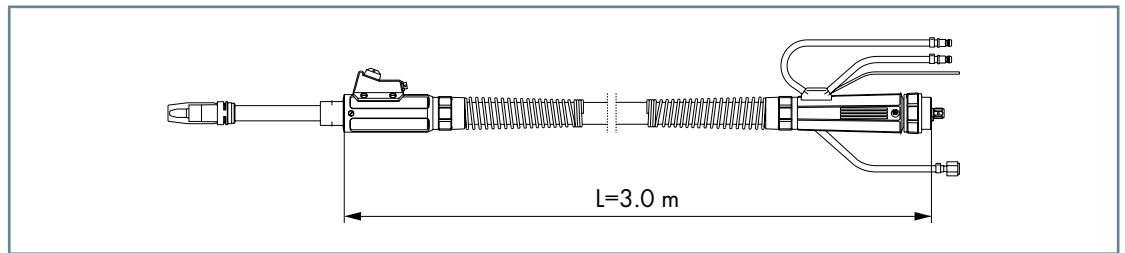
Type conical	Ø A	Ø B	Length C	Part-No.
Recess (-1.5 mm) <sup>1</sup>	Ø 25.0	Ø 13.0	67.5 mm	145.0134
Recess (-1.5 mm) <sup>1</sup>	Ø 25.0	Ø 15.5	67.5 mm	145.0089.10
Stick-out (+1.5 mm) <sup>2</sup>	Ø 25.0	Ø 15.5	64.5 mm	145.0106

<sup>1</sup> Recess: Contact tip recessed

<sup>2</sup> Stick-out: Contact tip protruding

# “ROBO Standard” liquid cooled Cable Assemblies

## Cable assemblies and connection types



**Note:** The cable assemblies for the ROBO Standard series are only available as complete packages including the torch neck. The part numbers can be found in the “torch neck” category on pages 52 and 53.

The standard length of the cable assemblies is 3.00 m. Other cable assembly lengths are available on request.  
The control cable is not pre-wired at the machine end. Power source specific types on request.  
The red steel liner 0.8 - 1.2 mm is included in the scope of delivery. Please order other versions separately.

## Liners for Euro central connection<sup>1</sup>

Type	for torch type	Wire-Ø	up to L=3.40 m
Liner steel <sup>1</sup>	ROBO 455 D	Ø 0.8 - 1.2	122.0031
Liner steel <sup>1</sup>	ROBO 455 D	Ø 1.4 - 1.6	122.0056

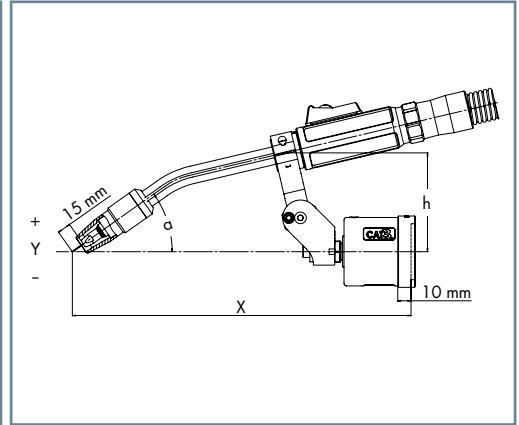
<sup>1</sup> Steel liner (insulated) for the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by “micro-arcing” on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors. Liners for aluminium and special wires on request.

# “ROBO Standard” liquid cooled Holder & TCP Geometries

## Torch holder for ROBO Standard

in connection with CAT3 cpl.

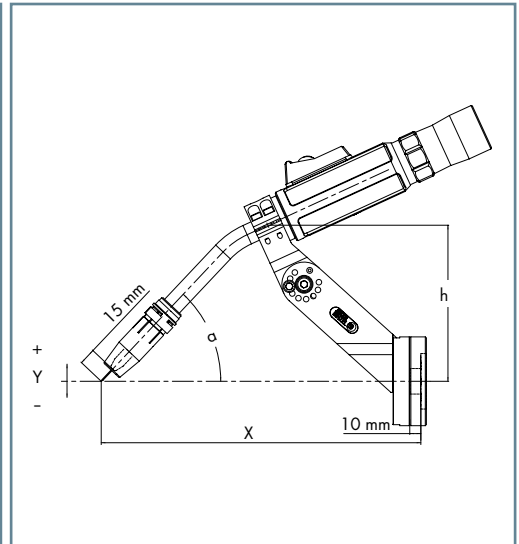
Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO	0°	337	0	103	30°	780.0203
455 D <sup>1</sup>	22°	312	0	111	36°	780.0203
	45°	366	0	113	46°	780.0203



## RTM holder for ROBO Standard<sup>2</sup>

for robots with collision software

Torch type	Torch geometry	X	Y	h	$\alpha$	Part-No.
ROBO	0°	327	54	141	25°	780.0326
455 D <sup>1</sup>	22°	288	0	141	47°	780.0326
	45°	242	-29	141	70°	780.0326



Further holders are available on request.

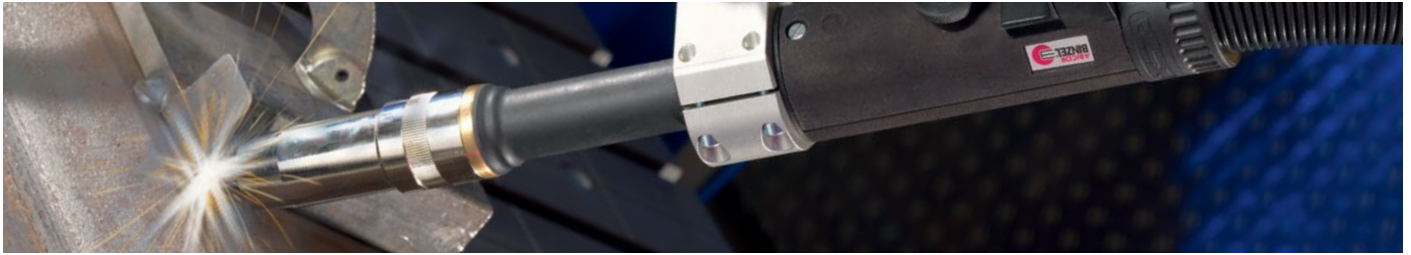
<sup>1</sup> Please order torch holder for ROBO 455D always in combination with insulation bush 835.0013.

<sup>2</sup> Holder adjustable in 7.5° steps.



# MIG/MAG Welding Torch System

## “ROBO Compact W600” liquid cooled



### Tough, reliable & economical ...

ABICOR BINZEL ROBOTIC SYSTEMS are extending the product range for liquid cooled high performance welding torches for low levels of automation\*. The innovative ROBO Compact W600 welding torch complements our W600 series of liquid cooled torches as an “entry-level torch” for the high-performance sector of robot welding.

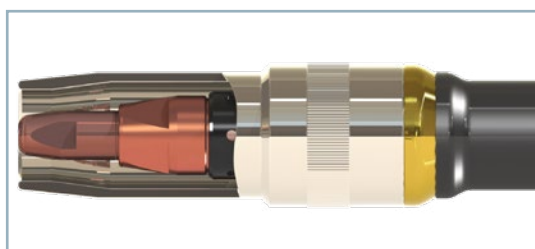
For welding applications that require welding tools of fantastic value and performance, a powerful, robust and highly reliable welding torch is needed. The ROBO Compact W600 torch system shows outstanding technical strengths in industries like heavy machinery, container and shipbuilding as well as for deposition welding. W600 is ideally suited for applications requiring high welding performance and a long duty-cycle.

The ROBO Compact W600 borrows from the proven design and performance of the WH W600 and ABIROB® W600 torch series. Specifically developed for applications with a low degree of automation\*, the W600 is distinguished by the simple and robust design of the wearing parts and the direct connection of the cable assembly to the welding torch. Maintenance of the welding torch or replacement of the complete torch system is very easy and quick. Simply put, W600 is the perfect tool for welding applications with low degrees of automation!

### Arguments that speak for themselves:

- Strong price-performance ratio
- Compact construction – high performance – highest crash stability
- Sophisticated cooling technology and optimum gas coverage through a separate gas channel
- Robust, long-life wearing parts
- Reproducible complete torch change – simple and fast
- Tremendous value with low operating costs

up to  
600 A



### Degree of automation\*:

Low	Medium	High
-----	--------	------

### Application areas:



- Commercial vehicle construction
- Earth-moving equipment
- Rail vehicle construction
- Shipbuilding
- Container construction
- Machine and steel construction

### Material:

- Construction steels (coated / non-coated)
- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Special materials

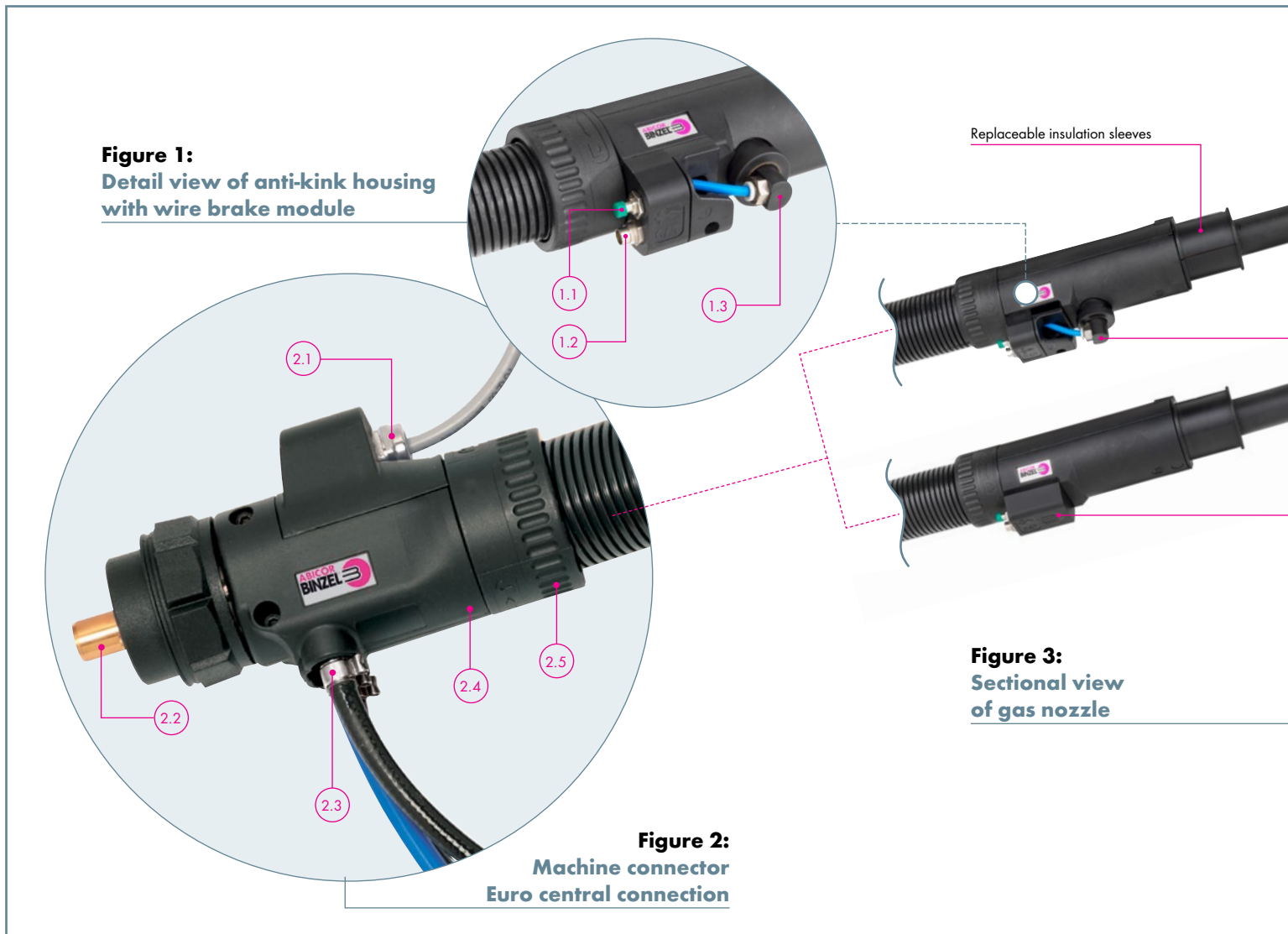
### Robot interface:

- Conventional robot  
(Cable assembly external):
  - Robot mount CAT3
  - RTM (rigid holder, without crash protection)

### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

# "ROBO Compact W600" liquid cooled System Overview & Technical Data

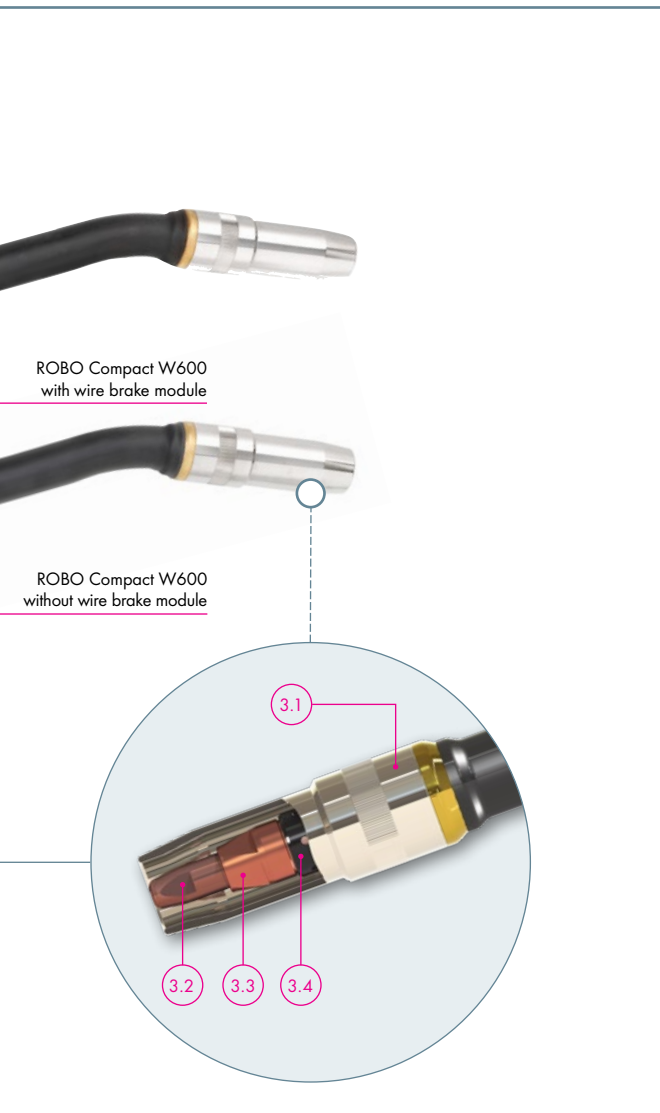


**Figure 1:**  
Detail view of anti-kink housing with  
wire brake module

- 1.1 Wire feed button
- 1.2 CAT3 connection
- 1.3 Wire brake module (optional)

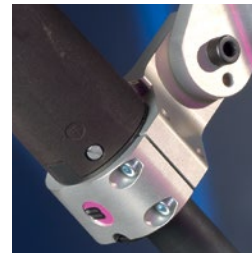
**Figure 2:**  
Machine connector  
Euro central connection

- 2.1 High-quality control cable with strain relief (control cable connector on request)
- 2.2 Machine connection available as RPC (robot power connector) and Euro central connection (other connections on request)
- 2.3 Straight outputs for coolant and discharge hose – no kinking and twisting of hoses
- 2.4 Short connection housing – high flexibility of the hose pack
- 2.5 Rotatable hose connection – minimized torsional



**Figure 3:**  
Sectional view of gas nozzle

- 3.1 Gas nozzle
- 3.2 Contact tip
- 3.3 Contact tip holder
- 3.4 Gas distributor



**Technical data (EN 60 974-7):**

**ROBO Compact W600**

Type of cooling:	liquid cooled
Rating:	600 A CO <sub>2</sub> 550 A Mixed gases M21 (EN ISO 14175)
Duty cycle:	100%
Wire-Ø:	0.8- 1.6 mm (2.0 mm)*
Torch geometries:	0°/22°/35°/45°

**Note on the technical data:**

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28 °C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10-20%. The rating data are reduced by up to 35% for pulse arc welding.

\* Recommended max. case assembly length 1.2 m when using wire diameter 2.0 mm.

# "ROBO Compact W600" liquid cooled Torch Necks & Cable Assemblies

## ROBO Compact W600

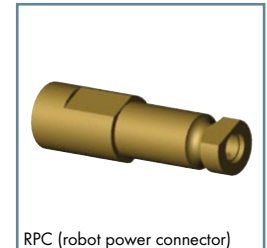
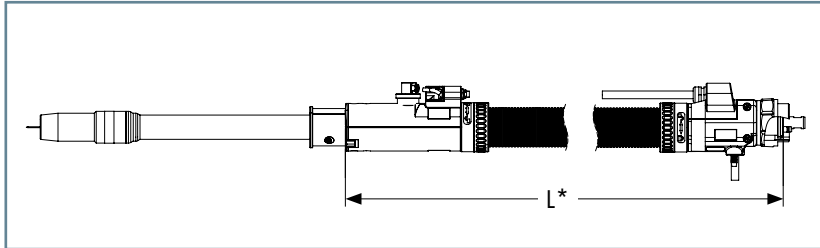


### Torch neck

	Part-No.			
Features	0°	22°	35°	45°
Torch neck individually (Spare torch neck)	944.0324.1	944.0325.1	944.0326.1	944.0327.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application.

## Cable assemblies and connection types



## Torch complete with Euro central connection

Length L [m]	Part-No. without wire brake				Part-No. with wire brake <sup>1</sup>			
	0°	22°	35°	45°	0°	22°	35°	45°
1.00	944.0195.1	944.0204.1	944.0212.1	944.0220.1	944.0228.1	944.0236.1	944.0244.1	944.0252.1
1.20	944.0196.1	944.0205.1	944.0213.1	944.0221.1	944.0229.1	944.0237.1	944.0245.1	944.0253.1
1.40	944.0197.1	944.0206.1	944.0214.1	944.0222.1	944.0230.1	944.0238.1	944.0246.1	944.0254.1
1.60	944.0198.1	944.0207.1	944.0215.1	944.0223.1	944.0231.1	944.0239.1	944.0247.1	944.0255.1
1.80	944.0199.1	944.0208.1	944.0216.1	944.0224.1	944.0232.1	944.0240.1	944.0248.1	944.0256.1
2.00	944.0201.1	944.0209.1	944.0217.1	944.0225.1	944.0233.1	944.0241.1	944.0249.1	944.0257.1
2.50	944.0202.1	944.0210.1	944.0218.1	944.0226.1	944.0234.1	944.0242.1	944.0250.1	944.0258.1
3.00	944.0203.1	944.0211.1	944.0219.1	944.0227.1	944.0235.1	944.0243.1	944.0251.1	944.0259.1

## Torch complete with RPC (robot power connector)

Length L [m]	Part-No. without wire brake				Part-No. with wire brake <sup>1</sup>			
	0°	22°	35°	45°	0°	22°	35°	45°
1.00	944.0260.1	944.0268.1	944.0276.1	944.0284.1	944.0292.1	944.0300.1	944.0308.1	944.0316.1
1.20	944.0261.1	944.0269.1	944.0277.1	944.0285.1	944.0293.1	944.0301.1	944.0309.1	944.0317.1
1.40	944.0262.1	944.0270.1	944.0278.1	944.0286.1	944.0294.1	944.0302.1	944.0310.1	944.0318.1
1.60	944.0263.1	944.0271.1	944.0279.1	944.0287.1	944.0295.1	944.0303.1	944.0311.1	944.0319.1
1.80	944.0264.1	944.0272.1	944.0280.1	944.0288.1	944.0296.1	944.0304.1	944.0312.1	944.0320.1
2.00	944.0265.1	944.0273.1	944.0281.1	944.0289.1	944.0297.1	944.0305.1	944.0313.1	944.0321.1
2.50	944.0266.1	944.0274.1	944.0282.1	944.0290.1	944.0298.1	944.0306.1	944.0314.1	944.0322.1
3.00	944.0267.1	944.0275.1	944.0283.1	944.0291.1	944.0299.1	944.0307.1	944.0315.1	944.0323.1



### Insulating sleeve

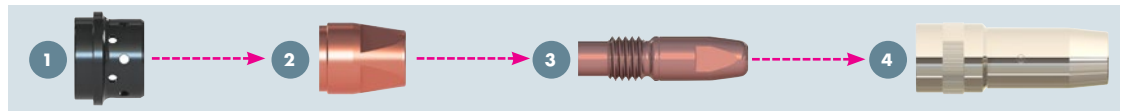
Type	Part-No.
Insulating sleeve D40	944.0175.1

\*Recommended maximum length: 3.00 m. Other cable assembly lengths and/or designs for specific power sources are available on request. The control cable is not configured on the machine side. The torch is supplied ready for welding with a fitting for 1.6 mm steel. Please order other versions separately.

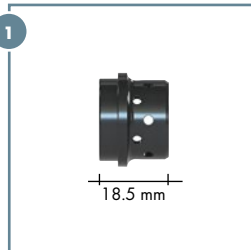
<sup>1</sup> **Note:** With wire brake: Neck-Liner required! See page 7.

# "ROBO Compact W600" liquid cooled Wear Parts & Liners

## Wear parts for ROBO Compact W600

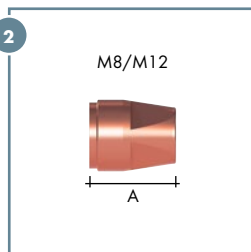


### 1 Gas diffuser (10 pcs.)



Type	Part-No.
Standard	146.0079.10

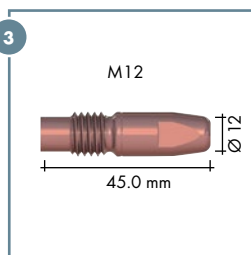
### 2 Contact tip holder (10 pcs.)



Type	Length A [mm]	Part-No.
M8 <sup>1</sup>	27.0	142.0232.10
M12	23.0	142.0214.10

<sup>1</sup> Using M8 contact tips reduces the performance data by approx. 20%.

### 3 Contact tip (10 pcs.)

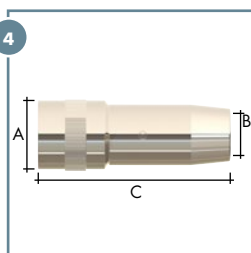


Type	Material	Wire-Ø [mm]	Part-No.
M12	CuCrZr	Ø 1.2	140.1563.10
	CuCrZr	Ø 1.4	140.1564.10
	CuCrZr	Ø 1.6	140.1565.10
	CuCrZr	Ø 2.0	140.1627.10
	HDS silver plated <sup>2</sup>	Ø 1.2	147.6563.10
	HDS silver plated <sup>2</sup>	Ø 1.4	147.6564.10
	HDS silver plated <sup>2</sup>	Ø 1.6	147.6565.10
	HDS silver plated <sup>2</sup>	Ø 2.0	147.6627.10

M8 contact tips – see the ROBO catalogue.

<sup>2</sup> HDS = High performance dispersion strengthened copper material, silver-plated – recommended for long welds and with high contact tip temperatures.

### 4 Gas nozzle (5 pcs.)



Type conical	Ø A [mm]	Ø B [mm]	Length C [mm]	Part-No.
Flush <sup>3</sup>	34.0	21.5	92.0	145.0686.5
Stick-Out (+6.0 mm) <sup>4</sup>	34.0	21.5	86.0	145.0687.5
Recess (-3.0 mm) <sup>5</sup>	34.0	21.5	95.0	145.0688.5
Flush <sup>3</sup>	34.0	18.0	92.0	145.0689.5

<sup>2</sup> Flush: Contact tip flush

<sup>4</sup> Stick-Out: Contact tip protruding

<sup>3</sup> Recess: Contact tip recessed

## Liners

Type	Wire-Ø [mm]	RPC	Euro central connection
		up to L = 3,00 m	up to L = 3,00 m
Liner Steel <sup>6</sup>	Ø 0.8-1.2	124.0197.1	124.0181
	Ø 1.4-1.6	124.0191.1	124.0210.1
	Ø 1.8-2.0	124.0252.1	124.0253.1
Combined wire guide <sup>7</sup>	Ø 0.8-1.2	128.M007	128.M009
	Ø 1.4-1.6	128.M011	128.M013.1

<sup>6</sup> Spiral steel (insulated) for application with nonalloyed and low-alloy steels. The fully insulated wire guide prevents damage caused by "micro-arcing" on the wire. Current transfer in the contact tip is thus optimal and improves the welding process. The insulated steel liner is must be used with power sources with optional welding wire sensors.

<sup>7</sup> Combi-liner for aluminium or bronze wires – a combination of PA liner and a brass liner pressed on in the front end to avoid thermal overload of the PA liner.

## Neck-Liners for wire brake (5 pcs.)

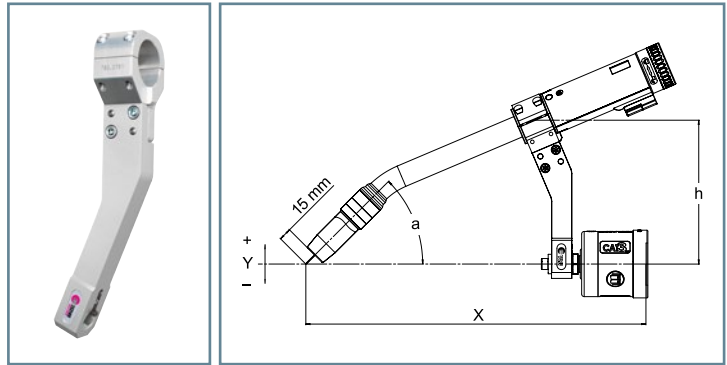
for Torch neck	for	Wire-Ø [mm]	Length [mm]	Part-No.
ROBO Compact W600	Steel	0.8-1.2	348.0	149.0451.5
	Steel	1.4-1.6	348.0	149.0452.5
	Steel	1.8-2.0	348.0	149.0471.5

# "ROBO Compact W600" liquid cooled Holder & TCP-Geometries

## Holder, rigid

In combination with CAT3

Torch type	Torch geometry	X [mm]	Y [mm]	h [mm]	a	Part-No.
ROBO	22°	400	0	170	45°	780.0781.1
Compact	35°	400	0	136	45°	780.0782.1
W600	45°	400	0	135	50°	780.0784.1

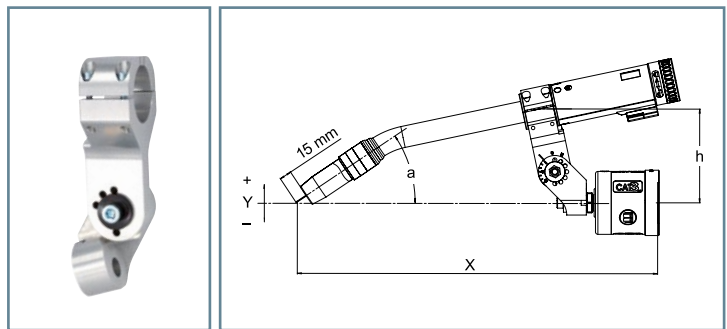


## Segment holder

In combination with CAT3

Torch type	Torch geometry	X [mm]	Y [mm]	h [mm]	a	Part-No.
ROBO	22°	439	-11	115	36°	780.0433.1
Compact	35°	416	-40	115	49°	780.0433.1
W600	45°	393	-61	115	59°	780.0433.1

The holder can be adjusted in 15° steps

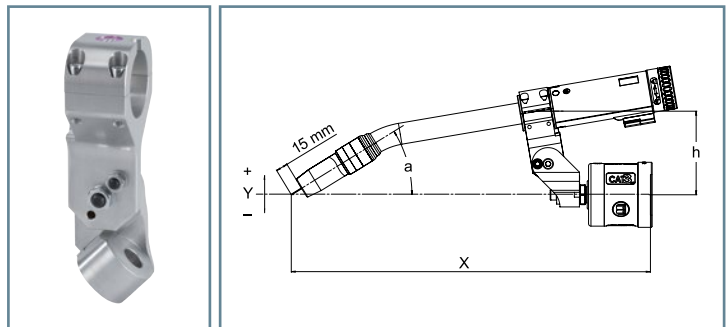


## Holder, adjustable

In combination with CAT3

Torch type	Torch geometry	X [mm]	Y [mm]	h [mm]	a	Part-No.
ROBO	22°	440	0	104	32°	780.0430.1
Compact	35°	424	0	105	39°	780.0430.1
W600	45°	410	0	105	44°	780.0430.1

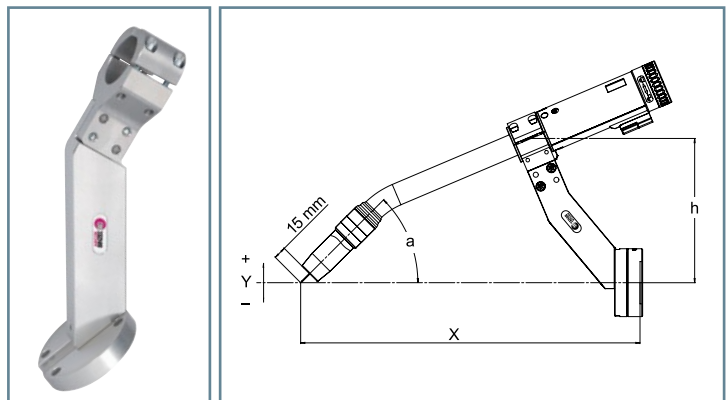
Holder must be fastened with screws and pins.



## RTM holder

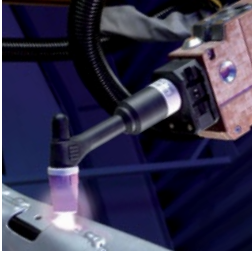
For robots with collision software

Torch type	Torch geometry	X [mm]	Y [mm]	h [mm]	a	Part-No.
ROBO	22°	400	0	170	45°	780.0789.1
Compact	35°	400	0	136	45°	780.0790.1
W600	45°	400	0	135	50°	780.0792.1



# TIG Welding Torch Systems

## Liquid cooled



### ABITIG® WH liquid cooled

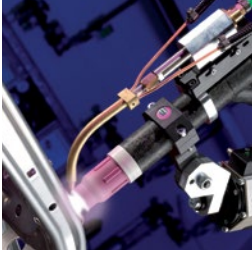
Fast, safe and reliable ...

**Capacity:** up to 400 A

**Application areas:** Automotive construction, bicycle industry, container and pipe construction, machine and steel construction, aviation and aerospace industry

**Degree of automation:**  Low  Medium  High

Seite 61



### ABITIG® MT liquid cooled

Efficient allrounder ...

**Capacity:** up to 500 A

**Application areas:** Automotive construction, bicycle industry, container and pipe construction, machine and steel construction, aviation and aerospace industry

**Degree of automation:**  Low  Medium  High

Seite 69





# TIG Welding Torch System

## "ABITIG® WH" liquid cooled



### Fast, safe & reliable ...

The ABITIG® WH welding torch system from ABICOR BINZEL for TIG brazing and TIG welding offers a high degree of process reliability for the joining of a wide range of different materials.

Pre-set tungsten electrodes, reproducible torch replacement and servicing work done outside the robot cell guarantee consistently high quality and system availability.

With only two design sizes in different geometries, even for the most complex of components, the TIG welding torch system ABITIG® WH covers almost all automatic TIG applications. Also available with cold wire feeding according to the push or push-pull principle.

### Advantages that speak for themselves:

- Flexible and fast adaptation to changing welding tasks
- Pre-set tungsten electrode
- Reproducible torch position
- With cold wire feeding and push-pull function
- Liquid cooled up to 400 A
- Technically matured and 100% reliable
- Automatic neck change available for maximum system up-time

### Degree of automation:

Low	Medium	High
-----	--------	------

### Typical areas of application:



- Automotive construction
- Bicycle industry
- Container and pipe construction
- Machine and steel construction
- Aviation and aerospace industry

### Material:

- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Copper materials
- Special materials

### Robot interface:

- Conventional robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM

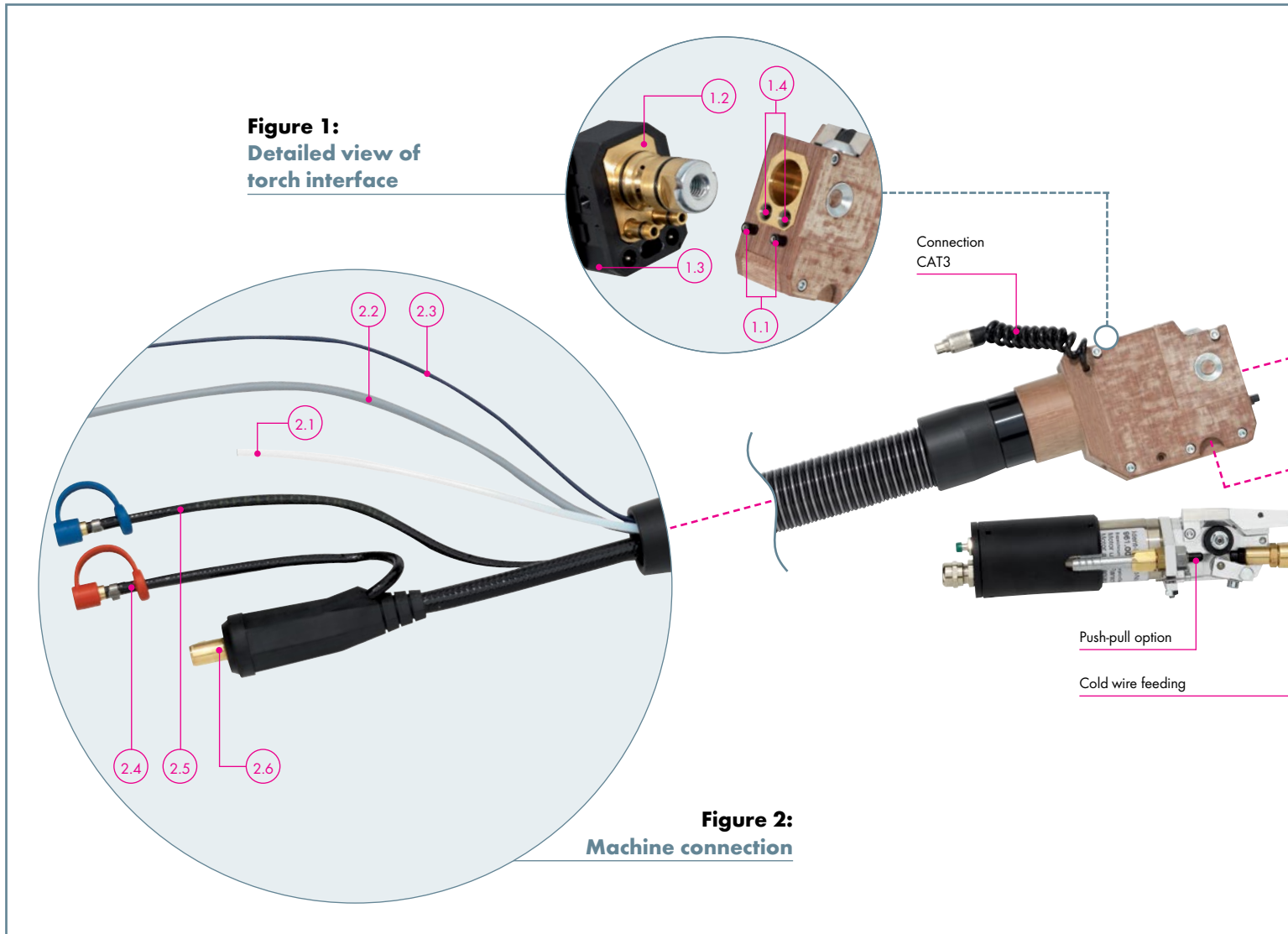
up to  
400 A



### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

# “ABITIG® WH” liquid cooled System Overview & Technical Data

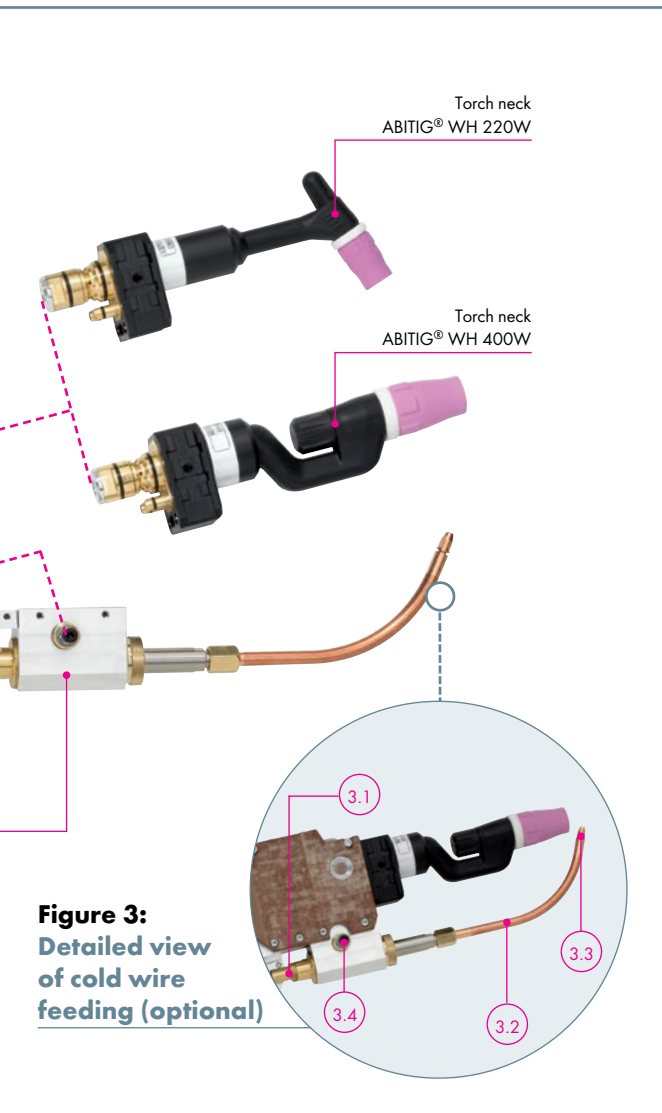


**Figure 1:**  
Detailed view of cable assembly

- 1.1 Contacts for help with ignition
- 1.2 O-rings ensure a gas-tight connection
- 1.3 Compact and space-saving interface
- 1.4 Non-return valves for leak-free torch neck replacement

**Figure 2:**  
Machine connection

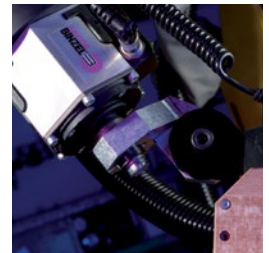
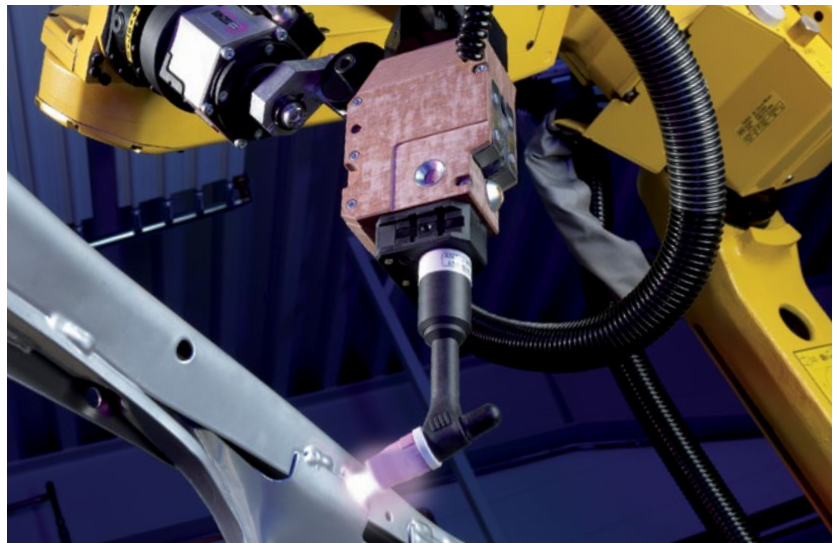
- 2.1 Hose for inert gas feed
- 2.2 High-quality control cable
- 2.3 Flexible control cable for ignition aid (optional) or sensor
- 2.4 Coolant return hose with closure
- 2.5 Coolant feed hose with closure
- 2.6 Sturdy brass connector with high-grip rubber bend protection (machine connection available for all standard power sources)



**Figure 3:**  
Detailed view  
of cold wire  
feeding (optional)

**Figure 3:**  
Detailed view of cold wire feeding

- 3.1 Cold wire feeding with and without push-pull option
- 3.2 Feeding tube
- 3.3 Feeding tip
- 3.4 Swivel function for fully automatic torch neck replacement in connection with ATS rotor



**Technical data (EN 60 974-7):**

**ABITIG® WH 220W**

Type of cooling:	liquid cooled
Rating:	220 A DC 160 A AC
Duty cycle:	100 %
Electrode-Ø:	1.0-3.2 mm
Torch geometries:	70°

**ABITIG® WH 400W**

Type of cooling:	liquid cooled
Rating:	400 A DC 280 A AC
Duty cycle:	100 %
Electrode-Ø:	1.6-4.8 mm
Torch geometries:	0°/45°/70°/90°

**Note on the technical data:**

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28°C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 - 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ABITIG® WH" liquid cooled Torch Necks & Wear Parts

## ABITIG® WH 220W

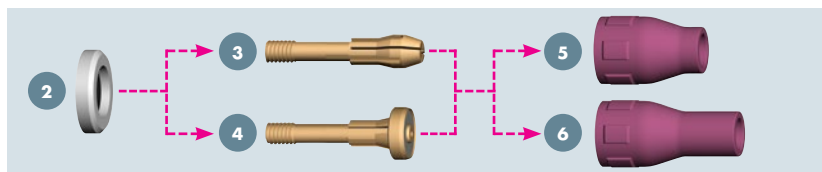


### Torch neck

Features	Part-No.
Standard	781.1001
WS version	781.2010.1

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

### Wear parts for ABITIG® WH 220 W



#### 1 Torch cap (1 pc.)



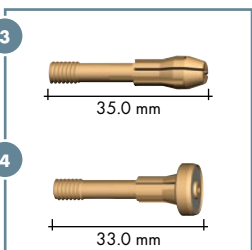
Type	Part-No.
Standard	776.0053
WS clamping element (not illustrated)	781.2012.1

#### 2 Insulator (10 pcs.)



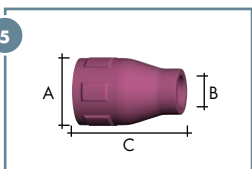
Type	Part-No.
Standard	776.1043
WS version	781.2018.1

#### 3 Electrode holder 4 Gas diffuser (5 pcs.)



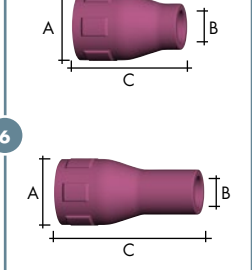
Type	Wire-Ø	Part-No.	
		Electrode holder	Gas diffuser
Standard	Ø 1.0	776.0061	776.0171
	Ø 1.6	776.0062	776.0172
	Ø 2.0	776.0067	776.0177
	Ø 2.4	776.0063	776.0173
	Ø 3.2	776.0064	776.0174

#### 5 Gas nozzle, short



Short type	Ø A	Ø B	Length C	Part-No.
Standard	Ø 16.8	Ø 6.5	26.0 mm	777.0081
	Ø 16.8	Ø 8.0	26.0 mm	777.0082
	Ø 16.8	Ø 9.5	26.0 mm	777.0083
	Ø 16.8	Ø 11.0	26.0 mm	777.0084

#### 6 Gas nozzle, long (10 pcs.)



Long type	Ø A	Ø B	Length C	Part-No.
Standard	Ø 16.8	Ø 6.5	36.0 mm	777.2171
	Ø 16.8	Ø 8.0	36.0 mm	777.2172
	Ø 16.8	Ø 9.5	36.0 mm	777.2173
	Ø 16.8	Ø 11.0	36.0 mm	777.2174

# "ABITIG® WH" liquid cooled Torch Necks & Wear Parts

## ABITIG® WH 400W



### Torch neck

Features	Part-No.			
	0°	45°	70°	90°
Standard	781.0504	781.0507	781.0501	781.0510
WS version	781.2008.1	-	-	-

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

### Wear parts for ABITIG® WH 400 W



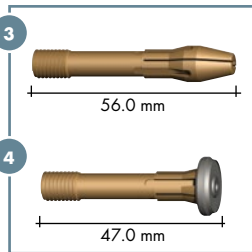
**1 Torch cap**  
(1 pc.)



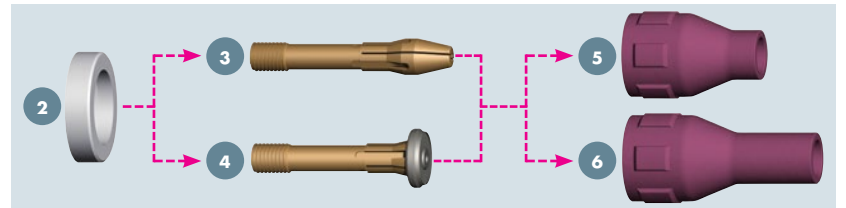
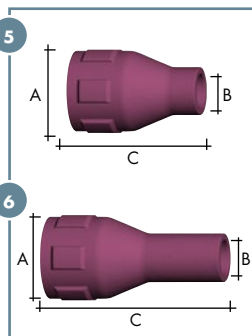
**2 Insulator**  
(1 pc.)



**3 Electrode holder**  
**4 Gas diffuser**  
(5 pcs.)



**5 Gas nozzle, short**  
**6 Gas nozzle, long**  
(10 pcs.)



Type	Part-No.
Standard	967.1351
WS clamping element (not illustrated)	781.2006.1

Type	Part-No.
Standard	775.1043
WS version	779.4043.1

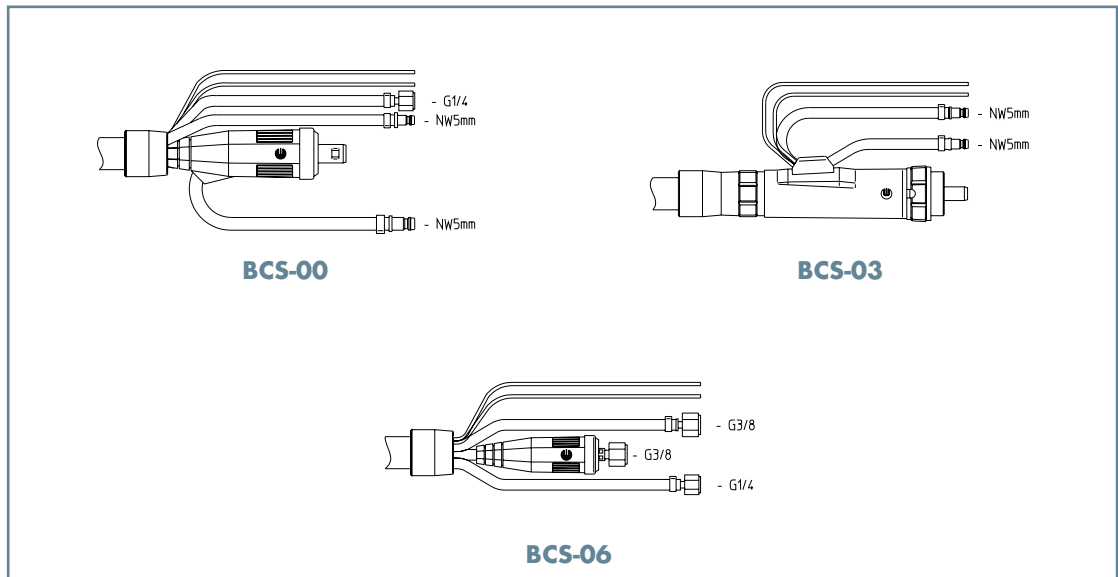
Type	Wire-Ø	Part-No.	
		Electrode holder	Gas diffuser
Standard	Ø 1.6	775.0062	773.0172
	Ø 2.0	775.0067	773.0177
	Ø 2.4	775.0063	773.0173
	Ø 3.2	775.0064	773.0174
	Ø 4.0	775.0065	773.0175
	Ø 4.8	775.0066	773.0176

Short type	Ø A	Ø B	Length C	Part-No.
				Part-No.
Standard	Ø 23.5	Ø 7.5	37.0 mm	775.0081
				775.0082
				775.0083
				775.0084

Long type	Ø A	Ø B	Length C	Part-No.
				Part-No.
Standard	Ø 23.5	Ø 7.5	52.0 mm	775.2171
				775.2172
				775.2173
				775.2174

# "ABITIG® WH" liquid cooled Cable Assemblies & Options

## Cable assemblies



## Cable assemblies cpl.

Design	Part-No.		
	L=4.00 m*	L=6.00 m*	L=8.00 m*
BCS-00 Standard	781.0526	781.0527	781.0528
BCS-03	781.0517		781.0519
BCS-06	781.0523	781.0524	781.0525

\* Further versions on request

## Options

### Cold wire feeding

Description	Version / specifications	Part-No.
Cold wire feeding cpl.	incl. feeding tube and tip	967.0320
Feeding tube	ABITIG® WH 220 W 70	967.0327
Feeding tube	ABITIG® WH 400 W 0	967.0326
Feeding tube	ABITIG® WH 400 W 45	967.0328
Feeding tube	ABITIG® WH 400 W 70	967.0325
Feeding tube	ABITIG® WH 400 W 90	967.0325
Feeding tube	ABITIG® WH 220/400 WS	967.0338.1
Feeding tip	for wire-Ø 0.8	967.0329
Feeding tip	for wire-Ø 1.0	967.0330
Feeding tip	for wire-Ø 1.2	967.0331
Feeding tip	for wire-Ø 1.6	967.0332
Wire conduit cpl.	4.00 m long	781.0514
Wire conduit cpl.	6.00 m long	781.0515
Wire conduit cpl.	8.00 m long	781.0516

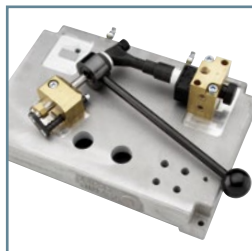
### Push-pull option

Push-pull option cpl. with tacho-motor	i=13.7:1 for $\Delta V = 1.1 - 8.0$ m / min. incl. drive rolls 1.0 mm	963.0120
Push-pull option cpl. with encoder motor	i=34.3:1 for $\Delta V = 0.2 - 5.0$ m / min. incl. drive rolls 1.0 mm	963.0253.1
Drive roll	for wire-Ø 0.6	961.0268
Drive roll	for wire-Ø 0.8	961.0269
Drive roll	for wire-Ø 1.0	961.0227
Drive roll	for wire-Ø 1.2	961.0228
Drive roll	for wire-Ø 1.6	961.0267

# "ABITIG® WH" liquid cooled

## Accessories & Holders

### Accessories



#### Alignment jig

for torch type	Torch geometry	Part-No.
ABITIG® WH 220 WS	70°	837.0440.1
ABITIG® WH 400 W	0°/45°/70°/90°	837.0440.1
ABITIG® WH 220 W	45° / 90°	837.0442.1

#### Ignition aid (not ill.)

for torch type	Part-No.
ABITIG® WH 220 W	967.0102
ABITIG® WH 400 W	967.0101

### Bracket



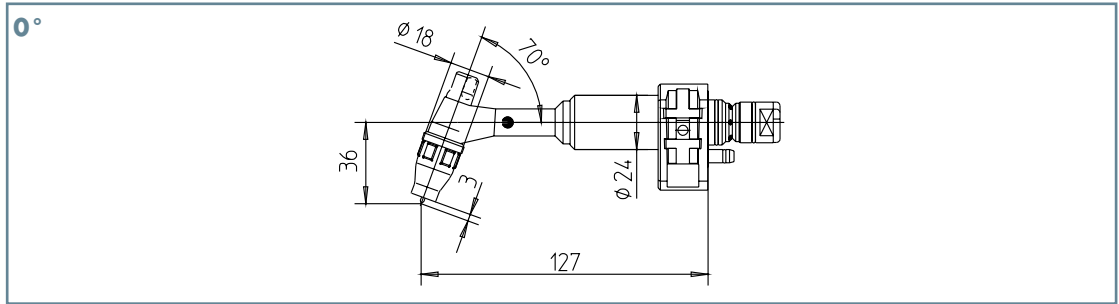
#### Clamp holder for ABITIG® WH

in connection with CAT3 cpl.

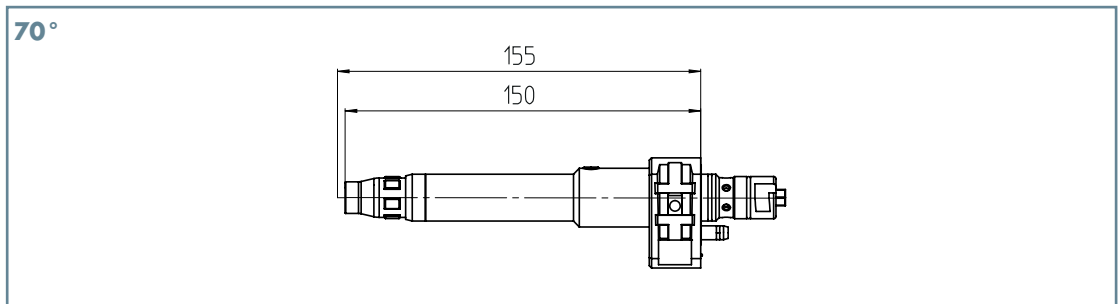
Torch type	Part-No.
ABITIG® WH	963.0007.1

# "ABITIG® WH" liquid cooled Geometries

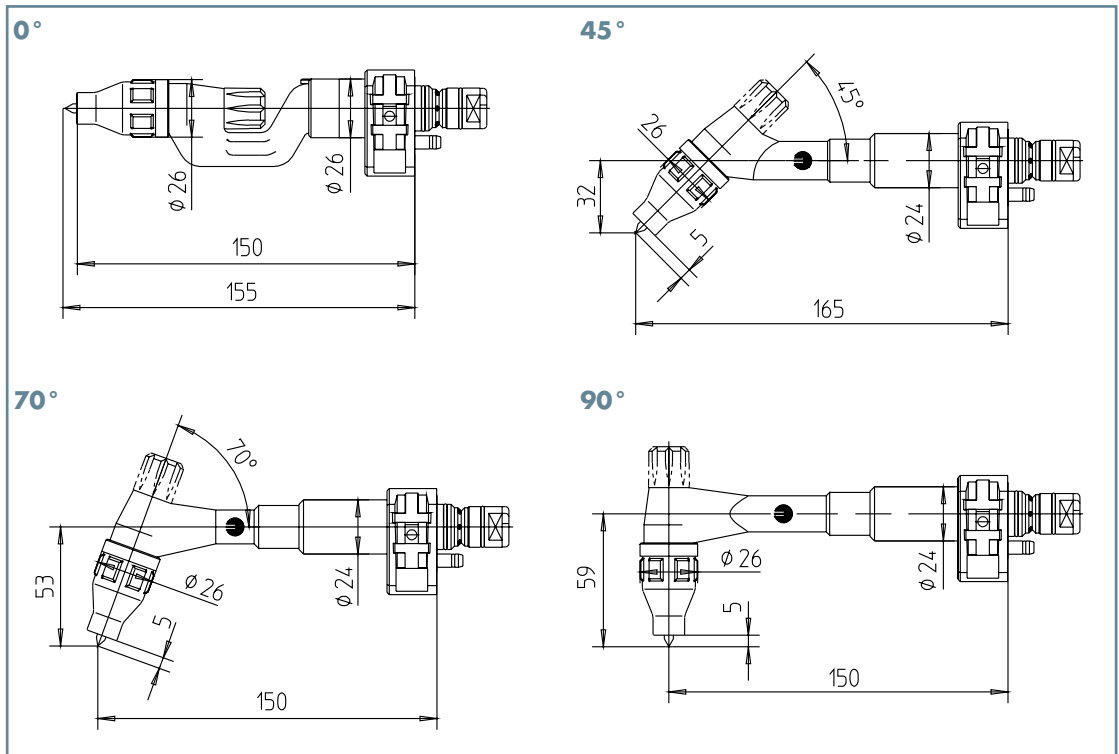
Dimensional sketch  
ABITIG® WH 220 W



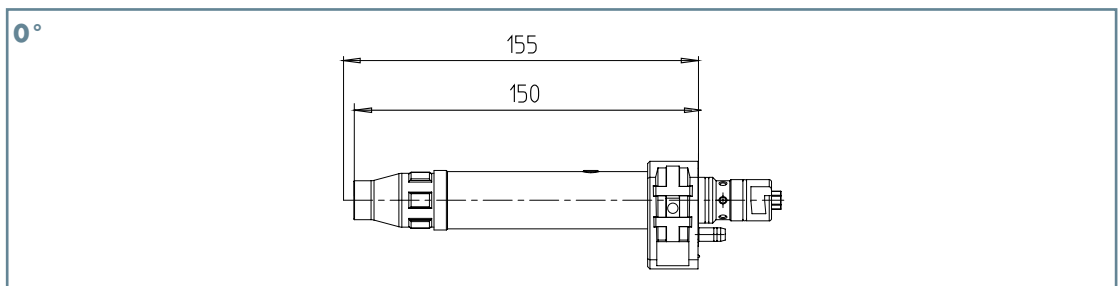
Dimensional sketch  
ABITIG® WH  
220 WS



Dimensional sketch  
ABITIG® WH 400 W



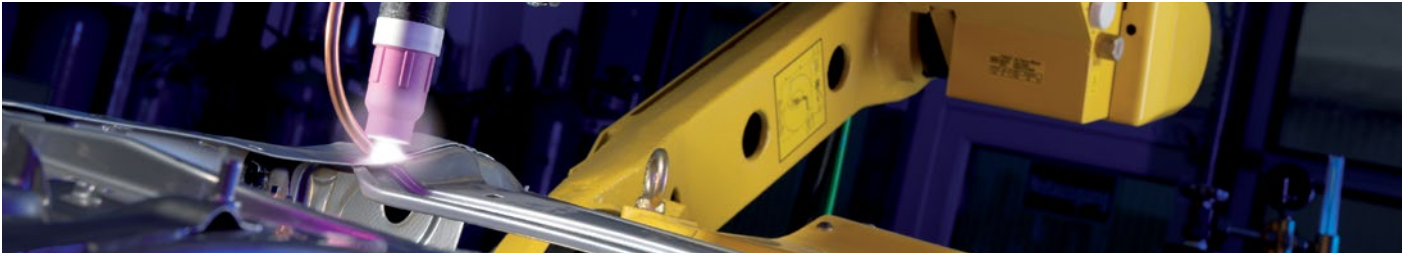
Dimensional sketch  
ABITIG® WH  
400 WS





# TIG Welding Torch System

## "ABITIG® MT" liquid cooled



### Efficient all-rounder ...

With its compact design and pre-settable electrode, the ABITIG® welding torch system is an efficient solution for welding work on components with simple geometries.

Torches of different capacities with cable assembly outlets at the side, are available for a wide range of different welding tasks.

### Advantages that speak for themselves:

- Long service life cycles thanks to excellent heat dissipation combined with the smallest of design sizes
- Cable assembly outlet at the side reducing cable wear
- Tungsten electrode can be pre-set from the rear
- Tried-and-trusted design principle in common with ABITIG® handheld torches

### Degree of automation:

Low	Medium	High
-----	--------	------

### Typical areas of application:



- Automotice construction
- Bicycle industry
- Container and pipe construction
- Machine and steel construction
- Aviation and aerospace industry

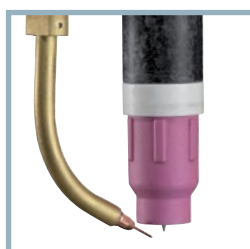
### Material:

- Chrome-nickel steels
- Duplex steels
- Nickel basic materials
- Mixed compounds
- Aluminium materials
- Magnesium materials
- Copper materials
- Special materials

### Robot interface:

- Conventional robot  
(Cable assembly external):
  - Robot mount CAT3
  - Fixed bracket RTM

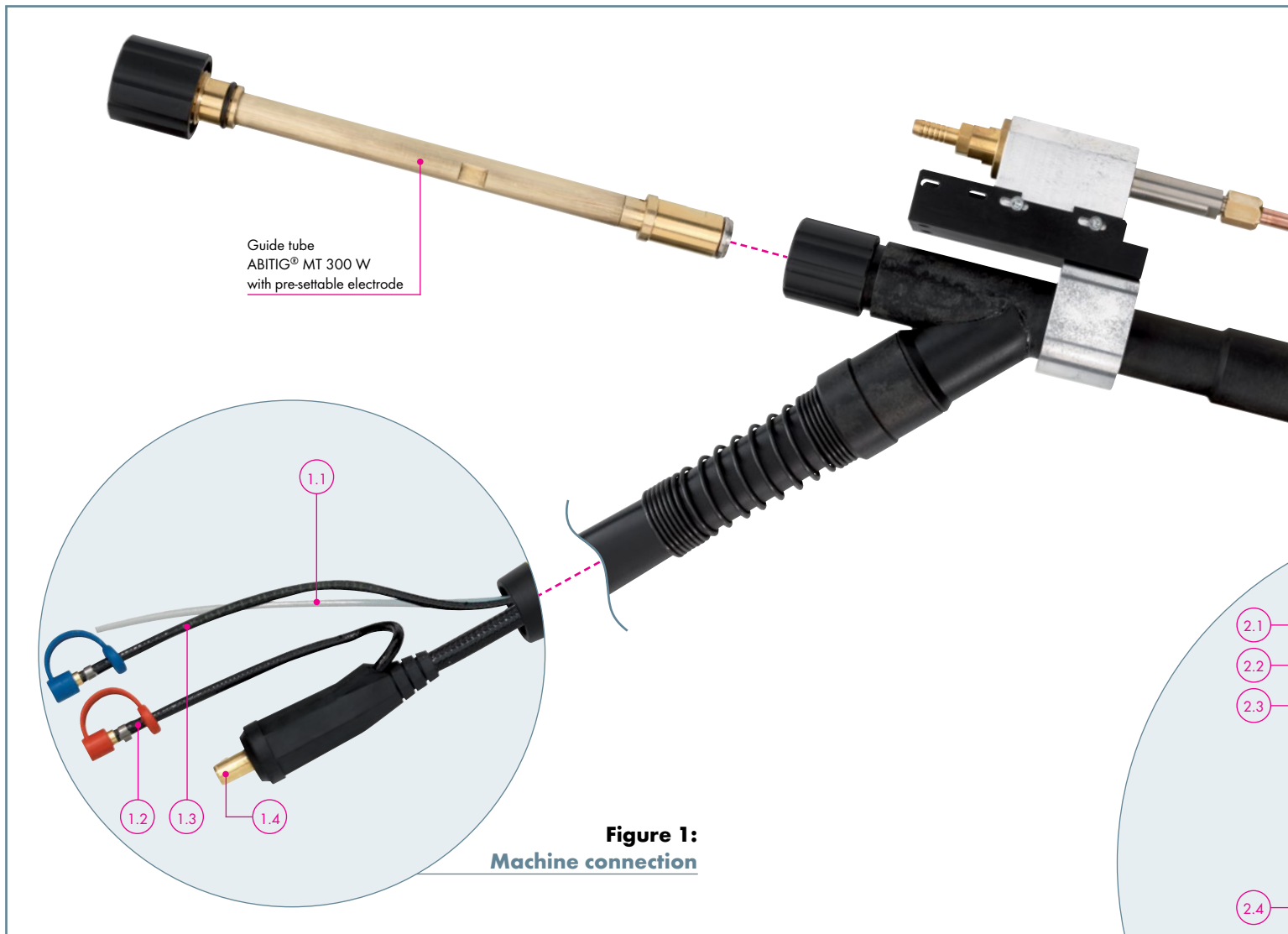
up to  
500 A



### \* Definition of the degree of automation:

- Low = Torch neck change not possible
- Medium = Torch neck change possible (manually)
- High = Torch neck change possible (manually & automatically)

# “ABITIG® MT” liquid cooled System Overview & Technical Data

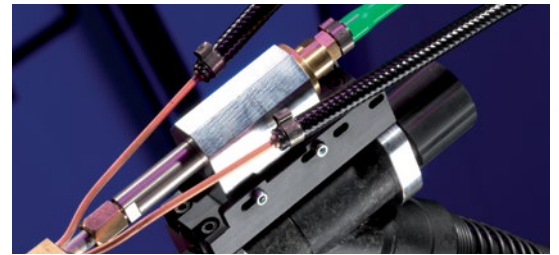
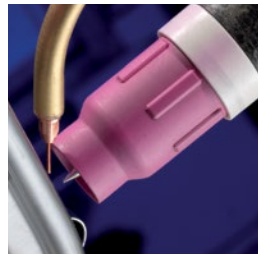
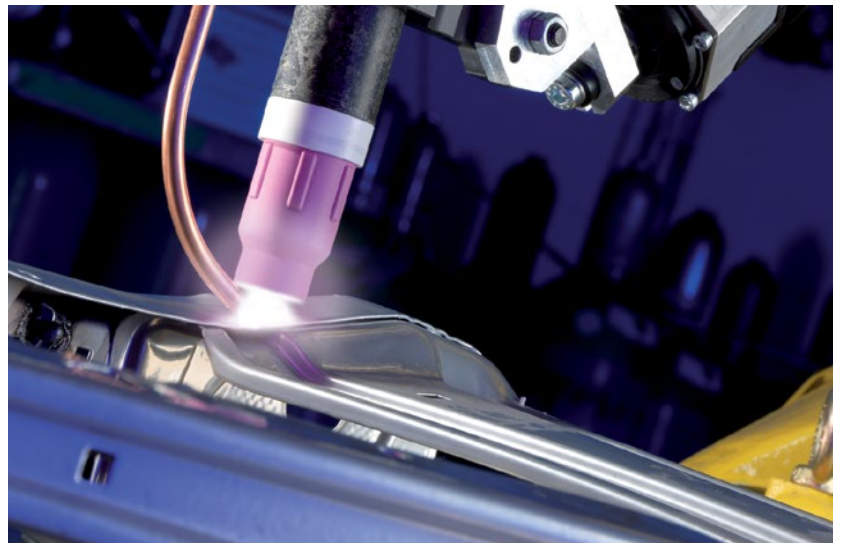
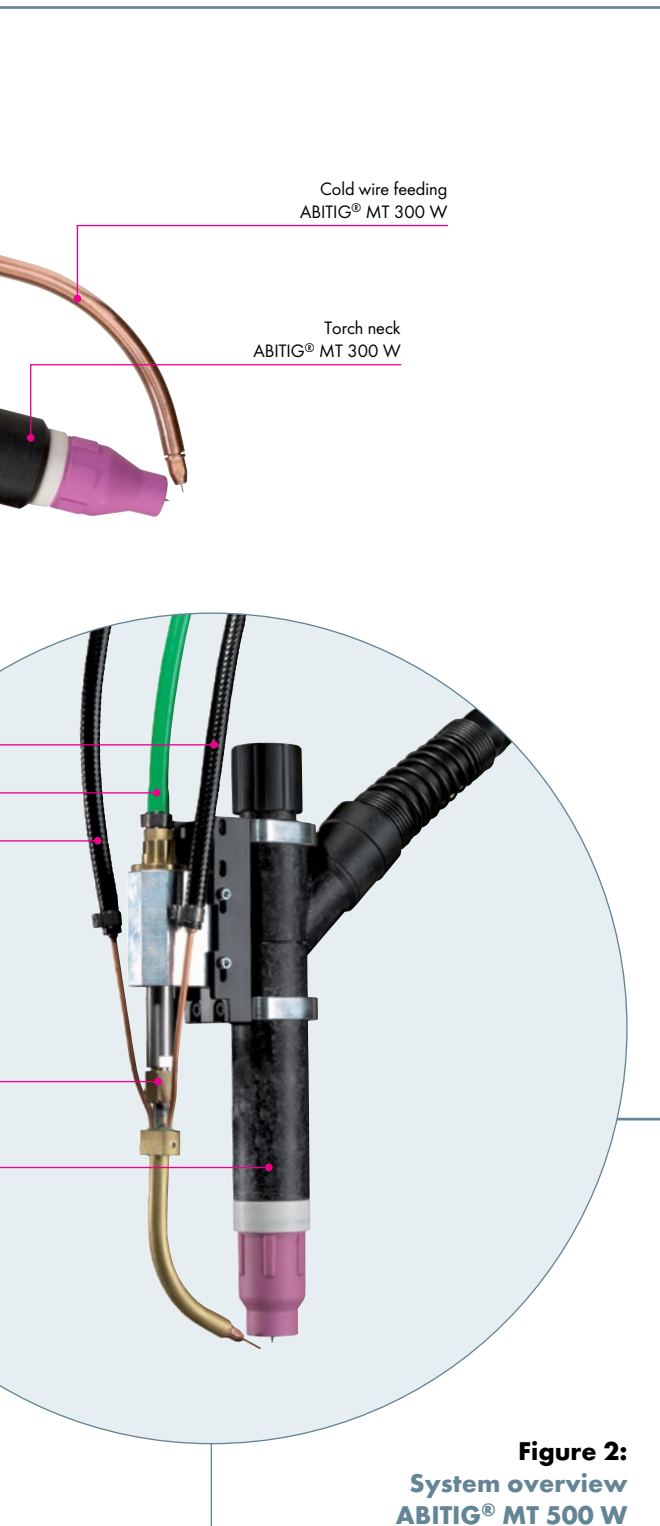


**Figure 1:**  
**Machine connection**

- 1.1 Hose for inert gas feed
- 1.2 Coolant return hose with closure
- 1.3 Coolant feed hose with closure
- 1.4 Sturdy brass connector with high-grip rubber bend protection (machine connection available for all standard power sources)

**Figure 2:**  
**System overview ABITIG® MT 500 W**

- 2.1 Coolant feed hose
- 2.2 Wire conduit
- 2.3 Coolant return hose
- 2.4 Feeding tube liquid cooled (optional)
- 2.5 Torch body ABITIG® MT 500 W



#### Technical data (EN 60 974-7):

##### ABITIG® MT 300 W

Type of cooling:	liquid cooled
Rating:	300 A DC 210 A AC
Duty cycle:	100 %
Electrode-Ø:	1.6-4.8 mm
Torch geometries:	0°

##### ABITIG® MT 500 W

Type of cooling:	liquid cooled
Rating:	500 A DC 350 A AC
Duty cycle:	100 %
Electrode-Ø:	1.6-6.4 mm
Torch geometries:	0°

#### Note on the technical data:

Rating data were determined under normal conditions at low to medium reflected heat, free air circulation and at 28° C ambient temperature. When used under more difficult conditions, the rating data must be reduced by 10 - 20 %. The rating data are reduced by up to 35 % for pulse arc welding.

# "ABITIG® MT" liquid cooled Torch Necks & Wear Parts

## ABITIG® MT 300 W

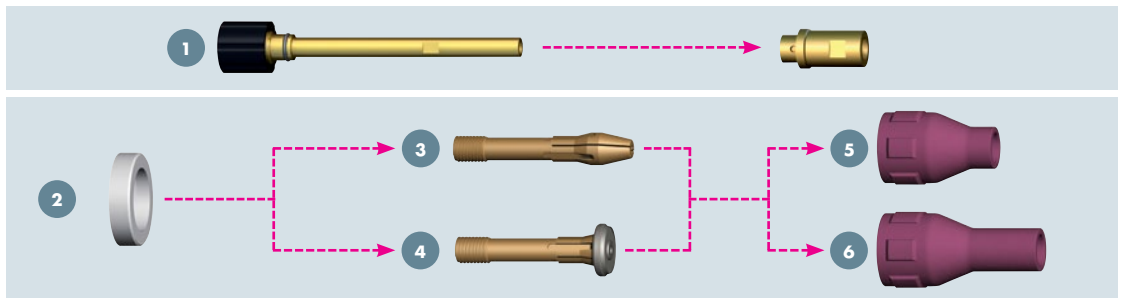


### Torch neck

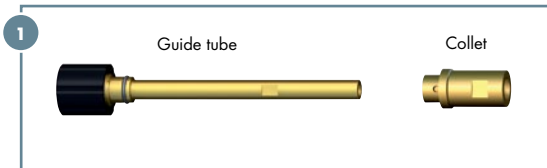
Features	Part-No.
ABITIG® MT 300 W Standard	779.2020

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

### Wear parts for ABITIG® MT 300 W



#### 1 Guide tube with collet (1 pc.)



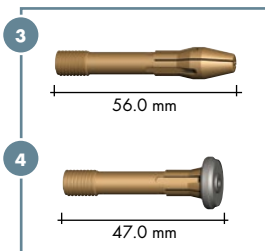
Type	Part-No.
Guide tube cpl.	778.1030
Collet	778.1140
O-ring (20 pcs.)	165.0079

#### 2 Insulator (1 pc.)



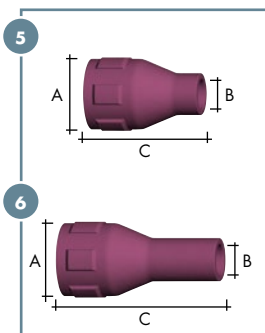
Type	Part-No.
Standard	775.1043

#### 3 Electrode holder 4 Gas diffuser (5 pcs.)



Type	Wire-Ø	Part-No.	
		Electrode holder	Gas diffuser
Standard	Ø 1.6	775.0062	773.0172
	Ø 2.0	775.0067	773.0177
	Ø 2.4	775.0063	773.0173
	Ø 3.2	775.0064	773.0174
	Ø 4.0	775.0065	773.0175
	Ø 4.8	775.0066	773.0176

#### 5 Gas nozzle, short 6 Gas nozzle, long (10 pcs.)



Short type	Ceramic	Ø A	Ø B	Length C	Part-No.
		Ø 23.5	Ø 7.5	37.0 mm	
		Ø 23.5	Ø 10.0	37.0 mm	775.0082
		Ø 23.5	Ø 13.0	37.0 mm	775.0083
		Ø 23.5	Ø 15.0	37.0 mm	775.0084

Long type	Ceramic	Ø A	Ø B	Length C	Part-No.
		Ø 23.5	Ø 7.5	52.0 mm	
		Ø 23.5	Ø 10.0	52.0 mm	775.2172
		Ø 23.5	Ø 13.0	52.0 mm	775.2173
		Ø 23.5	Ø 15.0	52.0 mm	775.2174

# "ABITIG® MT" liquid cooled Torch Necks & Wear Parts

## ABITIG® MT 500 W



### Torch neck

#### Features

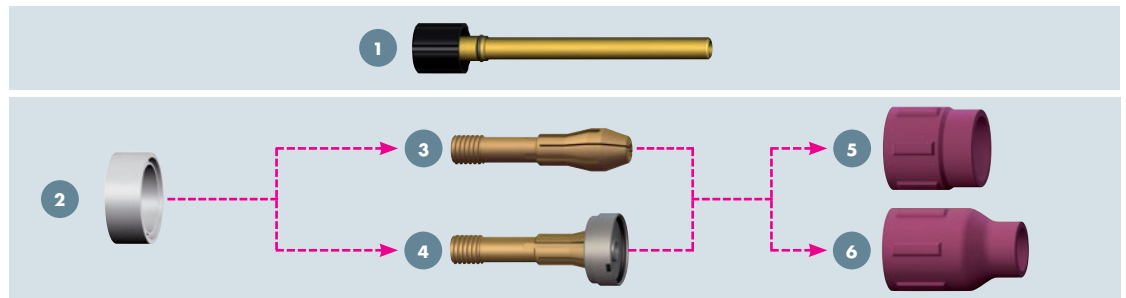
ABITIG® MT 500 W Standard

#### Part-No.

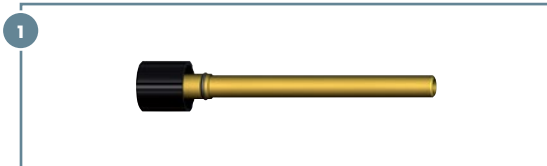
779.6020

Wear parts and fittings are not included in the scope of delivery! Please order these separately and according to the application!

### Wear parts for ABITIG® MT 500 W



#### 1 Guide tube (1 pc.)



#### Type

Guide tube cpl.  
O-ring (20 pcs.)

#### Part-No.

779.6026  
165.0079

#### 2 Insulator (1 pc.)



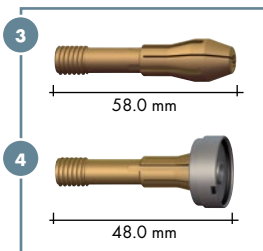
#### Type

Standard

#### Part-No.

779.6033

#### 3 Electrode holder 4 Gas diffuser (5 pcs.)



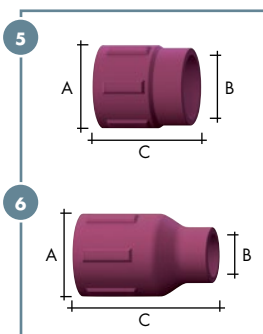
#### Type

#### Wire-Ø

#### Part-No.

		Electrode holder	Gas diffuser
Standard	Ø 1.6	779.6044	779.6058
	Ø 2.0	779.6049	779.6063
	Ø 2.4	779.6045	779.6059
	Ø 3.2	779.6046	779.6060
	Ø 4.0	779.6047	779.6061
	Ø 4.8	779.6048	779.6062
	Ø 6.4	779.6050	779.6064

#### 5 Gas nozzle, short 6 Gas nozzle, long (10 pcs.)



#### Short type

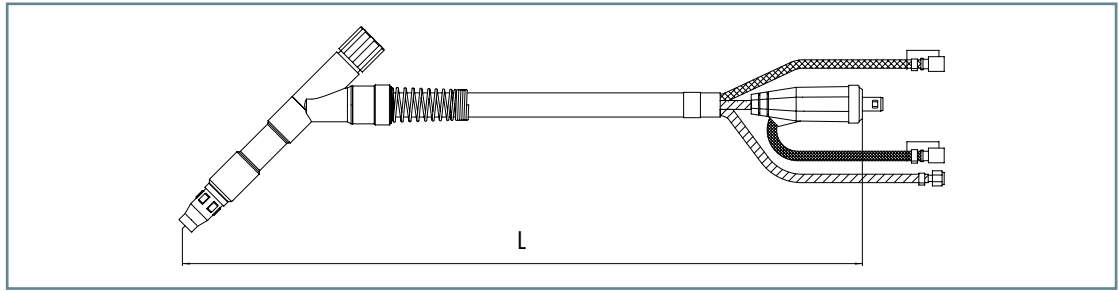
	Ø A	Ø B	Length C	Part-No.
Ceramic	Ø 31.0	Ø 24.0	34.0 mm	778.1189

#### Long type

	Ø A	Ø B	Length C	Part-No.
Ceramic	Ø 31.0	Ø 12.5	48.0 mm	778.1183
	Ø 31.0	Ø 16.0	48.0 mm	778.1184
	Ø 31.0	Ø 19.5	48.0 mm	778.1188

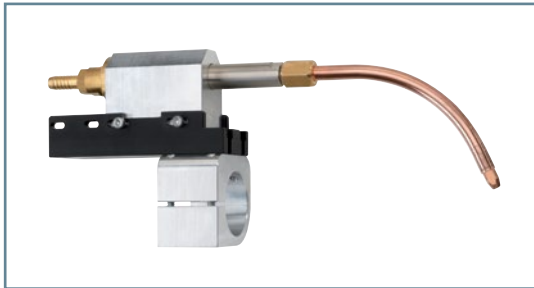
# “ABITIG® MT” liquid cooled Cable Assemblies, Cold Wire Feeding & Accessories

## Cable assemblies



On account of the large number of connection variants and cable assembly lengths we cannot list every part number here. Please contact your application consultant to find the optimum solution for your requirements. When you inquire, please have all the relevant information on hand, such as connection variant, make and type of power source, description of wire feed case, pin assignment for the control cable and individual connections for the airblast function.

## Cold wire feeding



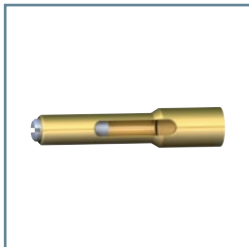
### Cold wire feeding for ABITIG® MT

Type	Part-No.
Cold wire feeding cpl. ABITIG® MT 300W	779.6514.1
Cold wire feeding cpl. ABITIG® MT 500W	779.6500
Feeding tube ABITIG® MT liquid cooled (optional)	779.6505

### Feed nozzle

Type	Diameter	Part-No.
Standard	0.8 mm	967.0329
	1.0 mm	967.0330
	1.2 mm	967.0331
	1.6 mm	967.0332

## Accessories



### Setting gauge ABITIG® MT

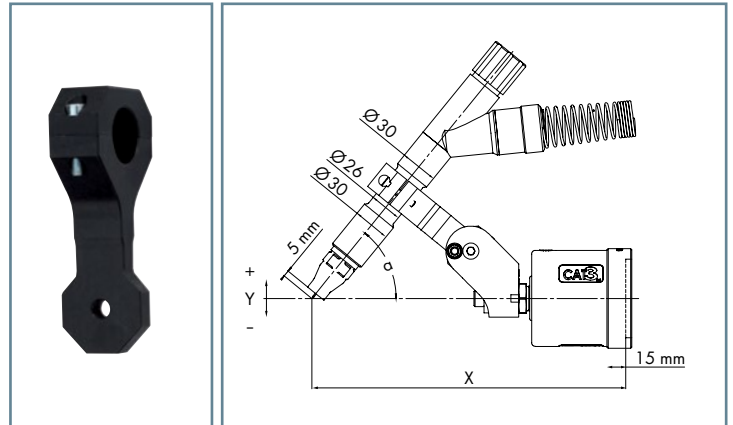
for torch type	Part-No.
ABITIG® MT 300W	778.1157

# “ABITIG® MT” liquid cooled Holder & TCP Geometries

## Clamp holder MT 26 for ABITIG® MT 300 W

in connection with CAT3 cpl.

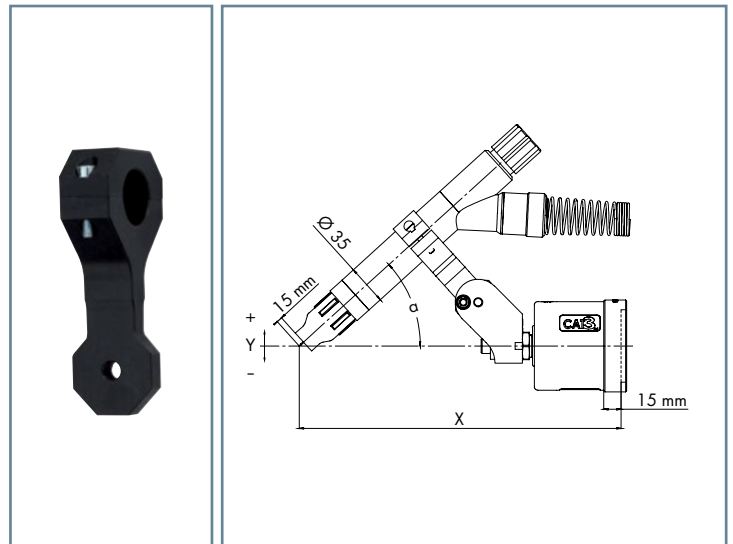
Torch type	X	Y	$\alpha$	Part-No.
	(mm)			
ABITIG® MT 300W	245	0	40°	780.0258



## Clamp holder MT 35 for ABITIG® MT 500 W

in connection with CAT3 cpl.

Torch type	X	Y	$\alpha$	Part-No.
	(mm)			
ABITIG® MT 500W	275	0	40°	780.0292







# Robot Peripherals

## System Solutions



### Robot Mount "CAT3"

To stop collisions quickly ...

**Application areas:** Standard welding robot with external cable assembly

Page 79



### Robot Mount "iCAT" and "iSTM"

Safety & movement in perfect harmony ...

**Application areas:** Hollow wrist robots with and without integrated collision software and internal cable assembly

Page 85



### Wire Feeder System "MasterLiner"

State of the art wire feeding ...

**Application areas:** Robot controlled welding processes

Page 107



### Torch Cleaning Station "BRS" and Accessories

Connect & clean ...

**Application areas:** MIG/MAG welding torches from all common torch brands

Page 119



# Robot Peripherals

## Robot Mount "CAT3"



### It's the switch that makes the difference ...

The robot mount CAT3 is used with externally guided welding torch cable assemblies. Due to the deflection of the welding torch in a collision, the welding robot is reliably stopped by the CAT3 integrated switch-off function, which prevents damage to the welding robot and welding torch equipment.

In addition, the precise resetting accuracy allows for a fast resumption of the production process. This means that production downtimes are reduced to a minimum. The CAT3 is a process-oriented development of the established robot mounts CAT2 and CAT2-HL.

The robot mounts CAT2 and CAT2-HL can be easily exchanged with CAT3 without reprogramming the robot.

The wide range of holder and flange accessories always offer the right product solution for your application.

### Arguments that speak for themselves:

- Technically sophisticated, robust design
- Simple installation on welding robots
- Compact size for perfect accessibility
- Reliable switching function
- High resetting accuracy minimises line downtimes
- Different spring types available for adjustment to the tool weight
- Excellent protection against contamination

### Area of application:

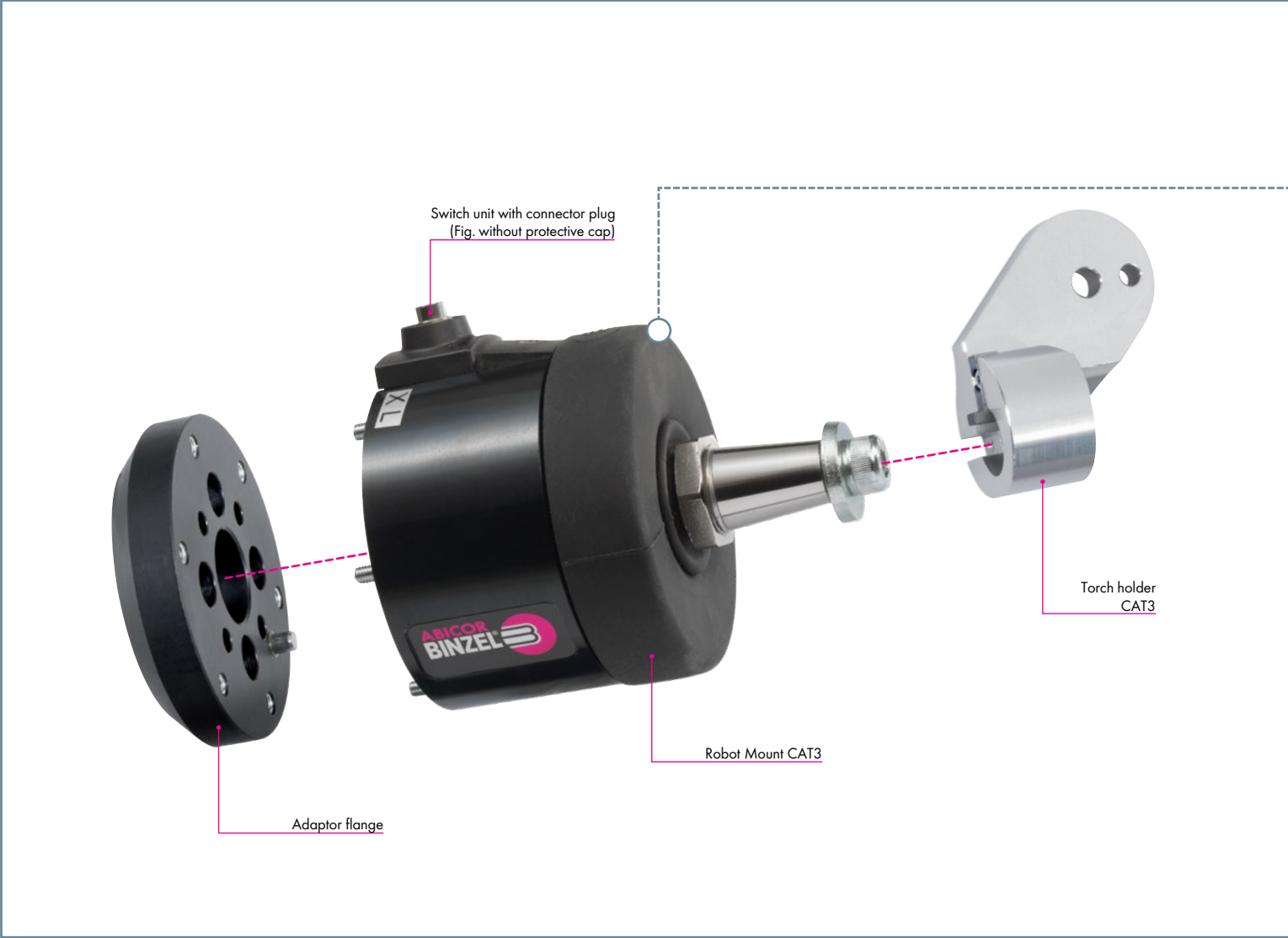


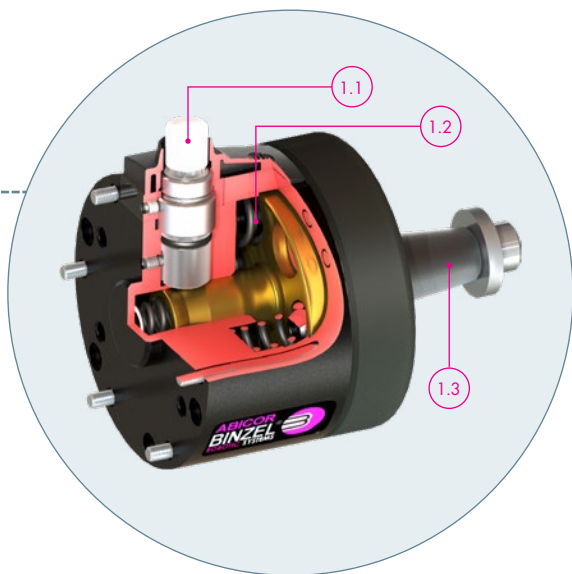
Standard welding robot with cable assembly on the outside



# Robot Mount "CAT3"

## System Overview & Technical Data





**Figure 1:**  
Cross-section CAT3

**Figure 1:**  
Cross-section CAT3

- 1.1 The switch is integrated directly into the housing
- 1.2 Compression springs available in various spring sizes (M, L, XL)
- 1.3 HL-mount for reliable fastening, even at higher weights



**Technical Data:**  
**Robot Mount CAT3**

Dimensions:	Ø 77 mm, height 106 mm
Weight:	960 g (without holder and flange)
Release force:	<b>(see page 82)</b> Deflection CAT3
Switch point:	- Deflection in X- and Y-direction: 1.2° - 1.5° - Deflection in Z-direction: 1.3-1.6 mm
Max. deflection:	- Deflection in X- and Y-axis: ca. 7° - Deflection in Z-axis: 5 mm
Resetting accuracy:	<b>(see page 82)</b> X-, Y- and Z-direction: ± 0.04 mm (at 400 mm distance to the robot flange)
IP Protection class:	IP 21
Load capacity safety cut-out:	max. 30 V DC / 100 mA
Ambient temperature:	- in operation: -10 °C up to +55 °C - during storage and transportation: -10 °C up to +55 °C
Relative humidity:	- in operation: up to 70% at 20 °C - during storage and transportation: up to 70% at 20 °C

# Robot Mount "CAT3"

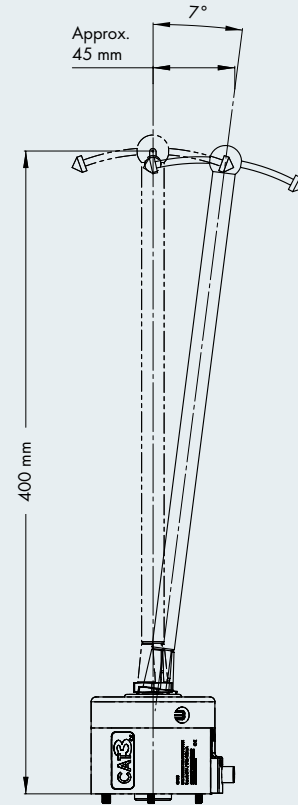
## Deflection & Release torque

### Deflection of the robot mount CAT3

Collision in direction of the X- or Y-axis  
Collision in direction of the Z-axis

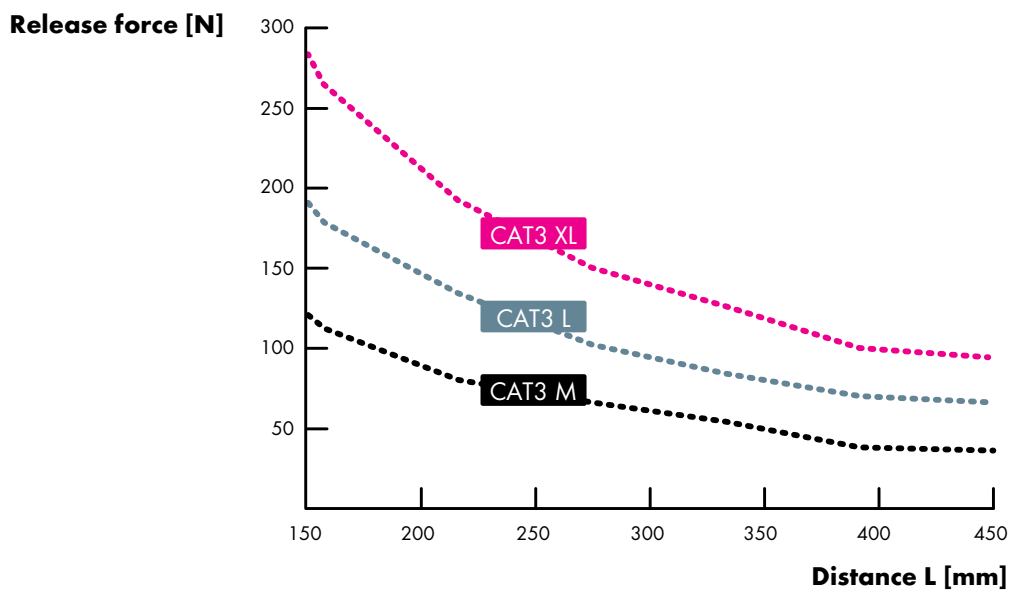


Maximum deflection in X- and Y-axis



### Release torque of the robot mount CAT3

The following figure shows the static release force of the different spring types as a function of the distance:



# Robot Mount "CAT3"

## Robot Mount & Accessories

### Robot Mount CAT3



Description	Part-No.
Robot Mount CAT3 XL	780.2050.1
Robot Mount CAT3 L	780.2051.1
Robot Mount CAT3 M	780.2052.1

A connection cable is included in the scope of the order.  
Please order the flanges and holders separately according to the robot type and welding task.

### Flanges

Description	Part-No.	
	Aluminium flange	Plastic flange
Intermediate flange <sup>1</sup> ISO 9409-1-A63	780.0514.1	780.0614.1
Intermediate flange <sup>1</sup> ISO 9409-1-A50-d31,5	780.0508.1	780.0608.1
Intermediate flange <sup>1</sup> ISO 9409-1-A125	780.0530.1	780.0630.1
Intermediate flange <sup>1</sup> ISO 9409-1-A50/D=63	780.0594.1	780.0694.1
Intermediate flange <sup>1</sup> ISO 9409-1-A31,5	780.0532.1	780.0632.1
Intermediate flange <sup>1</sup> ISO 9409-1-A100	780.0549.1	780.0649.1
Intermediate flange <sup>1</sup> ISO 9409-1-A160	780.0547.1	780.0647.1
Intermediate flange <sup>1</sup> ISO 9409-1-A40-D50	780.0591.1	780.0691.1
Intermediate flange <sup>2</sup> ISO 9409-1-A50	780.0503.1	780.0603.1
Intermediate flange <sup>2</sup> ISO 9409-1-A40	780.0504.1	780.0604.1

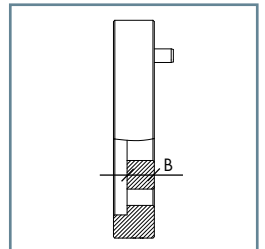
<sup>1</sup> Flange width B=15 mm (Standard version)

<sup>2</sup> Flange width B=10 mm (Special version)

Intermediate flanges are available for all standard welding robots. Please always specify the robot type.

#### Attention!

The MIG/MAG welding torches of the ABIROB® A series must be used with plastic intermediate flange.



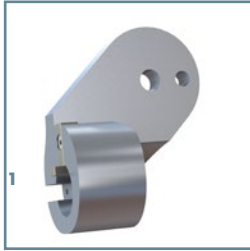
### Spares



Pos.	Description	Part-No.
1	Bellow CAT3	780.2059.1
2	Switch cover CAT3 cpl.	780.2061.1
3	Switch cpl. CAT3	780.2062.1
4	Screw set CAT3 M4x55	780.2076.1
5	Mounting kit CAT3	780.2044.1
6	Connector cable CAT	780.0201.1

# Robot Mount "CAT3" Holders

## Halter CAT3



Pos.	Description	Part-No.
1	Holder CAT-HL <sup>1</sup>	780.0323.1
not ill.	Segment holder CAT-HL <sup>2</sup>	780.0305.1

All holders are TCP-compatible to CAT2 and CAT2-HL.

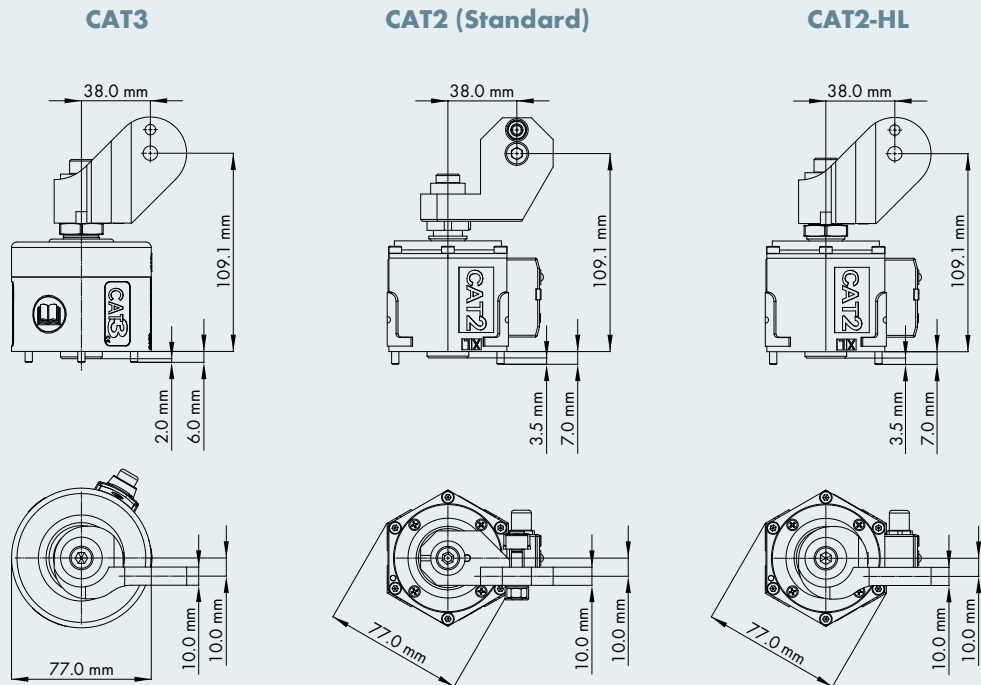
Holders are suitable for CAT3 and CAT2-HL.

For additional torch holders please refer to the ordering documents for the respective torch series.

<sup>1</sup> TCP-compatible to standard holders for CAT2 780.0202

<sup>2</sup> TCP-compatible to standard holders for CAT2 780.0147

### Comparison of the geometries between the CAT3 robotic holders and the previous versions CAT2 (standard) and CAT2-HL:





# Robot Peripherals

## Robot Mount "iCAT"



### Safety & movement in perfect harmony ...

iCAT – the robot mount for the latest generation of welding robots with integrated cable assembly feeding offers a high level of safety & movement for both air and liquid cooled welding torches.

Mechanical crash deflection by up to 10° in the event of a collision between the torch and the workpiece. The iCAT takes over the "buffer function" to avoid damage to the welding torch, peripheral equipment and robot. The integrated safety protection provides additional safety for the iCAT, stopping the robot immediately in the event of a "crash".

### Advantages that speak for themselves:

- Extremely torsion-resistant cable assembly – rotatable through 400° (+/- 200°)
- Reliability & optimum line availability thanks to high resetting accuracy
- Reproducibility & long service life thanks to sturdy and straightforward design
- Great flexibility and optimum component access
- Reduction of maintenance costs since assembly and handling are easy
- The comprehensive protection against dust and welding spatter offers maximum reliability
- **Additional feature:**  
Optional airblast function through the cable assembly

### Area of application:

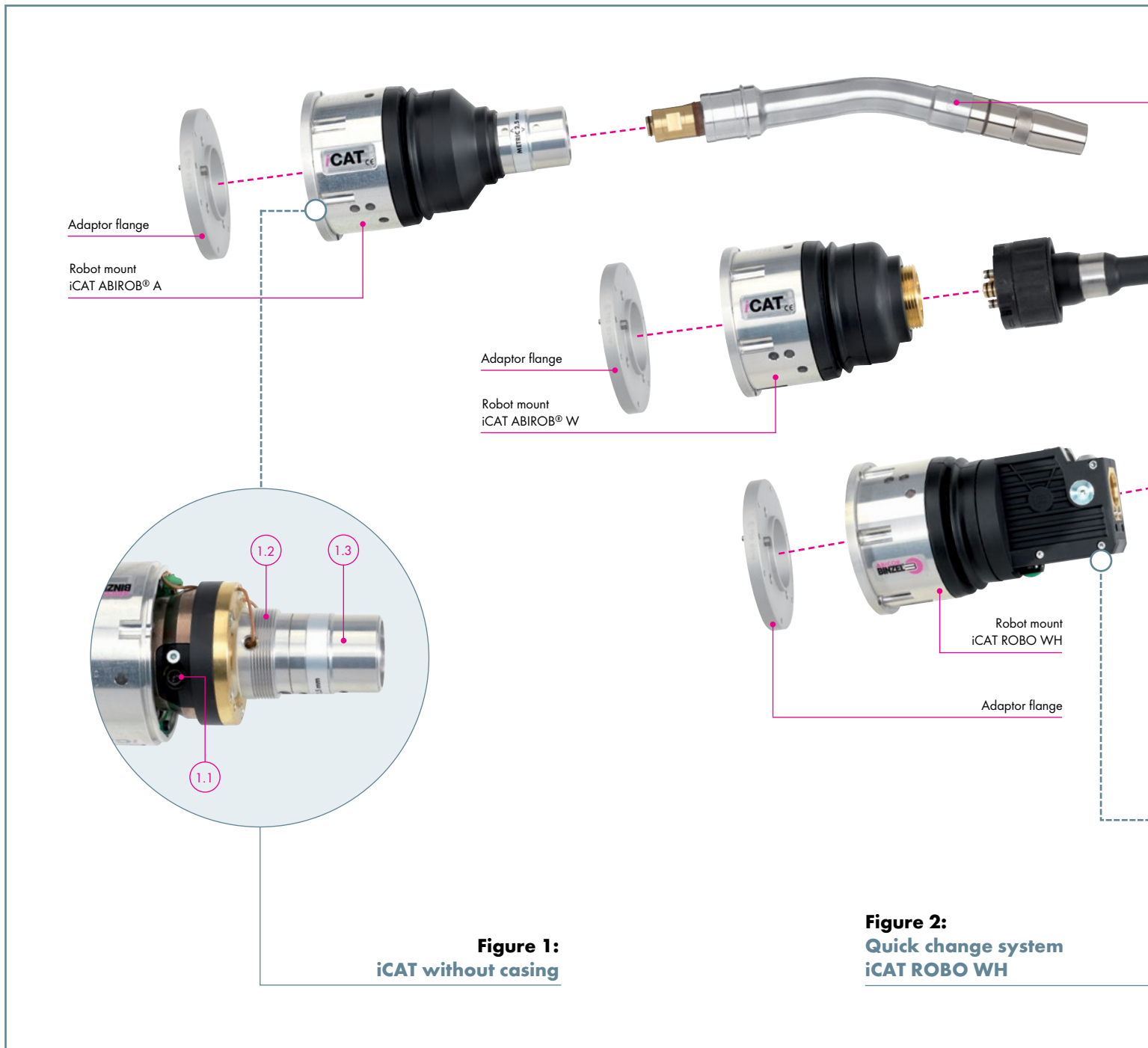


For all applications where a mechanical cut-out is required



# Robot Mount "iCAT"

## System Overview & Technical Data

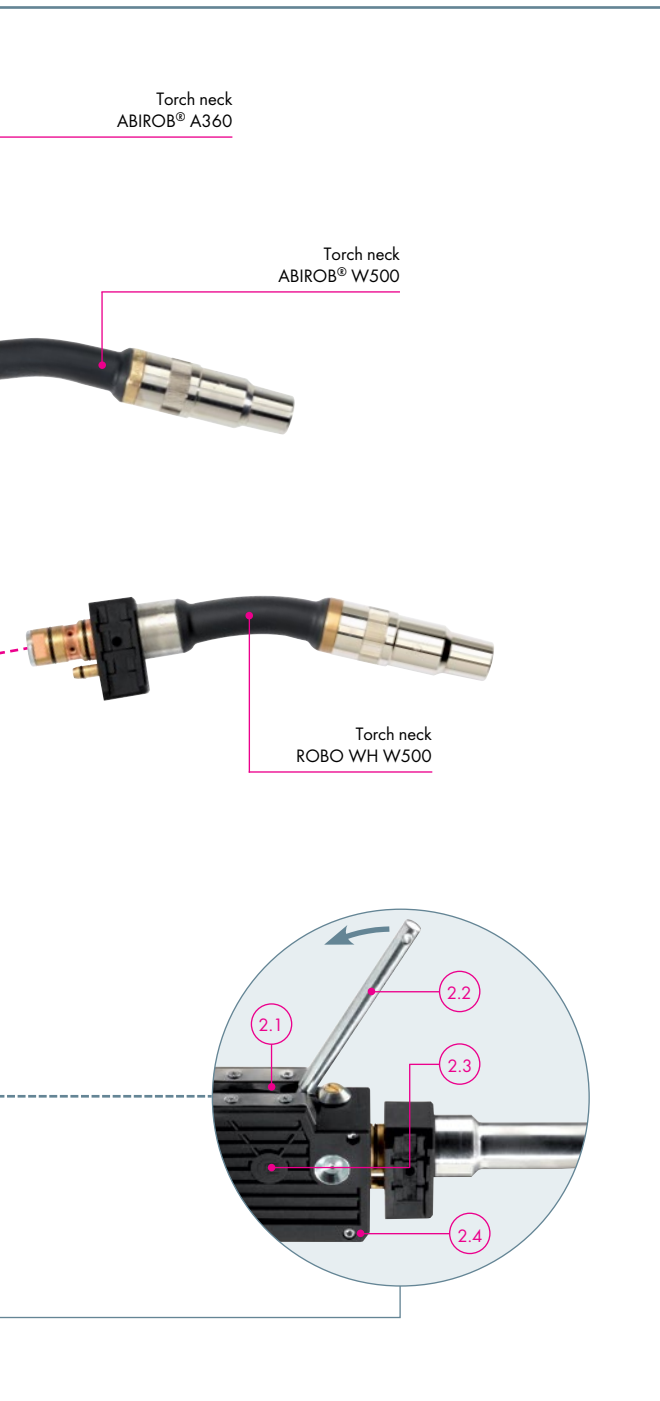


**Figure 1:**  
iCAT without casing

**Figure 2:**  
Quick change system  
iCAT ROBO WH

**Figure 1:**  
iCAT ABIROB® A without casing

- 1.1 Clamping screw for safe clamping of the cable assembly
- 1.2 Thread for easy removal of the protective cap without tools being necessary
- 1.3 Torch seat for the corresponding torch necks of the torch systems ABIROB® A, ABIROB® W, ABIROB® GC and ROBO WH



**Figure 2:**  
**Quick change system iCAT ROBO WH**

- 2.1 Rubber seals prevent dust/spatter penetration
- 2.2 Tool for manual torch neck replacement (hand lever)
- 2.3 Integrated wire-cutting function for torch neck replacement
- 2.4 Sturdy housing for change body



**Technical data:**  
**Robot mount iCAT**

Dimensions:	Length 162 mm $\varnothing$ 90 mm
Weight:	approx. 1600 g approx. 2100 g (inc. adaptor flange and torch)
Release force:	36 N* +/- 3 N (at 360 mm distance to the robot flange)
Maximum deflection:	- Deflection in the X- and Y-axis: approx. 10° - Deflection in the Z-axis: approx. 4 - 8 mm
Triggering the emergency-off switch:	- Deflection in the X- and Y-plane: approx. 0.7 - 1° - Deflection in the Z-plane: approx. 0.5 - 1°
Resetting accuracy:	< +/- 0.1 mm (at 300 mm distance to the robot flange)
Load capacity of safety cut-out:	24 v DC, max. 100 mA

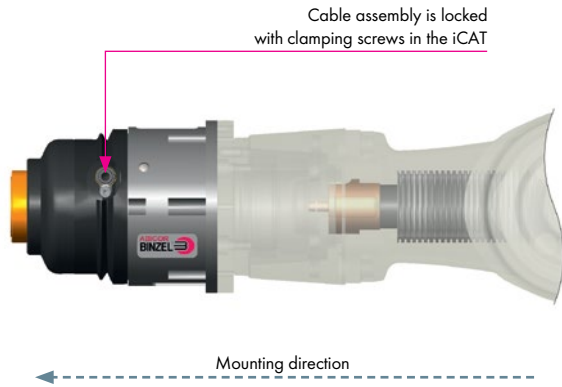
The capacity data for the robot mount in connection with the corresponding torch necks can be found in the respective chapters.

\* Further spring forces available on request.

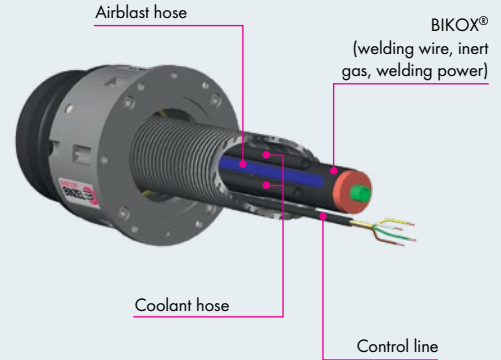
# Robot Mount "iCAT"

## Cable Assemblies for Hollow Wrist Robots

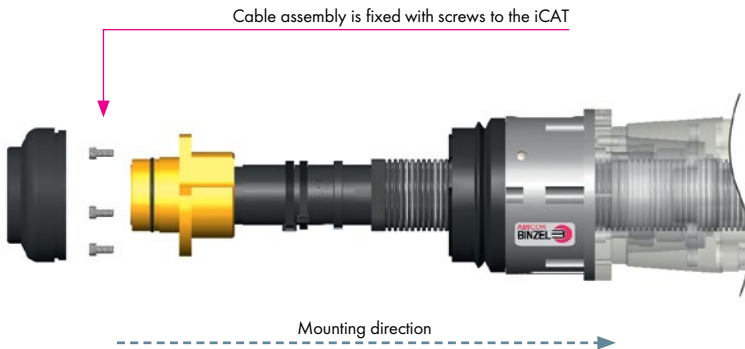
### 1. Cable assemblies with connection over interface



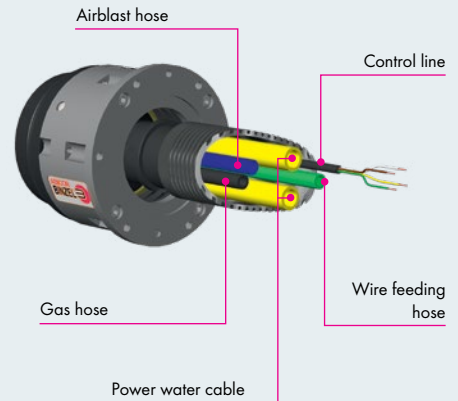
### Sectional view



### 2. Cable assemblies with direct connection to iCAT



### Sectional view



### 1. Cable assemblies with connection over interface

Configuration	Cooling	Rating (at 100% DC)	suitable for torch type									optionally wire brake available
			ABIROB® A			ABIROB® W			ROBO WH			
			300	360	500	300	500	600	300	500	600	
BIKOX®	air	360 A CO <sub>2</sub> 340 A Mixed gases <sup>1</sup>	✓	✓	✓	-	-	-	-	-	-	no
BIKOX®-Hybrid assembly with central gas flow <sup>2</sup>	liquid	360 A CO <sub>2</sub> 340 A Mixed gases <sup>1</sup>	-	-	-	✓	✓	-	✓	✓	-	no

### 2. Cable assemblies with direct connection to iCAT<sup>3</sup>

Power water cable (single)	liquid	500 A Mixed gases <sup>1</sup>	-	-	-	-	✓	✓	-	✓	✓	yes
Power water cable (double)	liquid	600 A Mixed gases <sup>1</sup>	-	-	-	-	-	✓	-	-	✓	yes

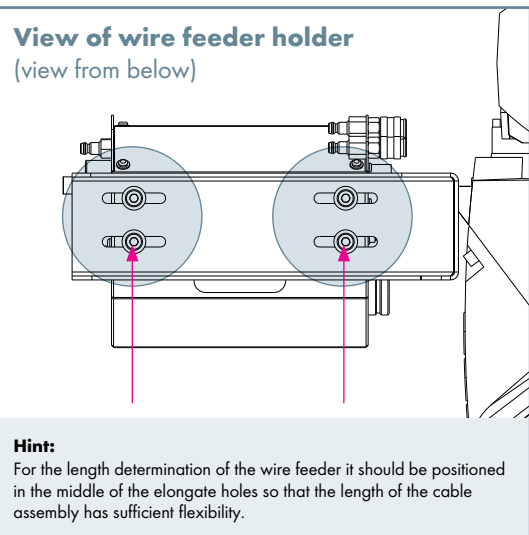
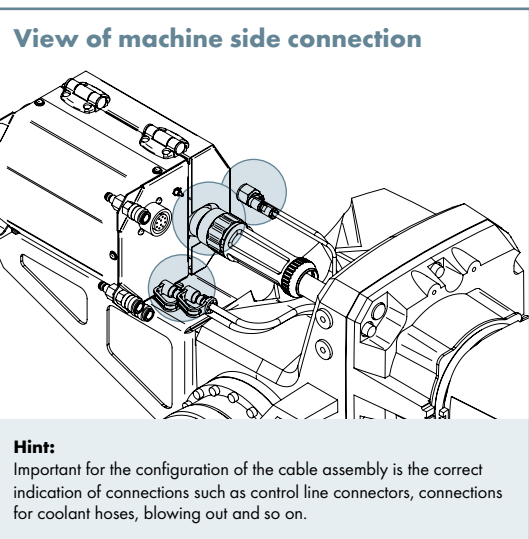
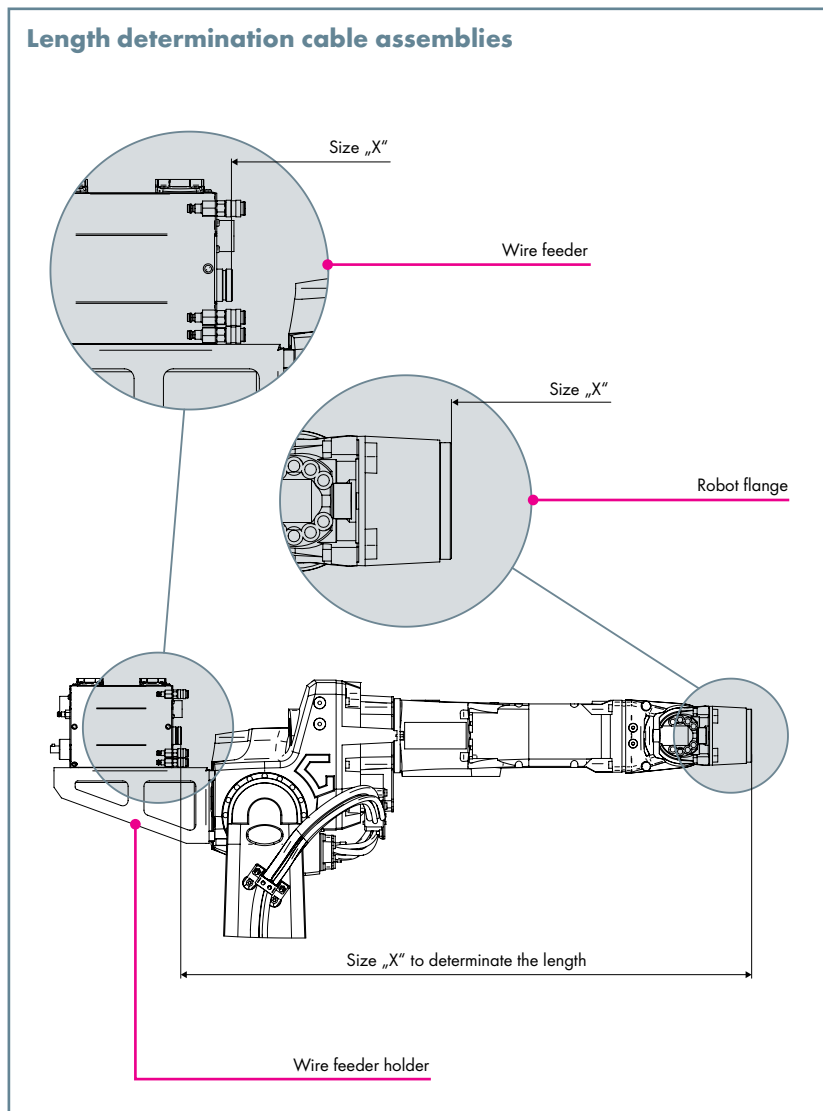
<sup>1</sup> M21 (EN ISO 14175)

<sup>2</sup> **Hint:** Due to the central gas flow in the cable assembly not suitable for torch neck ABIROB® W600

<sup>3</sup> **Hint:** The passage of the sixth axis at the hollow wrist robot must be at least 45 mm

# Robot Mount "iCAT"

## How to order a Hollow Wrist Cable Assembly



**Important information for ordering hollow wrist cable assemblies (please fill in):**

**1. General Information:**

Type and manufacturer of the robot:

---

Type and manufacturer of the wire feeder:

---

Welding torch system (e.g. ABIROB® A):

---

Control lines connector (e.g. Amphenol, open, etc. ...):

---

Size „X“ cable assembly (see above)

---

**2. Desired additional functions:**

- Blowing out function   
  Gas nozzle sensor   
  Wire brake

**3. Other information:**

---



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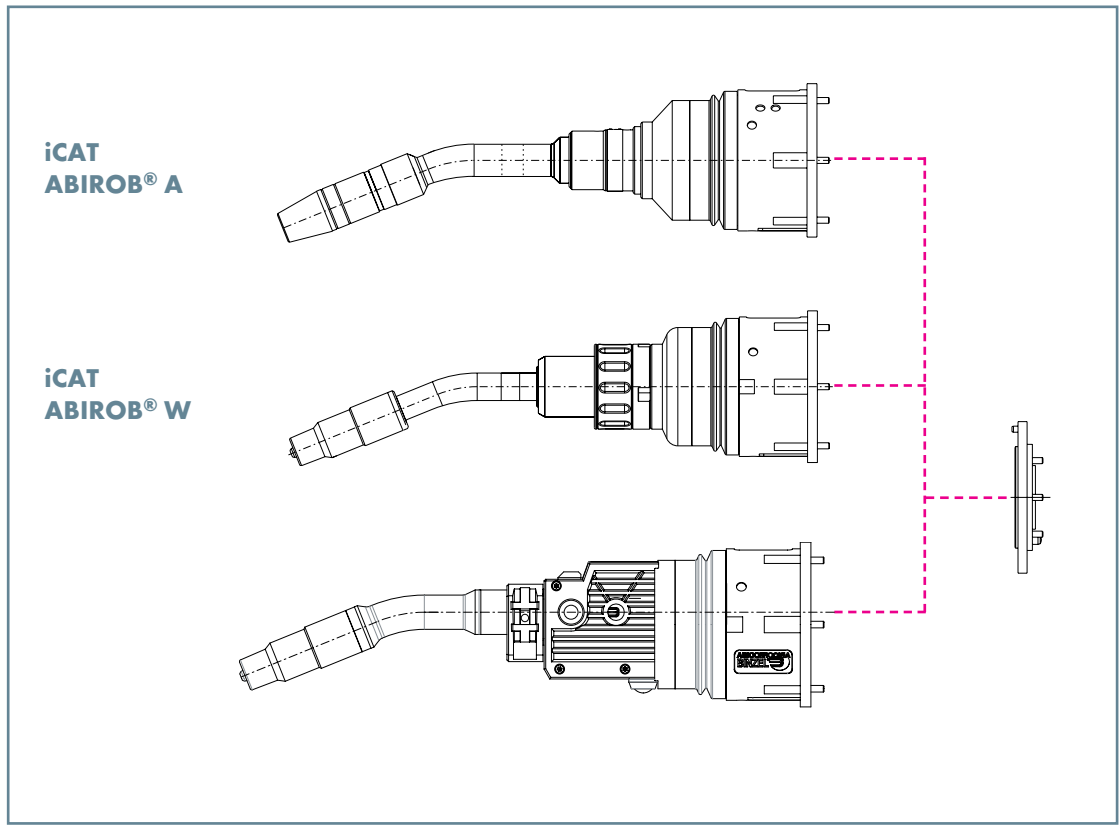


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# Robot Mount "iCAT"

## Robot Mount & Adaptor Flanges

### Robot mount iCAT



#### Description

Description	Part-No.
Robot mount iCAT ABIROB® A cpl.	780.3101.1
Robot mount iCAT ABIROB® W cpl.	780.3130.1
Robot mount iCAT ABIROB® GC cpl.	780.3110.1
Robot mount iCAT ROBO WH	780.3150.1

**Please note:** The corresponding torch necks can be found in the respective chapters from page 7.

### Adaptor flanges



Type	Description	Part-No.
Adaptor flange for YASKAWA®	EA1400N / SSA 2000 or EA1900N	780.0575.1
Adaptor flange for ABB®	IRB 1600 ID	780.0589.1
Adaptor flange for KUKA®	KR5 Arc HW	780.0590.1
Adaptor flange for FANUC®	Arc Mate iC Series	780.0583.1
Adaptor flange for OTC®	All B4 or AIIX B4L	780.0696.1

Adaptor flanges for other welding robots on request. Please indicate the robot type.

# Robot Mount “iCAT”

## Liners & Accessories

### Liners

Type	for connection type <sup>1</sup>	Wire-Ø	up to L=2.2 m	up to L=3.6 m
Liner steel	ABICOR BINZEL® Euro central connection	Ø 1.0-1.2	-	124.0146.1
Liner steel	Fronius®	Ø 1.0-1.2	124.0174.1	-
Liner steel	OTC®	Ø 1.0-1.2	124.0166.1	-
Liner steel	Panasonic®	Ø 1.0-1.2	124.0164	-

<sup>1</sup> Liners for further connection types are available on request.

### Accessories



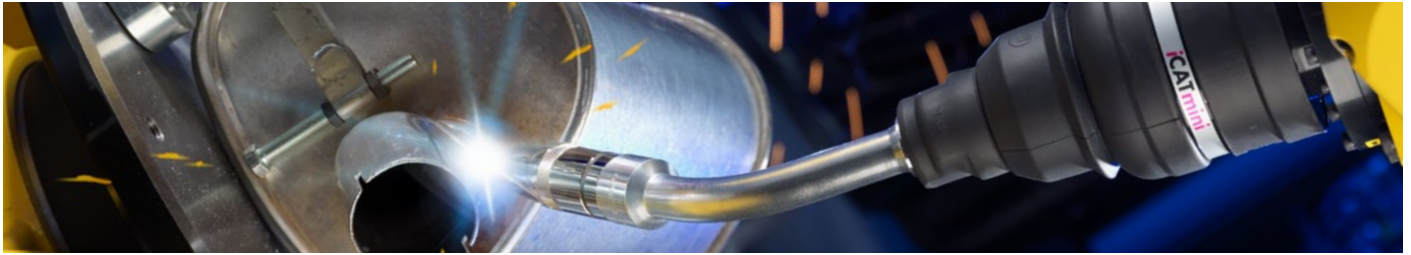
	Description	Part-No.
1	Insertion aid (for straightforward cable assembly attachment)	980.2153
not ill.	Corrugated hose clamp cpl. (for KUKA® KR5 arc HW)	400.1407.1
	Corrugated hose clamp cpl. (for KUKA® KR16 arc HW)	400.1428.1
	Corrugated hose clamp cpl. (for YASKAWA® EA 1400 / EA 1900)	400.1153.1
	Corrugated hose clamp cpl. (for OTC® Almega Ax V4)	400.1363.1
	Corrugated hose clamp cpl. (for REIS® RV 20/30)	400.1360.1
not ill.	Protective tube	109.0074
not ill.	Corrugated hose end piece NW36	500.0453
not ill.	Protective hood (for iCAT)	191.0117





# Robot Peripherals

## Robot mount „iCAT mini“



### Compact, precise, simple and value-for-money ...

The compact robot mount iCAT mini – with integrated cable assembly guide for air cooled welding applications – was designed for use on hollow wrist robots up to 400 A at automotive suppliers and in general industries. The overall system comprises a welding torch, safety cutoff and cable assembly with a heavy-duty and torsion-resistant coaxial cable for a long service life.

The torch neck versions ABIROB® G350, G360 and G500, which are equipped with the new G-interface, are available to complement the compact iCAT mini system. Their outstanding features include stability and repeat accuracy – for excellent and reproducible welding results.

The torch neck types of the G-series are available in various TCP versions and can fall back on the tried-and-trusted wearing part concept of the ABIROB® A and GC series.

### Arguments that speak for themselves:

- Low purchasing price, fast and simple installation and long service life
- Low weight of approx. 1200 g (incl. welding torch)
- Reduced design size for access in tight and complex jigs or components
- Extremely good reset precision – combined with large deflection for the optimum protection of robot and welding torch
- Extensive range of welding torches with different performance classes
- Can be used with all standard hollow wrist welding robots

### Area of application:

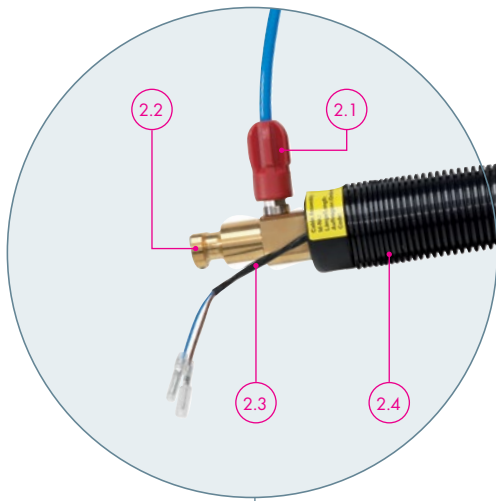
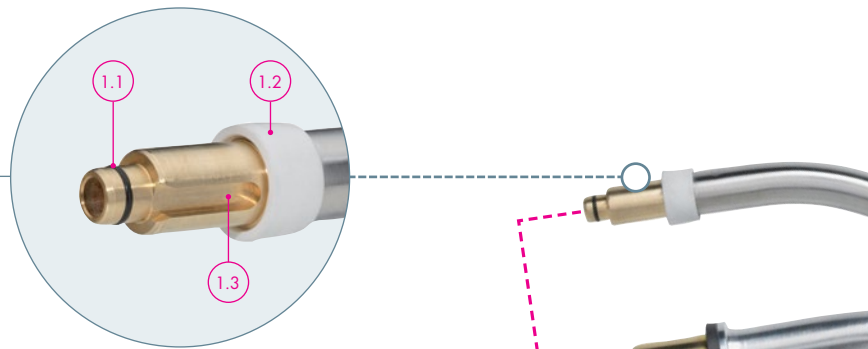


For all applications where a mechanical cut-out is required

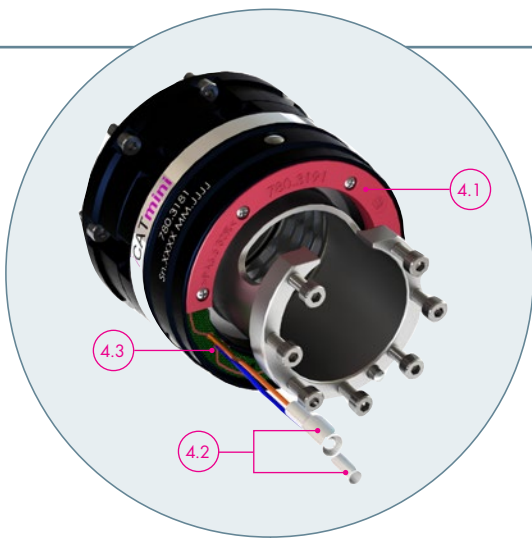
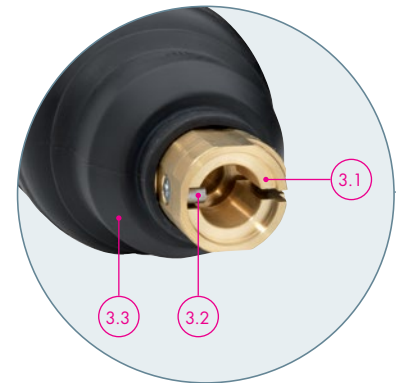
# Robot mount „iCAT mini“

## System Overview & Technical Data

**Figure 1:**  
Interface at the welding torch



**Figure 2:**  
Interface on the machine side



**Figure 4:**  
iCAT mini in detail

**Figure 1:**  
Interface at the welding torch

- 1.1 O-ring seal guarantees the safe and gas-tight connection to the welding torch interface at the cable assembly
- 1.2 Insulating ring for additional insulation protection
- 1.3 Groove for positioning the welding torch for fast and simple changing of the torch neck

**Figure 2:**  
Interface on the machine side

- 2.1 Connection for inert gas
- 2.2 Welding current connectors available for all standard wire feeds
- 2.3 Signal cable for transmitting the emergency-stop signal
- 2.4 Cable assembly – with heavy-duty, torsion-resistant coaxial cable for high reliability and long service life



**Figure 3:**  
Cable assembly  
interface on the  
torch side

**Figure 3:**  
Cable assembly interface on the torch side

- 3.1 Welding torch interface
- 3.2 Feather key positioning for precise positioning of the welding torch
- 3.3 Boot as protection against welding splatter and soiling

**Figure 4:**  
iCAT mini in detail

- 4.1 Protective ring cover to protect the signal board from soiling
- 4.2 Signal cables with ports for connection to the cable assembly
- 4.3 Integrated signal board



**Technical data:**

**Robot mount iCAT mini**

Dimensions:	Length 92 mm (without adapter flange) Ø 88 mm
Weight:	approx. 850 g (without adapter flange and cable assembly)
Release force:	24 N ± 3 N (at a distance of 400 mm to the robot flange)
Maximum deflection:	Deflection in X- and Y-axis: approx. 11° Deflection in Z-axis: approx. 8 mm
Triggering of the emergency-off switch:	- Deflection in the X- and Y-plane: approx. 0.5-1° - Deflection in the Z-plane: approx. 0.5-1 mm
Resetting accuracy:	< ± 0.1 mm (at 400 mm distance to the robot flange)
Load capacity of safety cut-out:	24 V DC, max. 100 mA

# Robot Mount "iCAT mini" Torch necks ABIROB® G



## Technical data (EN 60 974-7):

### ABIROB® G350

Type of cooling:	air cooled
Rating:	350 A CO <sub>2</sub> 300 A Mixed gases M21 <sup>1</sup>
Duty cycle:	100 %
Wire-Ø:	0.8-1.4 mm
Torch geometries:	30°/35°/45°

### ABIROB® G360

Type of cooling:	air cooled
Rating:	360 A CO <sub>2</sub> 290 A Mixed gases M21 <sup>1</sup>
Duty cycle:	100 %
Wire-Ø:	0.8-1.6 mm
Torch geometries:	22°/35°/45°

### ABIROB® G500<sup>2</sup>

Type of cooling:	air cooled
Rating:	500 A CO <sub>2</sub> 400 A Mixed gases M21 <sup>1</sup>
Duty cycle:	100 %
Wire-Ø:	0.8-1.6 mm
Torch geometries:	22°/35°/45°

<sup>1</sup> Mixed gases M21 as per DIN EN ISO 14175

<sup>2</sup> **Note:** The maximum performance data of the cable assembly are 360 A CO<sub>2</sub> and 350 A Mixed gases M21 (DIN EN ISO 14175).



# Robot Mount „iCAT mini“

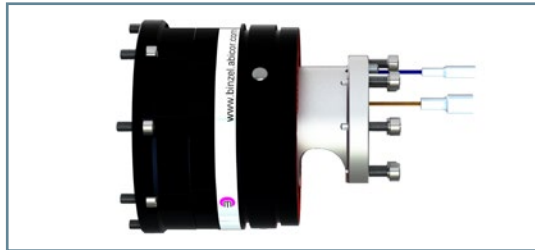
## Order numbers & technical details

### Torch necks

Torch type	Part-No.			
	22°	30°	35°	45°
ABIROB® G350	-	980.0190.1	980.0185.1	980.0203.1
ABIROB® G360	980.0215.1	-	980.0222.1	980.0216.1
ABIROB® G500	980.0208.1	-	980.0223.1	980.0209.1

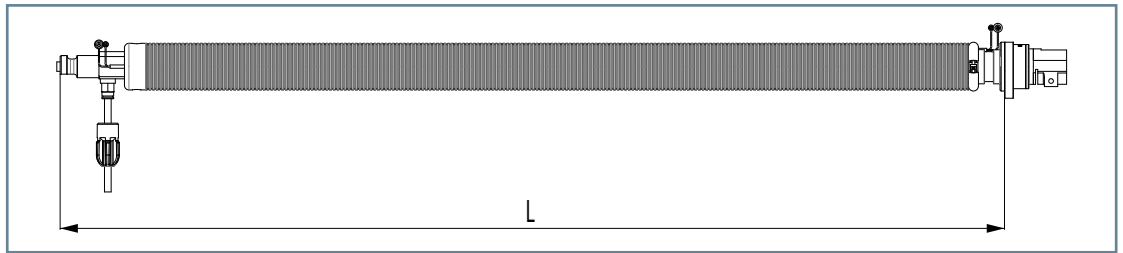
**Please note:** The respective wearing parts can be found in the current ROBO catalogue. Further torch necks on request.

### Robot mount iCAT mini



Description	Part-No.
Robot mount iCAT mini for all torch types incl. fixing materials and protective covers (without robot flange)	780.3181.1

### Cable assemblies



#### Cable assembly cpl. (with RPC or PANASONIC® connection)<sup>1</sup>

Description	Feed type	Length <sup>2</sup>	Part-No.
MOTOMAN® MA1440 T50	MOTOWELD®	L=0.84 m	980.2412.1
MOTOMAN® MA2010 T50	MOTOWELD®	L=1.26 m	980.2413.1

Configuration	Cooling	Rating (at 100% DC)	suitable for torch type			optionally wire brake available
			ABIROB®			
			G350	G360	G500	
BIKOX® T50	air cooled	360 A CO <sub>2</sub> 340 A Mixed gases M21 <sup>3</sup>	✓	✓	✓	yes

### Adapter flanges, liners and spare parts



#### Adapter flanges (shown on the left)<sup>4</sup>

Type	Description	Part-No.
Adapter flange for YASKAWA®	MA1440 / 2010	780.3509.1
Adapter flange for YASKAWA®	MA1400 / 1900	780.3516.1
Adapter flange for ABB®	IRB 1520iD	780.3515.1
Adapter flange for FANUC®	100 / 120 iC	780.3509.1

#### Liners and spare parts (not shown)

Type	Part-No.
Liner	124.0165
Protective cap	780.3185.1
Boot	780.3183.1
Cover ring	780.3184.1
Sealing ring	780.3182.1
Signal board set cpl. (comprising signal board, control cable, cover ring and attachment screws)	780.3190.1

<sup>1</sup> **Note:** The passage of the sixth axis on the hollow-shaft robot must be at least 45 mm.

<sup>2</sup> Further lengths on request.

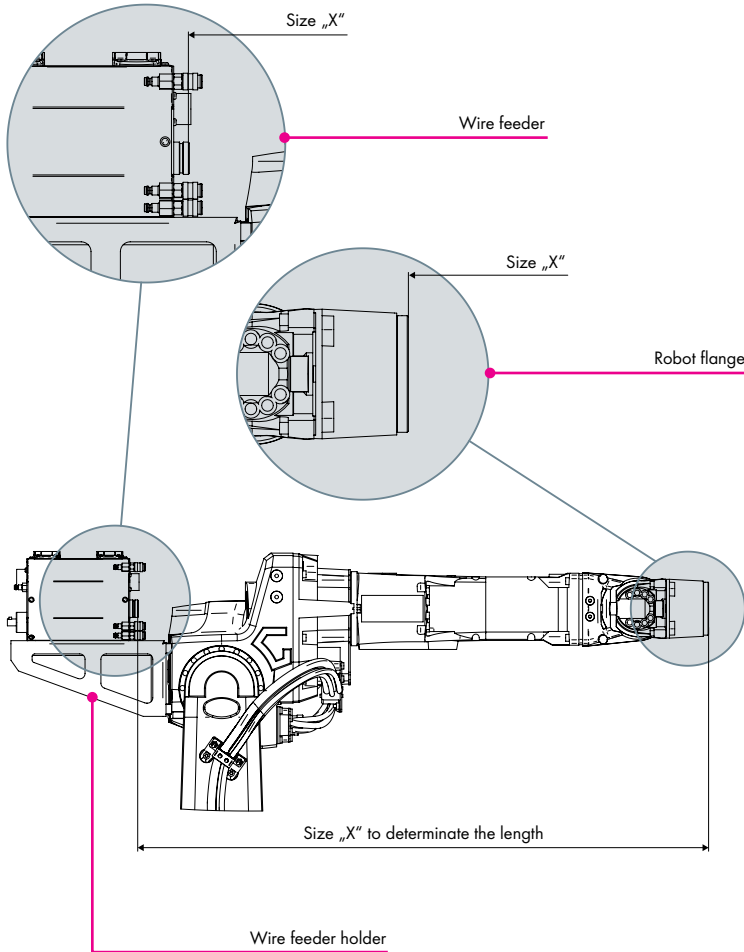
<sup>3</sup> Mixed gases M21 as per DIN EN ISO 14175

<sup>4</sup> Adapter flanges for other welding robots on request. Please indicate the robot type.

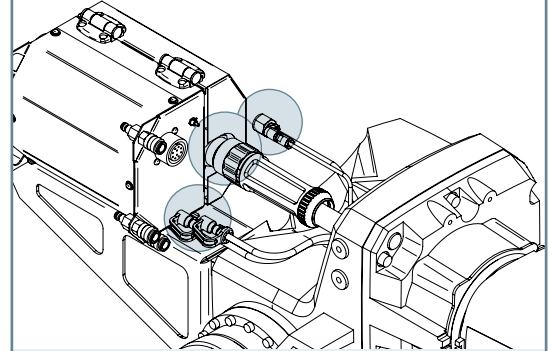
# Robot Mount "iCAT mini"

## How to order a Hollow Wrist Cable Assembly

### Length determination cable assemblies



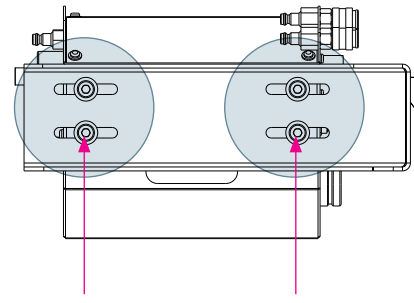
### View of machine side connection



#### Hint:

Important for the configuration of the cable assembly is the correct indication of connections such as control line connectors, connections for coolant hoses, blowing out and so on.

### View of wire feeder holder (view from below)



#### Hint:

For the length determination of the wire feeder it should be positioned in the middle of the elongate holes so that the length of the cable assembly has sufficient flexibility.

### Important information for ordering hollow wrist cable assemblies (please fill in):

#### 1. General Information:

Type and manufacturer of the robot:

---

Type and manufacturer of the wire feeder:

---

Welding torch system (e.g. ABIROB® A):

---

Control lines connector (e.g. Amphenol, open, etc. ...):

---

Size „X” cable assembly (see above)

---

#### 2. Desired additional functions:

Blowing out function

Gas nozzle sensor

Wire brake

Wire feeding button

#### 3. Other information:

---



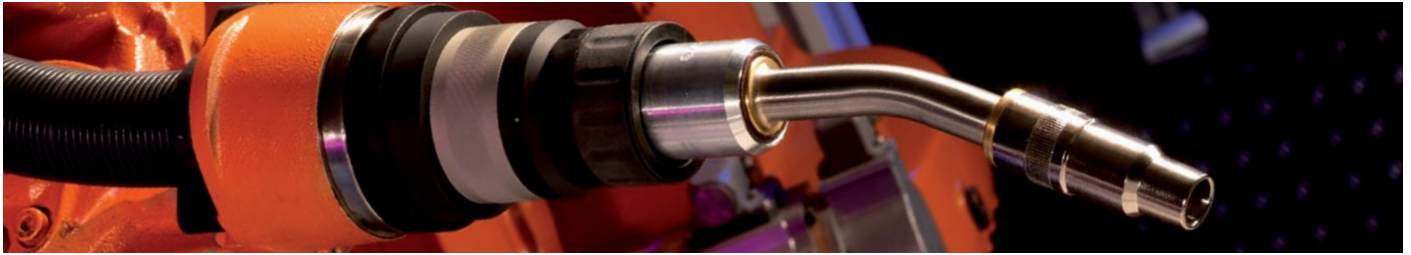
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# Robot Peripherals

## Robot Mount "iSTM"



### Sturdy and stable in a slim design ...

iSTM – the robot mount for welding robots with central media feeding through the center axis offers a high level of safety & flexibility for both air and liquid cooled welding torches.

The iSTM system can be used in connection with the tried-and-trusted ABICOR BINZEL torch necks of the torch series ABIROB® A, ABIROB® W and ABIROB® GC. The slim yet sturdy and stable design reduces servicing costs since handling and assembly are extremely easy.

The robot mount was especially developed for hollow axis robots with integrated collision software.

### Advantages that speak for themselves:

- Extremely torsion-resistant cable assembly – rotatable through 400° (+/- 200°)
- Great flexibility and optimum component access
- Maximum reliability thanks to comprehensive protection against dust and welding spatter
- **Additional feature:**  
Optional airblast function through the cable assembly

### Area of application:

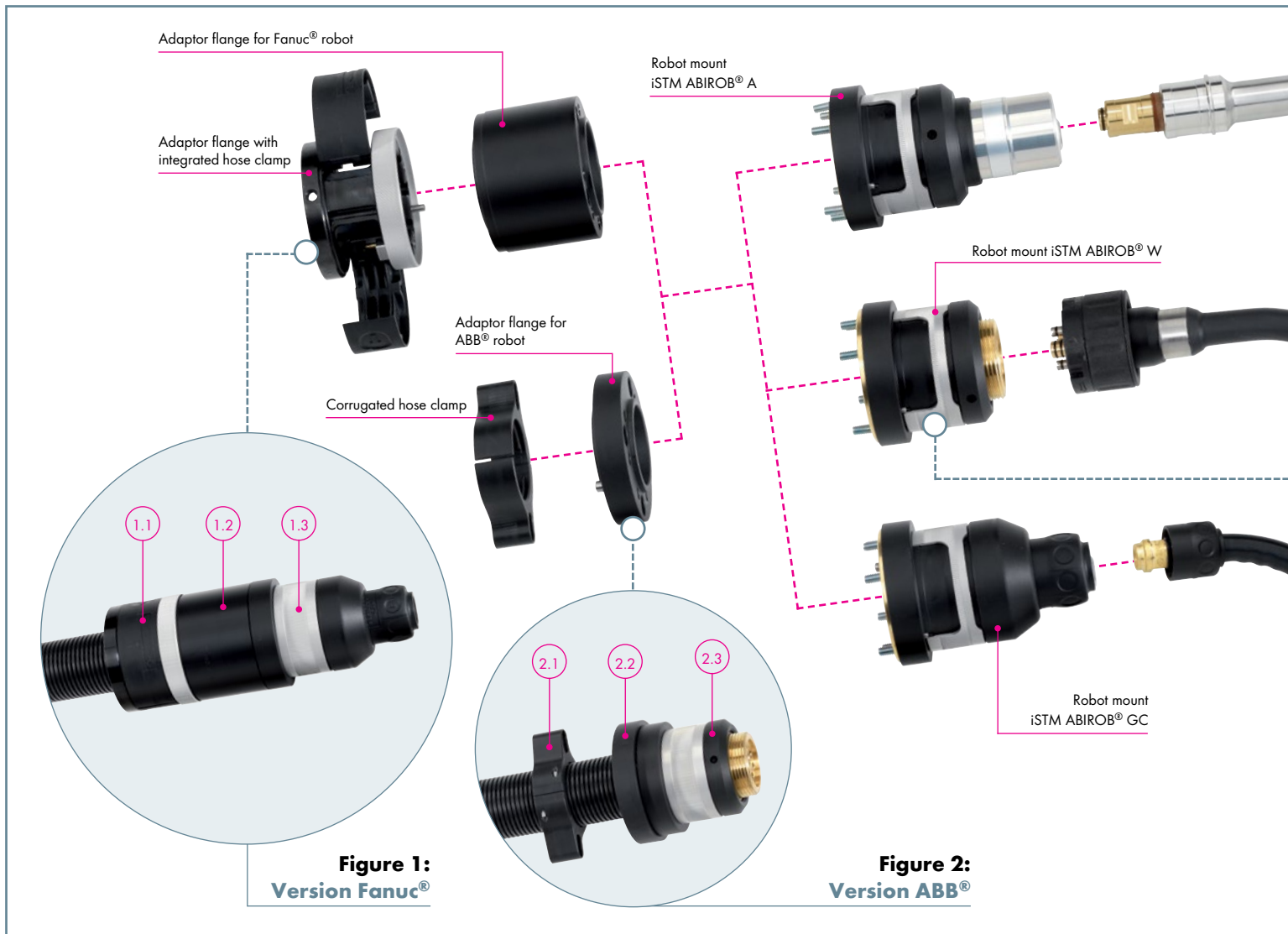


Hollow wrist robots with integrated collision software



# Robot Mount "iSTM"

## System Overview & Technical Data



**Figure 1:**  
Version Fanuc® with iSTM ABIROB® GC

- 1.1 Adaptor flange with integrated hose clamp
- 1.2 Adaptor flange for Fanuc® robot
- 1.3 Robot mount iSTM ABIROB® GC

**Figure 2:**  
Version ABB® with iSTM ABIROB® W

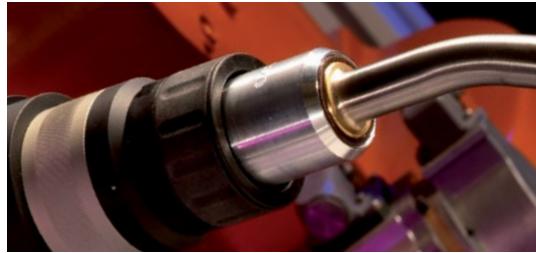
- 2.1 Corrugated hose clamp for ABB® robot
- 2.2 Adaptor flange for ABB® robot
- 2.3 Robot mount iSTM ABIROB® W





**Figure 3:**  
**iSTM open**

- 3.1 Clamping screw to hold the cable assembly in place safely
- 3.2 Control opening for checking the correct position of the cable assembly



**Technical data (EN 60 974-7):**

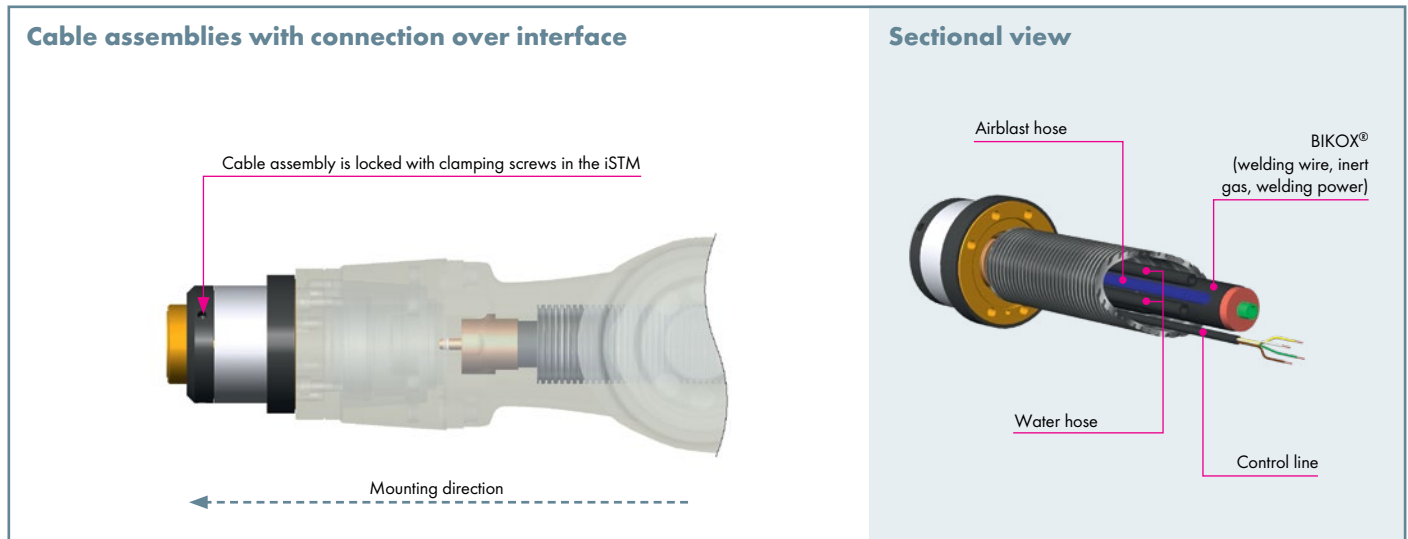
Dimensions:                      Length 109 mm  
   Ø 73 mm

Weight:

- without torch neck            approx. 900 g
- with ABIROB® A300        approx. 1200 g
- with ABIROB® A360        approx. 1200 g
- with ABIROB® A500        approx. 1200 g
- with ABIROB® W500        approx. 1500 g
- with ABIROB® 350GC        approx. 1200 g

# Robot Mount "iSTM"

## Cable Assemblies for Hollow Wrist Robots



### Cable assemblies with connection over interface

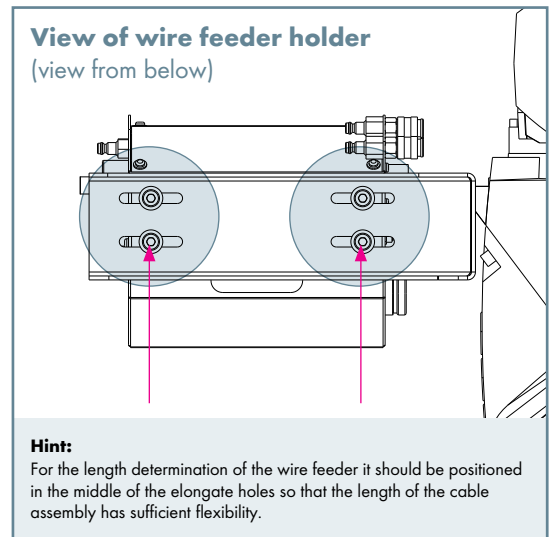
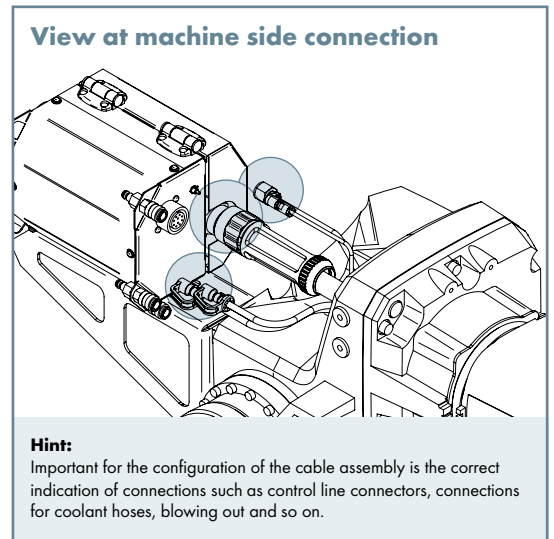
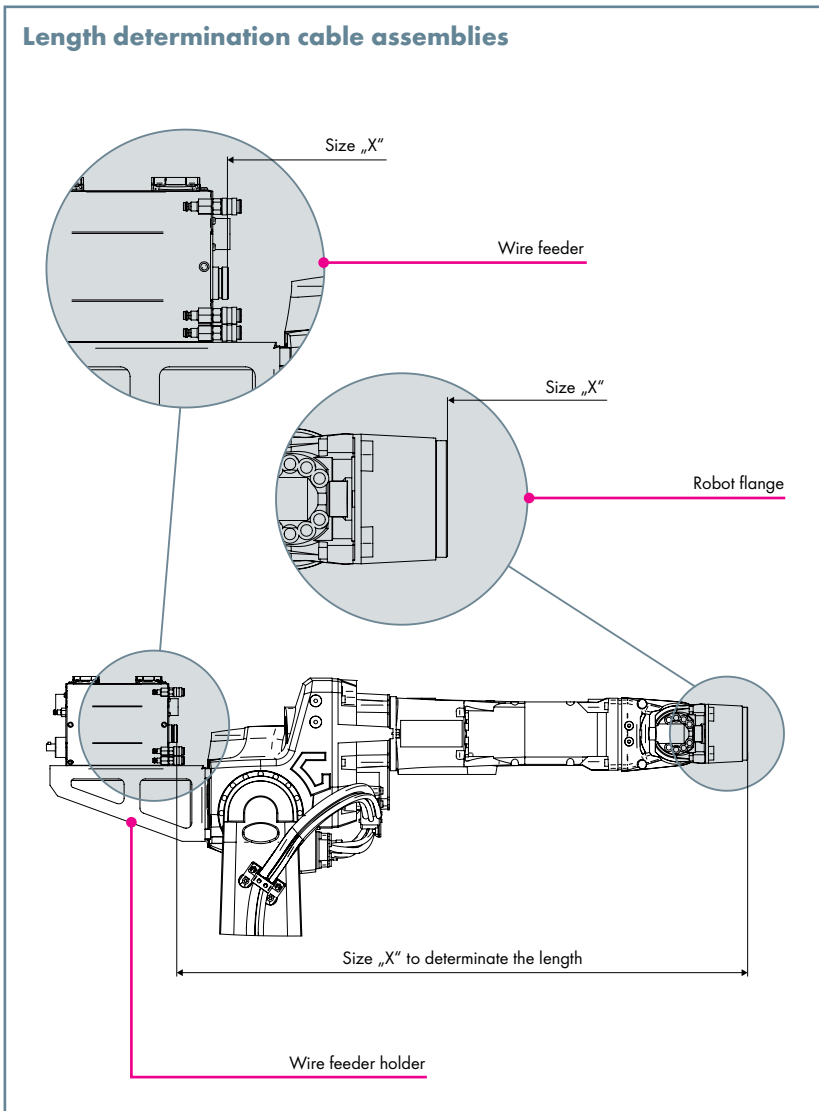
Configuration	Cooling	Rating (at 100% DC)	suitable for torch type									optionally wire brake available	
			ABIROB® A			ABIROB® W			ROBO	ROBO WH			
			300	360	500	300	500	600 <sup>2</sup>	350 GC	300	500		600 <sup>2</sup>
BIKOX®	air	360 A CO <sub>2</sub> 340 A Mixed gases <sup>1</sup>	✓	✓	✓	-	-	-	✓	-	-	-	no
BIKOX®-Hybrid assembly with central gas flow	liquid	360 A CO <sub>2</sub> 340 A Mixed gases <sup>1</sup>	-	-	-	✓	✓	-	-	✓	✓	-	no

<sup>1</sup> M21 (EN ISO 14175). **Higher performance classes achievable with the version with power water cable.**

<sup>2</sup> The robot mount iSTM in combination with ABIROB® W600 can only be used with the version with power water cable due to the decentralized gas flow.

# Robot Mount "iSTM"

## How to order a Hollow Wrist Cable Assembly



**Important information for ordering hollow wrist cable assemblies (please fill in):**

**1. General Information:**

Type and manufacturer of the robot:

---

Type and manufacturer of the wire feeder:

---

Welding torch system (e.g. ABIROB® A):

---

Control lines connector (e.g. Amphenol, open, etc. ...):

---

Size „X“ cable assembly (see above)

---

**2. Desired additional functions:**

- Blowing out function   
  Gas nozzle sensor   
  Wire brake   
  Wire feeding button

**3. Other information:**

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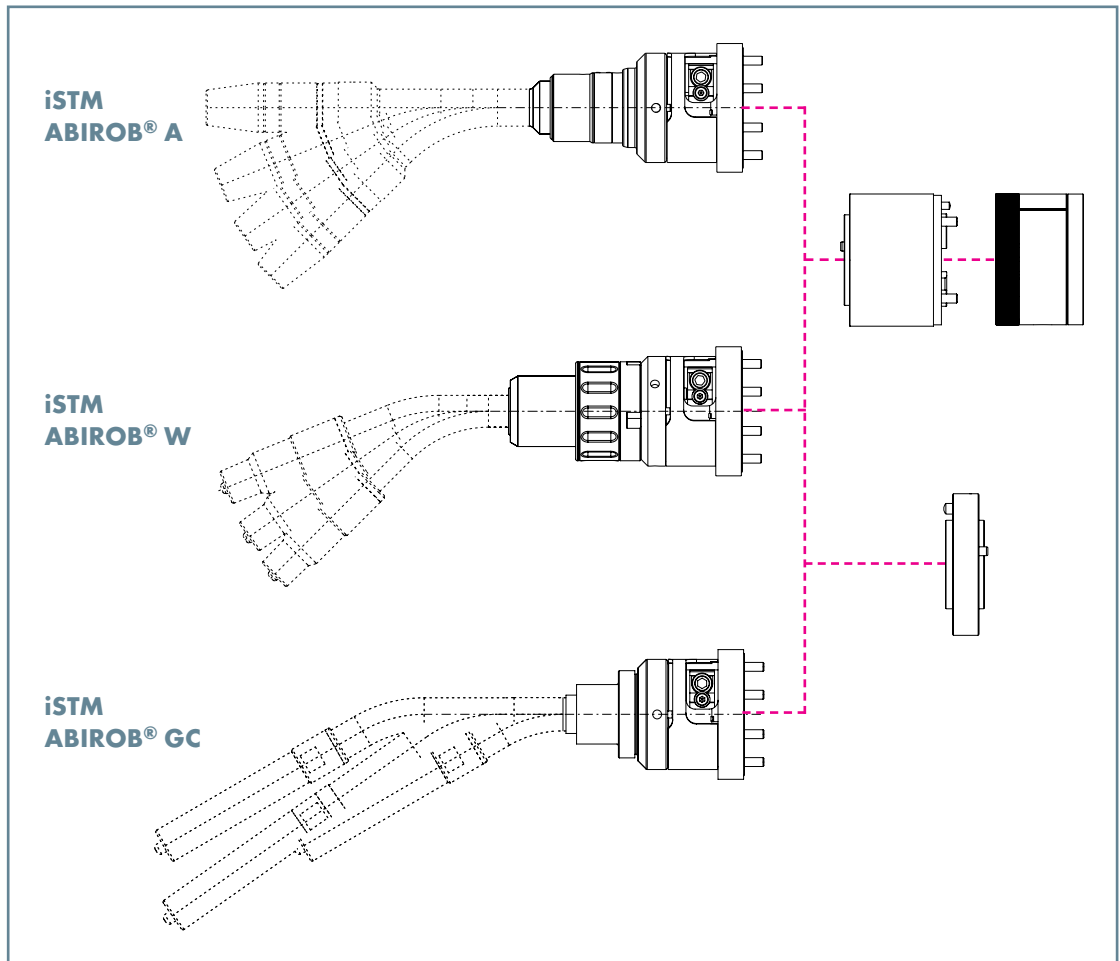


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# Robot Mount "iSTM"

## Robot Mount & Adaptor Flanges

### Robot mount iSTM



Description	Part-No.
Robot mount iSTM ABIROB® A cpl.	780.3200.1
Robot mount iSTM ABIROB® W cpl.	780.3210.1
Robot mount iSTM ABIROB® GC cpl.	780.3230.1

**Please note:** The corresponding torch necks can be found in the respective chapters from page 7.

### Adaptor flanges



Type	Description	Part-No.
1 Adaptor flange for ABB®	ABB® IRB 1600 ID	780.0678.1
2 Corrugated hose clamp	ABB® IRB 1600 ID	400.1194.1
3 Adaptor flange for Fanuc®	Fanuc® Arc Mate iC Series	780.0680.1
4 Adaptor flange with integrated hose clamp	Fanuc® Arc Mate iC Series	780.3220.1

Adaptor flanges for other welding robots on request. Please indicate the robot type.

# Robot Mount “iSTM” Liners & Accessories

## Liners

Type	for connection type <sup>1</sup>	Wire-Ø <sup>2</sup>	up to L=2.0 m
Liner steel	ABICOR BINZEL® Euro central connection	Ø 1.0-1.2	124.0145.1
Liner steel	Fronius®	Ø 1.0-1.2	124.0174
Liner steel	OTC®	Ø 1.0-1.2	124.0165
Liner steel	Panasonic®	Ø 1.0-1.2	124.0163.1

<sup>1</sup> Liners for further connection types are available on request.

<sup>2</sup> Steel wire

## Accessories

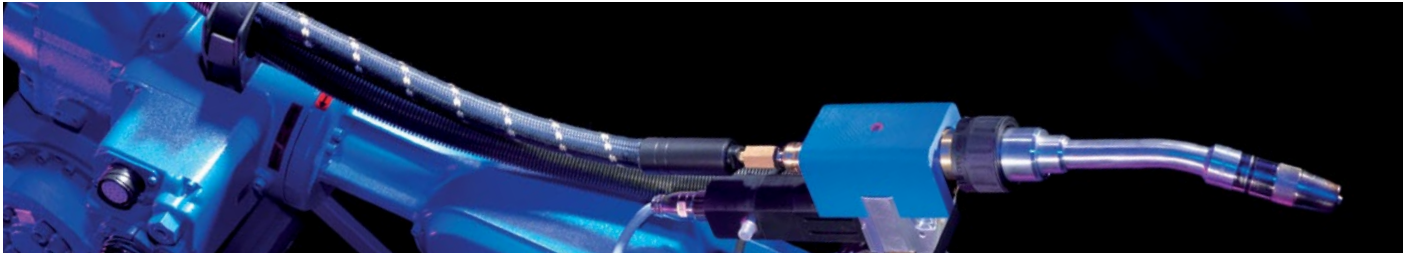


Description	Part-No.
1 Insertion aid (for straightforward cable assembly attachment)	980.2030
not ill. Protective tube (length specification required)	109.0074
not ill. Corrugated hose end piece NW36	500.0453



# Robot Peripherals

## Wire Feeder System “MasterLiner”



### Top-level wire feeding ...

The products of the MasterLiner series are setting new wire feeding standards. They are made up of individual segments, each turnable by 360°. Four small rollers in every single segment guarantee smooth wire feeding, with almost no resistance. This means – for example with laser applications – that no further wire feeders are required in addition to the master feeder, even over longer distances.

The MasterLiner system is available as MasterLiner and MasterLiner MAXI both in FLEX and HD versions. FLEX stands for flexible. This version is made up of a corrugated hose and connection system and enables a configuration of the exact required length. It can also be repaired in the field. This main advantage is saving time and money. The heavy-duty HD version is fitted with a resistant aramid-reinforced protection for extreme applications.

### Arguments that speak for themselves:

- Low friction forces
- Long life time
- Ultrasonic cleaning
- Maintenance free and the overall system is prone to little interference
- Wire feeding over long distances and by only one wire feeder
- Suitable for all welding processes with wire feeding, including laser welding and brazing
- Suitable for all types of wire
- Easy and quick assembly and exchange possible by using quick connectors

### Application area:

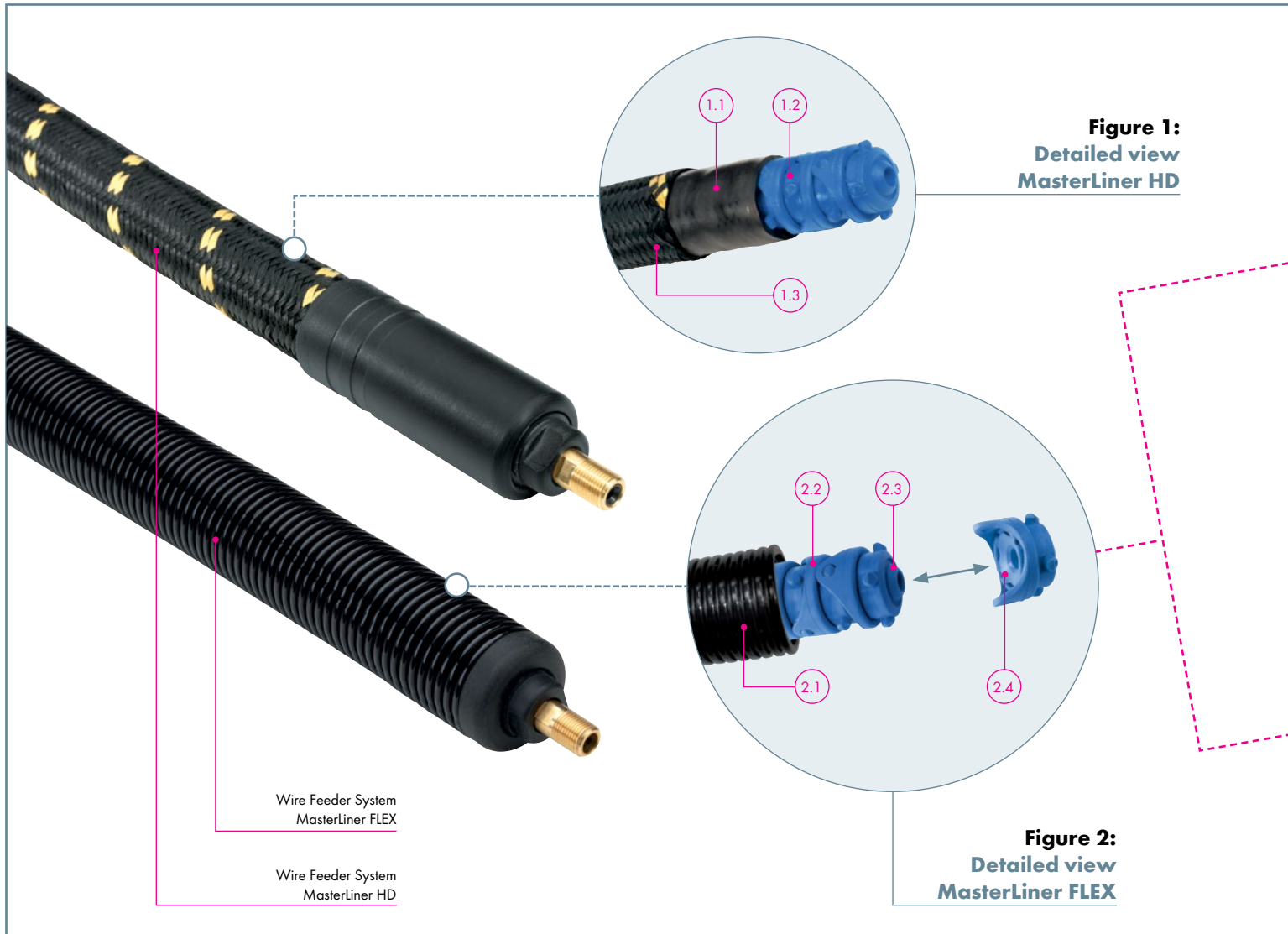


Robot controlled MIG/MAG, TIG, PLASMA and laser welding processes



# Wire Feeder System „MasterLiner HD & FLEX“

## System Overview & Technical Data



**Figure 1:**  
Detailed view MasterLiner HD

- 1.1 Inner protective sheathing made of rubber – additional protection with high flexibility
- 1.2 MasterLiner with four rollers per segment for minimal friction and extremely short distance between the individual segments
- 1.3 Aramid fibre sheath – for optimum protection against external influences – with heat- and fireresistant fibres, that are characterized by great strength, high impact strength, excellent breaking strain, good vibration damping and resistance to acids and alkalis

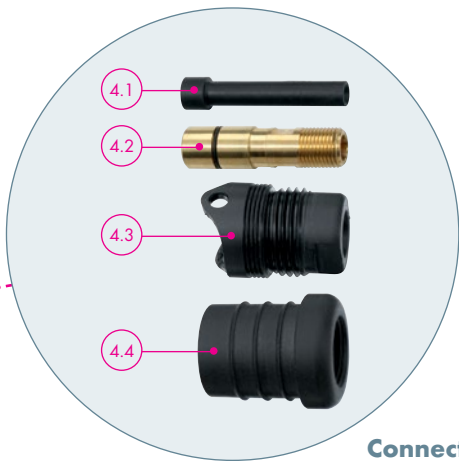
**Figure 2:**  
Detailed view MasterLiner FLEX

- 2.1 End fitting for a clean connection to the outer hose
- 2.2 MasterLiner with four rollers per segment for minimal friction and extremely short distance between the individual segments
- 2.3 Side convex (no fixed rolling direction)
- 2.4 Side concave (no fixed rolling direction)





**Figure 3:**  
Connection G 1/4"  
convex (components)



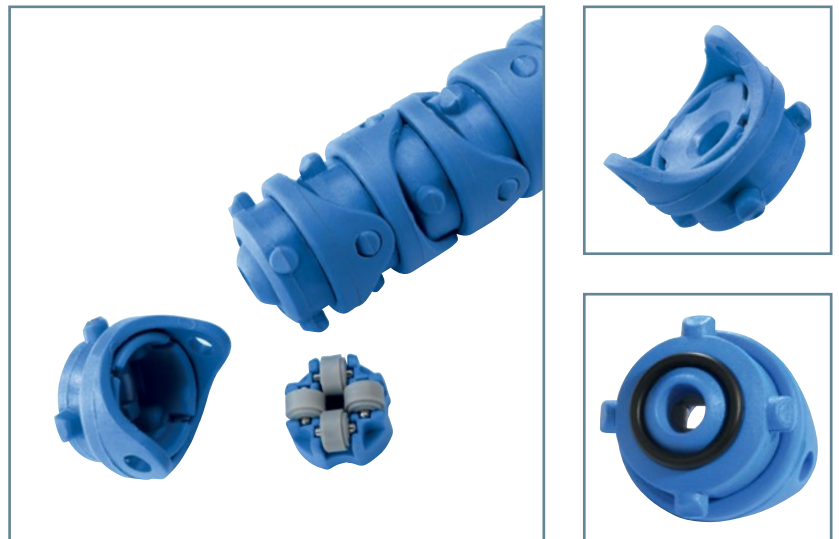
**Figure 4:**  
Connection G 1/4"  
concave (components)

**Figure 3:**  
Connector G 1/8" convex (components)

- 3.1 Long wire guide tube - easy to replace
- 3.2 Sturdy brass connection G 1/4"
- 3.3 Connection MasterLiner convex
- 3.4 End fitting for a clean connection to the outer hose

**Figure 4:**  
Connector G 1/8" concave (components)

- 4.1 Long wire guide tube - easy to replace
- 4.2 Sturdy brass connection G 1/4"
- 4.3 Connection MasterLiner concave
- 4.4 End fitting for a clean connection to the outer hose



**Technical Data:**

**MasterLiner HD:**

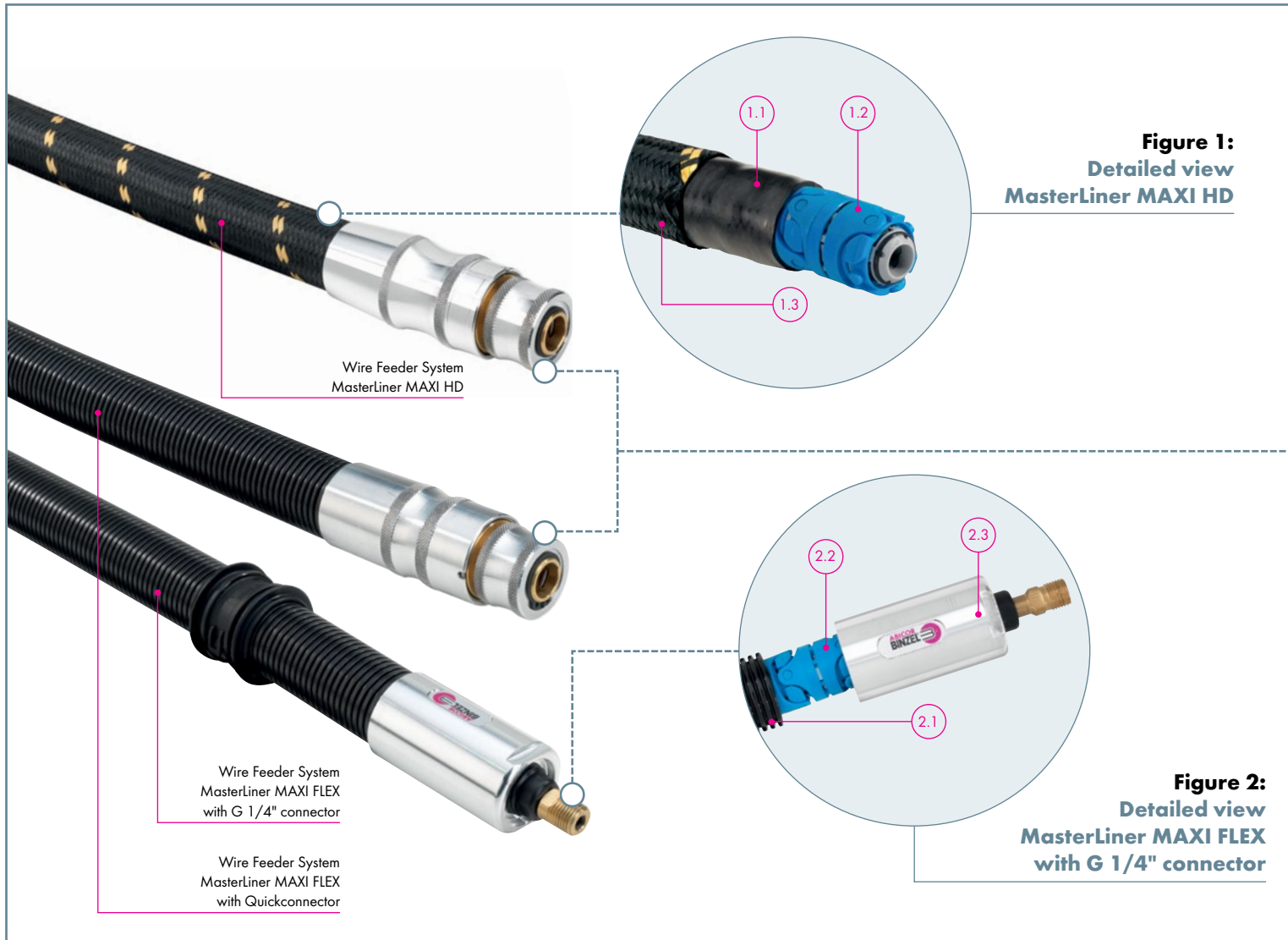
Outer Ø:	30.0 mm
Wire Ø:	max. 1.2 mm
Weight:	approx. 400 g/m (without connections, with aramid coating)
Recommended length (max.):	25.0 m
Bend radius (min.):	150 mm
Flexibility/tensile strength:	1.500 N
Connection:	G 1/4" and G 1/8" <sup>1</sup>

**MasterLiner FLEX:**

Outer Ø:	22.0 mm (without outer hose) 34.0 mm (with outer hose)
Wire Ø:	max. 1.2 mm
Weight:	approx. 250 g/m (without outer hose) approx. 400 g/m (with outer hose)
Recommended length (max.):	25.0 m
Bend radius (min.):	150 mm
Flexibility/tensile strength:	600 N
Connection:	G 1/4" and G 1/8" <sup>1</sup>

<sup>1</sup> Two adapters for G 1/8" are included as standard.

# Wire Feeder System „MasterLiner MAXI HD & FLEX“ System Overview & Technical Data

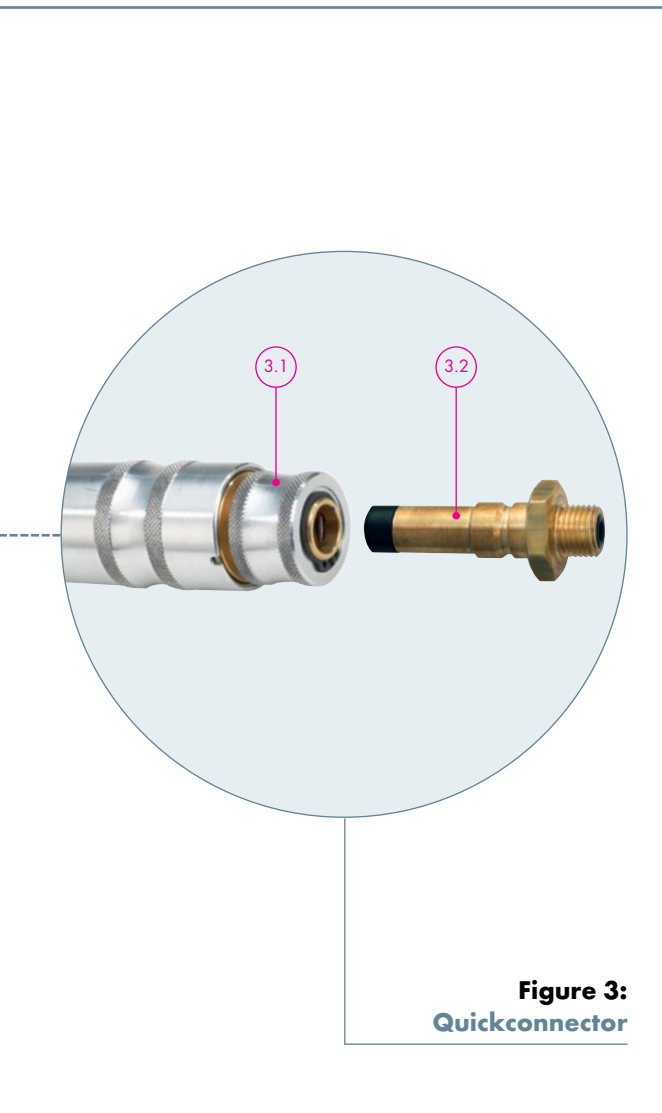


**Figure 1:**  
Detailed view MasterLiner MAXI HD

- 1.1 Inner protective sheathing made of rubber – additional protection with high flexibility
- 1.2 MasterLiner with four rollers per segment for minimal friction and extremely short distance between the individual segments
- 1.3 Aramid fibre sheath for optimum protection against external influences

**Figure 2:**  
Detailed view MasterLiner MAXI FLEX with G 1/4" connector

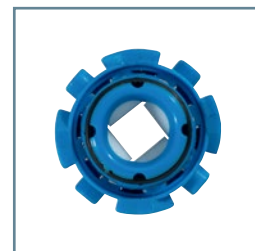
- 2.1 Outer hose for optimum protection coupled with high flexibility; can be cut to size as required
- 2.2 MasterLiner with four rollers per segment for minimal friction and extremely short distance between the individual segments
- 2.3 Connector G 1/4"



**Figure 3:**  
**Quickconnector**

**Figure 3:**  
**Detailed view Quickconnector**

- 3.1 Quickconnector for MasterLiner MAXI FLEX & HD for fast tool-free assembly and disassembly via spring-loaded locking mechanism that can be saved by turning the outer sleeve against accidental pulling
- 3.2 Connector G 1/4" for Quickconnector



**Technical Data:**

**MasterLiner MAXI HD:**

Outer Ø:	32.0 mm
Wire Ø:	1.2 mm bis 4.0 mm
Weight:	approx. 540 g/m (without connections, with aramid coating)
Recommended length (max.):	30.0 m
Bend radius (min.):	150 mm
Flexibility/tensile strength:	1.500 N
Connection:	Quickconnector

**MasterLiner MAXI FLEX:**

Outer Ø:	27.0 mm (without outer hose) 34.0 mm (with outer hose)
Wire Ø:	1.2 mm bis 4.0 mm
Weight:	approx. 460 g/m (without outer hose) approx. 610 g/m (with outer hose)
Recommended length (max.):	30.0 m
Bend radius (min.):	150 mm
Flexibility/tensile strength:	600 N
Connection:	G 1/4" or Quickconnector

# Wire Feeder System "MasterLiner" Complete Set



## 1. Complete Set MasterLiner HD

**Connection:**  
G 1/4"

### Properties

Feeding of wire sizes up to 1.2 mm and aramid-reinforced protection for extreme applications



## 2. Complete set MasterLiner FLEX

**Connection:**  
G 1/4"

### Properties

Feeding of wire sizes up to 1.2 mm and easy assembling of the required length and also repairing directly in the field



## 3. Complete set MasterLiner MAXI HD

**Connection:**  
Quickconnector

### Properties

Feeding of wire sizes from 1.2 mm and comfortable Quickconnector



## 4. Complete set MasterLiner MAXI FLEX

**Connection:**  
G 1/4" or Quickconnector

### Properties

Individual and easy to configure with two different connections for selection and feeding of wire sizes from 1.2 mm to 4.0 mm

### 1. Complete set MasterLiner HD

Type	Length <sup>1</sup>	Part-No.
MasterLiner HD cpl. with connector G 1/4" / G 1/8" <sup>2</sup>	5.0 m	155.0251.1
	6.0 m	155.0252.1
	8.0 m	155.0254.1
	10.0 m	155.0255.1

### 2. Complete set MasterLiner FLEX

MasterLiner FLEX cpl. with connector G 1/4" / G 1/8" <sup>2</sup>	5.0 m	155.0244.1
	6.0 m	155.0245.1
	8.0 m	155.0247.1
	10.0 m	155.0248.1

### 3. Complete set MasterLiner MAXI HD

MasterLiner MAXI HD cpl. with Quickconnector	5.0 m	155.0184.1
	6.0 m	155.0185.1
	8.0 m	155.0187.1
	10.0 m	155.0189.1

### 4. Complete set MasterLiner MAXI FLEX

MasterLiner MAXI FLEX cpl. with connector G 1/4"	5.0 m	155.0154.1
	6.0 m	155.0155.1
	8.0 m	155.0156.1
	10.0 m	155.0157.1
MasterLiner MAXI FLEX cpl. with Quickconnector	5.0 m	155.0197.1
	6.0 m	155.0198.1
	8.0 m	155.0199.1
	10.0 m	155.0200.1

<sup>1</sup> Further lengths on request.

<sup>2</sup> Two adapters for G 1/8" are included as standard.

# Wire Feeder System "MasterLiner"

## Components for individual configuration

Components for an individual configuration of the MasterLiner system



### Components MasterLiner HD<sup>1</sup>

No.	Type	Part-No.
1	End fitting for MasterLiner HD	155.0092.1
n/s	Adaptor G 1/4" IG-G 1/8" AG	155.0286.2

### Components MasterLiner FLEX

2	MasterLiner basic (50 m container) <sup>2</sup>	155.0096.50
3	Connector convex	155.0091.1
4	Connector concave	155.0095.1
5	Wire guide tube convex	155.0087.1
6	Wire guide tube concave	155.0088.1
7	End cap for outer hose	155.0090.1
8	Outer hose (50 m container)	109.0076
n/s	Adaptor G 1/4" IG-G 1/8" AG	155.0286.2
n/s	Hook-and-loop tape, blue, 1 m	191.0128.1

### Components MasterLiner MAXI FLEX

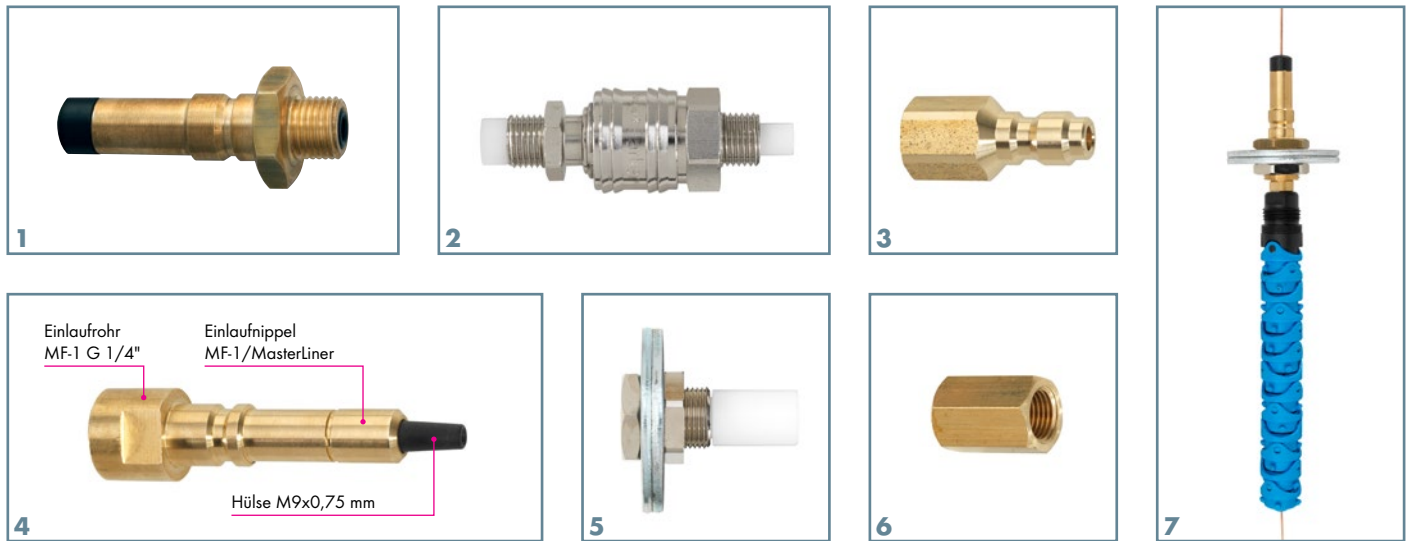
8	Outer hose (50 m container)	109.0076
9	MasterLiner MAXI basic (50 m container) <sup>2</sup>	155.0141.50
10	Connector G 1/4" cpl.	155.0147.1
11	Quickconnector cpl.	155.0195.1

<sup>1</sup> The variants of MasterLiner HD are only available in prefabricated lengths.

<sup>2</sup> Further lengths on request.

# Wire Feeder System "MasterLiner"

## Connections



### Connection MasterLiner ↔ wire feeder

No.	Description	Part-No.
1	Connection G 1/4" for Quickconnector	155.0167.1
n/s	Connection 11.5 mm (suitable e. g. for EWM®)	783.5208.1
	Connection 12.2 mm (suitable e. g. for Lincoln®)	155.0084.1
	Connection 13.0 mm (suitable e. g. for Fronius®)	783.5209.1
2	Quick coupling G 1/4" cpl.	783.5207.1
3	Adaptor G 1/4" auf Quickconnector (suitable e. g. for Fronius® or Parker®)	155.0159.1
n/s	Wire inlet MasterLiner to MF-1	783.5222.1

### Connection MasterLiner ↔ Masterfeeder MF-1

4	Inlet tube MF-1 G 1/4"	155.0160.1
n/s	Inlet nipple MF-1/MasterLiner	131.0035.1
	Sleeve M9x0.75 mm (for inlet tube MF-1)	881.1096.1

### Connection MasterLiner FLEX/MAXI FLEX ↔ Dome connector

n/s	Dome connector PG29 <sup>1</sup>	155.0103.1
	Nut PG29	155.0106.1

### Connection MasterLiner ↔ Dome connector with quick coupling

5	Dome connector G 1/4"	783.5205.1
2	Quick coupling G 1/4" cpl.	783.5207.1
6	Adaptor MasterLiner G 1/8" to G 1/4"	783.5233.1
	Adaptor MasterLiner MAXI G 1/4" to G 1/4"	155.0162.1

### Connection MasterLiner MAXI with Quickconnector ↔ Dome connector

7	MasterLiner MAXI HD/FLEX dome connector cpl.	155.0171.1
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<sup>1</sup> Only for MasterLiner HD – clamp with rubber directly on the outer aramid fabric.

# Wire Feeder System "MasterLiner" Accessories

## Wire end sensor

The wire-end sensor – positioned between the wire drum and the wire feeder hose (e.g. MasterLiner) – signals an upcoming end of the wire in the wire drum. Due to a simple and non-contact detection of the wire-end and clear LED-display the replacement of the wire drum can be carried out timely. The intensity of the sensibility can be continuously adjusted by potentiometer and guarantees easy handling.

### Technical Data:

Ring diameter: Ø 5 mm  
 Supply voltage: 10–30 volt  
 Current carrying capacity: max. 200 mA  
 Current consumption: < 15 mA 24 V DC  
 Temperature range: -20 to +60°C  
 Protection class: IP 65  
 Connector: H (M12)



### Type

Wire end sensor with LED signal  
 Control cable

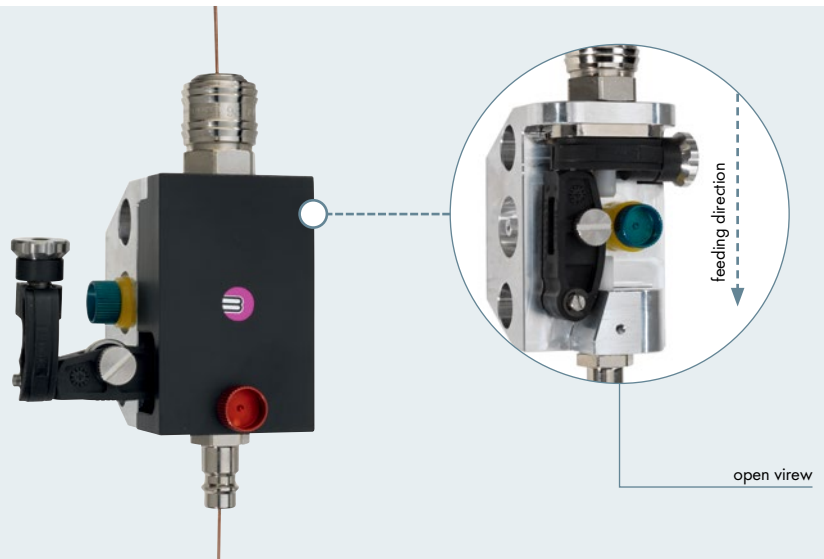
### Part-No.

881.3225.1  
 101.0168.1

## Wire inching tool

The wire inching tool allows that the wire can be threaded quickly and easy from the wire drum into the wire feeder hose directly. Manual and time-consuming threading is no longer necessary. Recommended especially for longer distances.

With the connectors a quick and easy integration into the respective wire-feeding-system is possible. The threading device must remain in the wire feeding system after threading with open counter pressure roller.



### Type

Wire inching tool

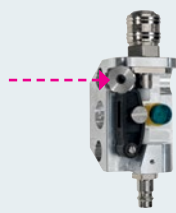
### Part-No.

881.3238.1

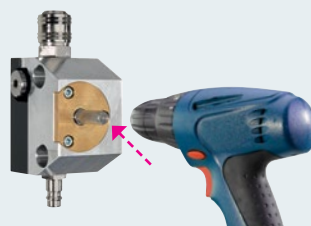
## Manual



**Step 1:**  
Thread wire



**Step 2:**  
Set contact pressure



**Step 3:**  
Feeding the wire by  
electric screwdriver



**Step 4:**  
Remove drive roll  
and fix outside

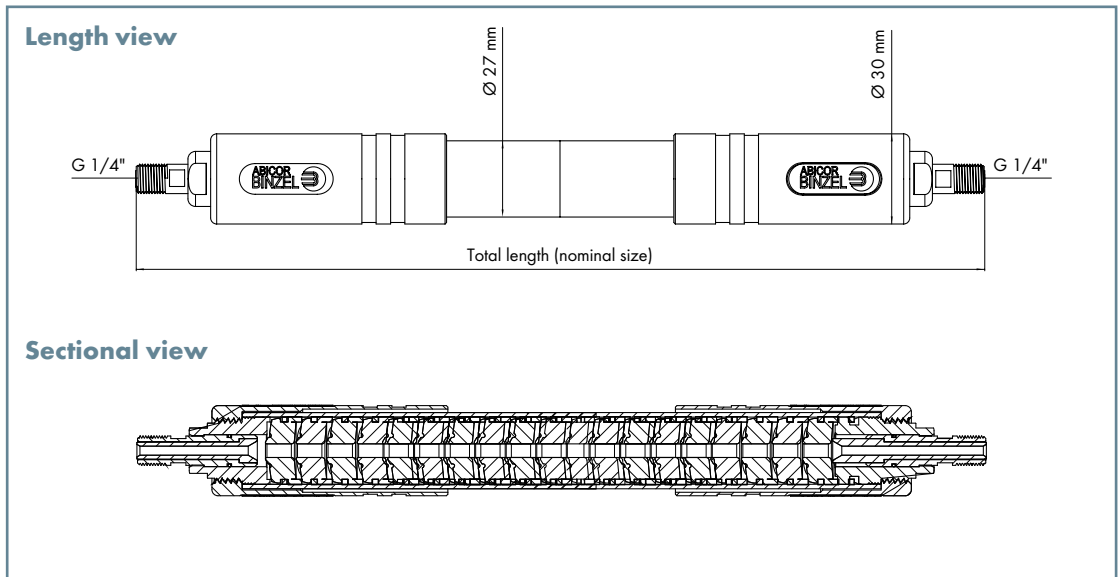


**Step 5:**  
Fix rocker with  
housing cover

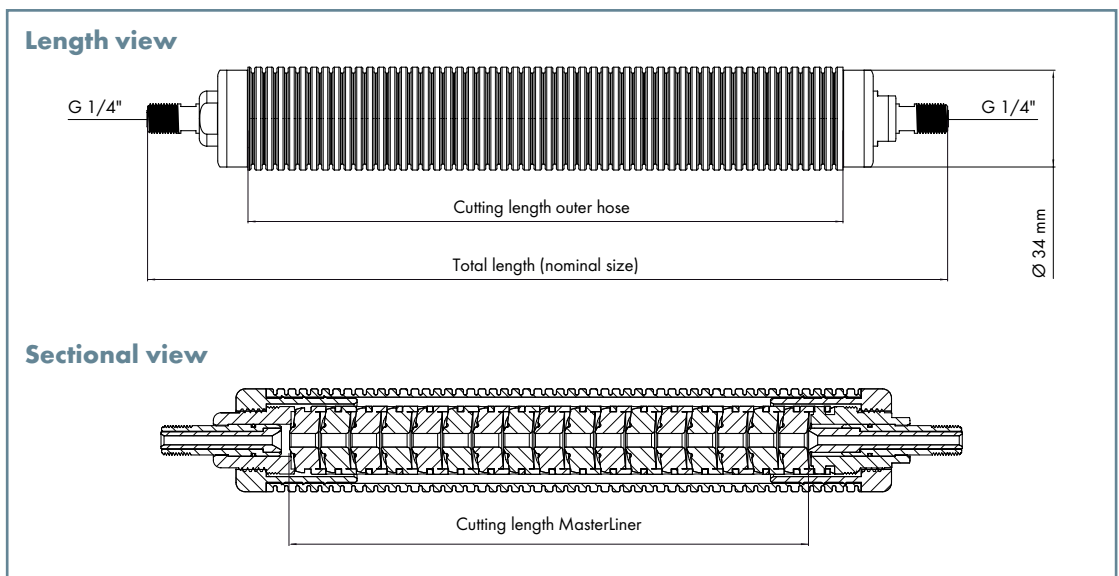
# Wire Feeder System "MasterLiner"

## Length and sectional views

Wire Feeder System  
MasterLiner HD  
with Connector  
G 1/4"



Wire Feeder System  
MasterLiner FLEX  
with Connector  
G 1/4"

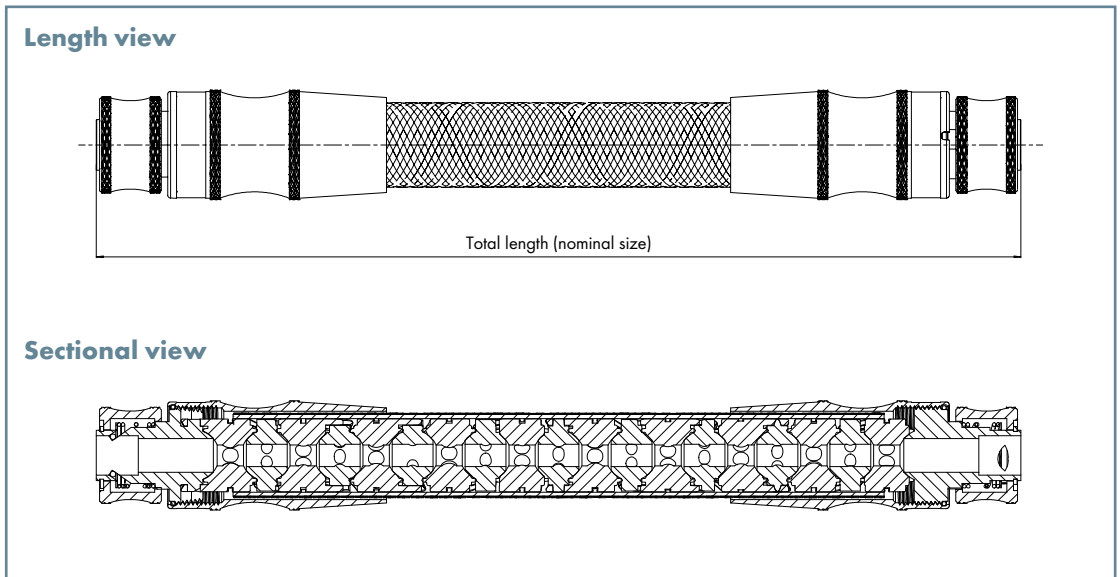




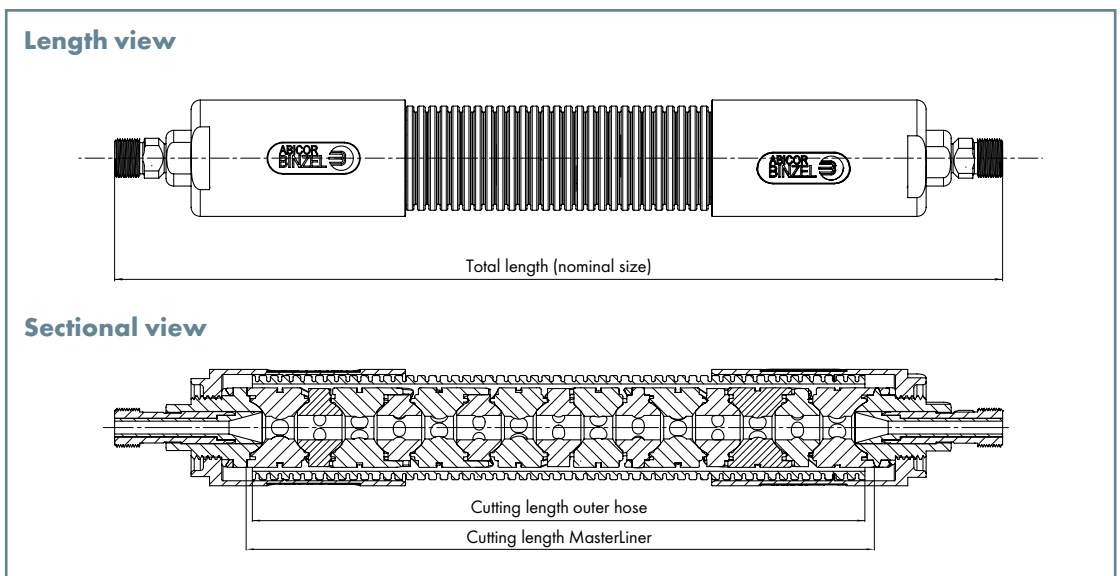
# Wire Feeder System „MasterLiner MAXI“

## Length and sectional views

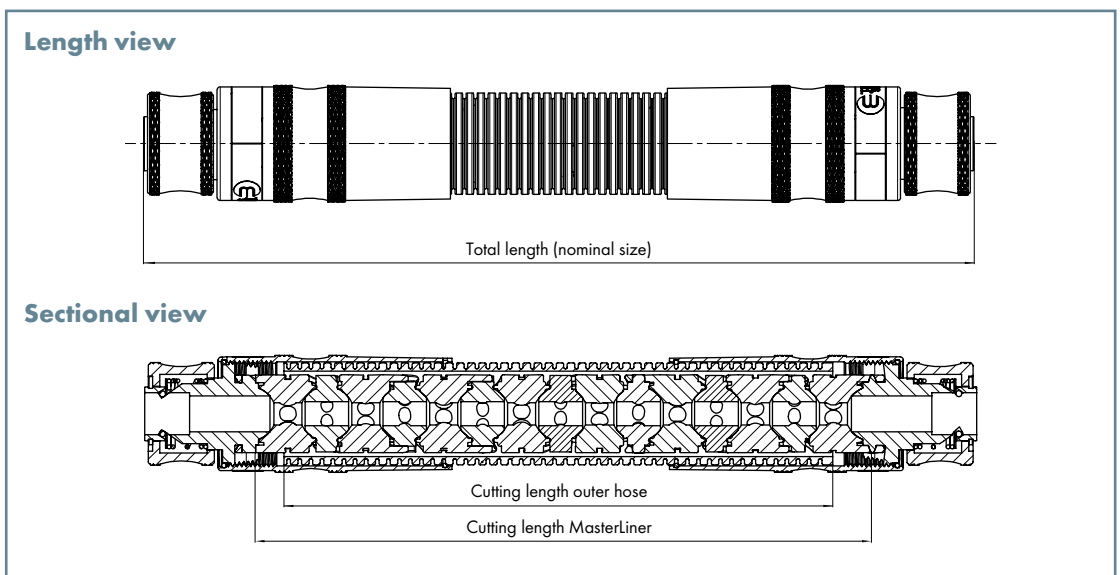
Wire Feeder System  
MasterLiner MAXI  
HD with Quickcon-  
nector



Wire Feeder System  
MasterLiner MAXI  
FLEX with Connec-  
tor G 1/4"



Wire Feeder System  
MasterLiner MAXI  
FLEX with Quick-  
connector





# Robot Peripherals

## Torch Cleaning Station "BRS"



### Connect & Clean ...

ABICOR BINZEL torch cleaning stations – the complete solution for reliable automatic servicing of torch heads. Quick and easy to install, just "Connect & Clean ...", the compact torch cleaning stations BRS stand for top reliability. Combined in a single station, no less than three systems guarantee optimally timed processes and an increase in plant availability. Many further features such as mounting stand and drip pan reduce installation costs.

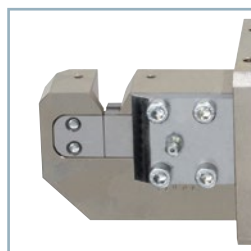
### Arguments that speak for themselves:

- Precise and effective cleaning for almost all robot welding torches
- Tried-and-trusted cutter principle, suitable even for heavy spatter adhesion
- Precise clamping of the gas nozzle fixes the torch in place during the cleaning process

### Application area:

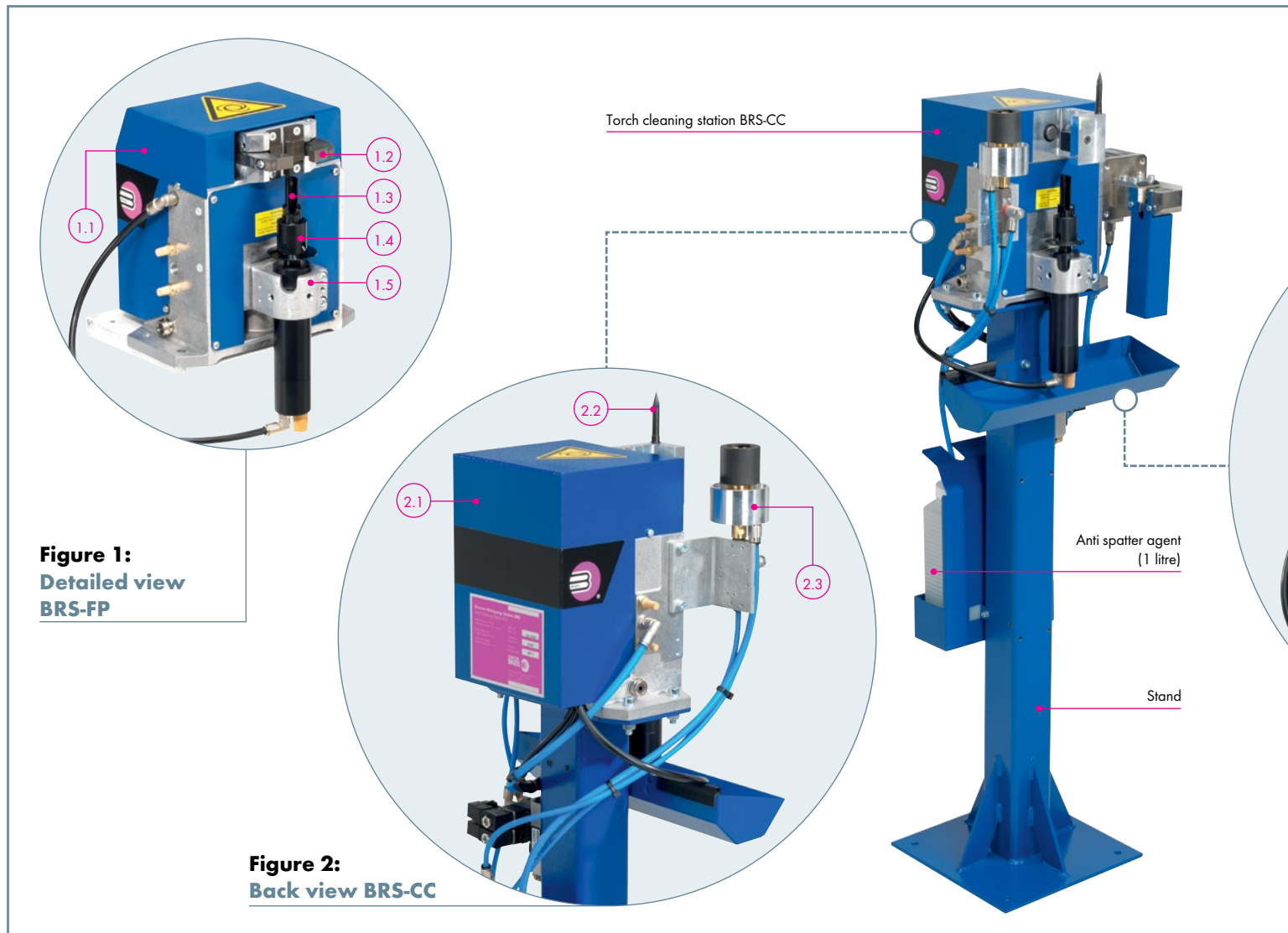


MIG/MAG welding torches for all common torch brands



# Torch Cleaning Station "BRS"

## System Overview & Technical Data



**Figure 1:**  
Detailed view  
BRS-FP

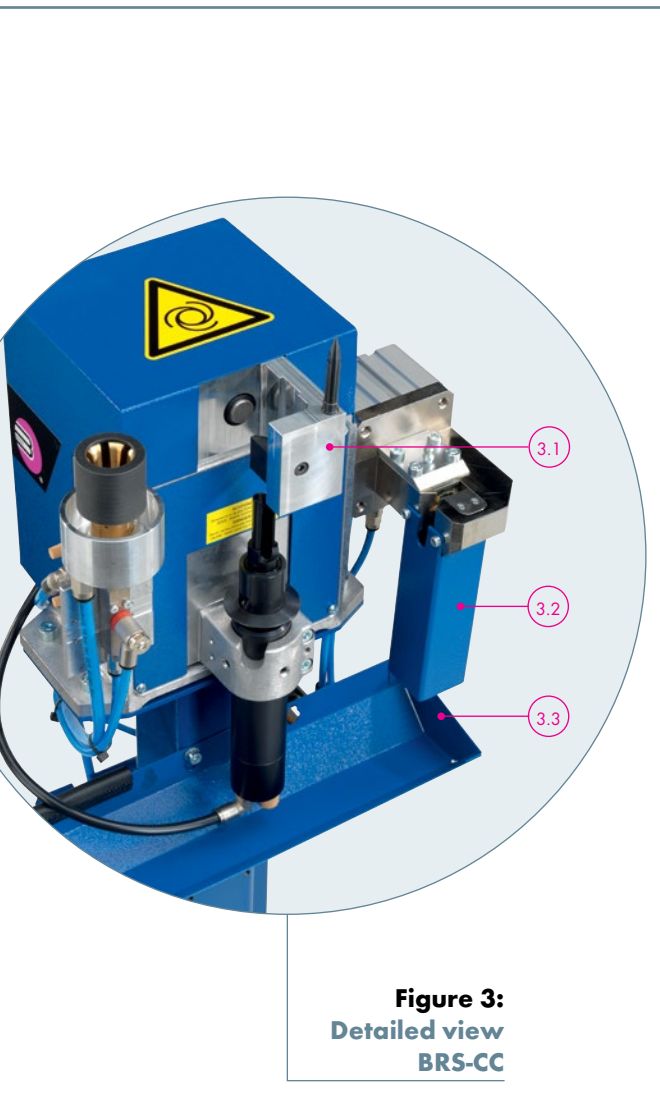
**Figure 2:**  
Back view BRS-CC

**Figure 1:**  
Detailed view BRS-FP

- 1.1 PCB (inside)  
for programmed work processes
- 1.2 Clamping brackets
- 1.3 Reamers for different torch makes
- 1.4 Reamer fitting, interchangeable
- 1.5 Guide block, stroke 50 mm

**Figure 2:**  
Back view BRS-CC

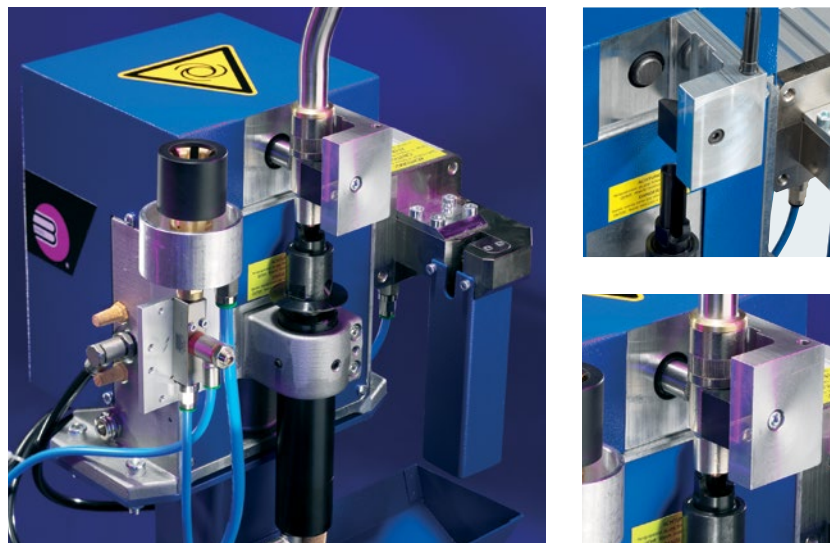
- 2.1 Cover
- 2.2 Test/TCP tip
- 2.3 Injector for the direct economical spraying of  
anti-spatter agent reduces spatter adhesion  
and extends servicing intervals



**Figure 3:**  
Detailed view  
BRS-CC

**Figure 3:**  
Detailed view BRS-CC

- 3.1 Prism for different torch/gas nozzle types
- 3.2 Wire cutting fixture "DAV" for a constant free wire end and better arc-start/touch sensing performance properties
- 3.3 Drip and wire cutting collection pan



#### Technical data:

##### General data

Total weight:	approx. 16 kg (incl. TMS-VI and DAV)
Ambient temperature:	+ 5°C to + 50°C
Air consumption:	approx. 380 l/min.
Pneumatic motor (Nominal speed):	– with lubricated air: approx. 650 rpm – with non-lubricated air: approx. 550 rpm

##### Pneumatic connection – manifold block

Compressed air supply:	G 1/4
Clear width:	min. Ø 6 mm
Nominal pressure:	6 bar
Operating pressure:	6–8 bar

##### Electrics – terminal block

Control:	4 inputs for triggering the 5/2 directional control valves
Control voltage:	24 V DC
Power consumption:	4.5 W
Output:	1 output from inductive proximity switch (pnp)
Operating voltage:	10 – 30 V DC
Tolerated residual ripple:	V <sub>ss</sub> < 10%
Continuous current:	max. 200 mA
Current consumption:	approx. 4 mA (24 V)
Drop in voltage:	approx. 1.2 V (200 mA)

##### Front injector "TMS-Vi"

Capacity of the bottle:	1 litre
-------------------------	---------

##### Wire cutting fixture "DAV"

Cutting rate at 6 bar:	– Solid wire: up to 1.6 mm – Flux cored wire: up to 3.2 mm
Cutting time:	0.5 sec.

# Torch Cleaning Station "BRS"

## Order Summary

Torch cleaning station "BRS"



No.	Type	Description	Part-No.
1	BRS-CC cpl.	with DAV / with stand	831.0490.1
	BRS-CC	without DAV / with stand	831.0550
	BRS-CC	with DAV / without stand	831.0580.1
	BRS-CC	standard (without accessories)	831.0570
2	BRS-LC	standard (without accessories)	831.0300
3	BRS-FP	standard (without accessories)	831.0260.1

# Torch Cleaning Station "BRS"

## Cutters & Clamping Prisms

### Torch series ABIROB® 350 GC

Torch type	with gas nozzle	Outer-Ø (mm)	NW (mm)	Length (mm)	with contact tip		Clamping prism Part-No.	Cutter Part-No.
	Type				Size			
ABIROB® 350GC	145.0557	20.0	15.5	89.5	M6	Ø 8	831.0313	831.0491.1
	145.0558	20.0	12.0	89.5	M6	Ø 8	831.0313	831.0555.1
	145.0573	20.0	13.0	89.5	M6	Ø 8	831.0313	831.0420.1

### Torch series ABIROB® A

ABIROB® A300	145.0671.5	22.0	14.4	36.0	M6	Ø 8	831.0371	831.0709.1	
ABIROB® A360	145.0599	22.0	12.0	68.0	M6	Ø 8	831.0371	831.0604.1	
	145.0600	22.0	12.0	70.0	M6	Ø 8	831.0371	831.0604.1	
	145.0601	22.0	12.0	65.0	M6	Ø 8	831.0371	831.0604.1	
	145.0595	22.0	14.0	68.0	M6	Ø 8	831.0371	831.0592.1	
	145.0596	22.0	14.0	70.0	M6	Ø 8	831.0371	831.0618.1	
	145.0597	22.0	14.0	65.0	M6	Ø 8	831.0371	831.0593.1	
	145.0618	22.0	14.0	68.0	M6	Ø 8	831.0371	831.0592.1	
	145.0619	22.0	14.0	65.0	M6	Ø 8	831.0371	831.0593.1	
	145.0592	22.0	16.0	68.0	M6	Ø 8	831.0371	831.0487.1	
	145.0593	22.0	16.0	70.0	M6	Ø 8	831.0371	831.0487.1	
	145.0594	22.0	16.0	65.0	M6	Ø 8	831.0371	831.0589.1	
	ABIROB® A500	145.0589	28.0	13.0	75.0	M6	Ø 8	831.0318	831.0180.1
		145.0590	28.0	13.0	77.0	M6	Ø 8	831.0318	831.0180.1
		145.0591	28.0	13.0	72.0	M6	Ø 8	831.0318	831.0169.1
145.0586		28.0	14.0	75.0	M6	Ø 8	831.0318	831.0592.1	
145.0587		28.0	14.0	77.0	M6	Ø 8	831.0318	831.0618.1	
145.0588		28.0	14.0	72.0	M6	Ø 8	831.0318	831.0593.1	
145.0580		28.0	16.0	75.0	M8	Ø 10	831.0318	831.0488.1	
145.0581		28.0	16.0	77.0	M8	Ø 10	831.0318	831.0488.1	
145.0582		28.0	16.0	72.0	M8	Ø 10	831.0318	831.0591.1	
145.0583		28.0	16.0	75.0	M8	Ø 10	831.0318	831.0488.1	
145.0584	28.0	16.0	77.0	M8	Ø 10	831.0318	831.0488.1		
145.0585	28.0	16.0	72.0	M6	Ø 8	831.0318	831.0591.1		

### Torch series ABIROB® W

ABIROB® W300	145.0495	25.0	13.0	44.5	M6	Ø 8	831.0316	831.0169.1
	145.0564	25.0	13.0	48.5	M6	Ø 8	831.0316	831.0180.1
	145.0494	25.0	15.5	44.5	M6	Ø 8	831.0316	831.0576.1
ABIROB® W500	145.0479	25.0	13.0	75.5	M8	Ø 10	831.0316	831.0368.1
	145.0556	25.0	13.0	77.5	M8	Ø 10	831.0316	831.0368.1
	145.0466	25.0	15.5	72.0	M8	Ø 10	831.0316	831.0216.1
	145.0568	25.0	15.5	72.5	M8	Ø 10	831.0316	831.0216.1
	145.0553	25.0	15.5	75.5	M8	Ø 10	831.0316	831.0023.1
	145.0544	25.0	15.5	75.5	M8	Ø 10	831.0316	831.0023.1
	145.0480	25.0	15.5	77.0	M8	Ø 10	831.0316	831.0023.1
ABIROB® W600	145.0689.5	30,0	18.0	92.0	M12	Ø 12	831.0319	831.0162.1
	145.0686.5	30,0	21.5	92.0	M12	Ø 12	831.0319	831.0746.1
	145.0687.5	30,0	21.5	86.0	M12	Ø 12	831.0319	831.0763.1
	145.0688.5	30,0	21.5	95.0	M12	Ø 12	831.0319	831.0764.1

# Torch Cleaning Station "BRS"

## Cutters & Clamping Prisms

### Torch series ROBO Standard

Torch type	with gas nozzle	Outer-Ø (mm)	NW (mm)	Length (mm)	with contact tip		Clamping prism Part-No.	Cutter Part-No.
	Type				Type	Size		
ROBO 455D	145.0134	25.0	13.0	67.5	M8	Ø 10	831.0316	831.0413.1
	145.0106	25.0	15.5	64.5	M8	Ø 10	831.0316	831.0216.1
	145.0089	25.0	15.5	67.5	M8	Ø 10	831.0316	831.0023.1
	145.0164	25.0	15.5	67.5	M8	Ø 10	831.0316	831.0023.1
ROBO 650TS	145.0574	30.0	18.0	84.0	M10	Ø 12	831.0319	831.0587.1
	145.0575	30.0	21.5	84.0	M10	Ø 12	831.0319	831.0547.1
	145.0578	30.0	18.0	78.0	M10	Ø 12	831.0319	on request

### Torch series ROBO WH

ROBO WH 242D	145.0135	21.0	13.0	62.0	M6	Ø 8	831.0314	831.0564.1
	145.0090	21.0	15.5	62.0	M6	Ø 8	831.0314	831.0563.1
ROBO WH W500	145.0479	25.0	13.0	75.5	M8	Ø 10	831.0316	831.0368.1
	145.0556	25.0	13.0	77.5	M8	Ø 10	831.0316	831.0368.1
	145.0466	25.0	15.5	72.0	M8	Ø 10	831.0316	831.0216.1
	145.0568	25.0	15.5	72.5	M8	Ø 10	831.0316	831.0216.1
	145.0553	25.0	15.5	75.5	M8	Ø 10	831.0316	831.0023.1
	145.0544	25.0	15.5	75.5	M8	Ø 10	831.0316	831.0023.1
ROBO WH W600	145.0480	25.0	15.5	77.0	M8	Ø 10	831.0316	831.0023.1
	145.0689.5	30,0	18.0	92.0	M12	Ø 12	831.0319	831.0162.1
	145.0686.5	30,0	21.5	92.0	M12	Ø 12	831.0319	831.0746.1
	145.0687.5	30,0	21.5	86.0	M12	Ø 12	831.0319	831.0763.1
	145.0688.5	30,0	21.5	95.0	M12	Ø 12	831.0319	831.0764.1

The standard clamping prisms and cutters listed here cannot be used in conjunction with the torch cleaning station BRS-FP. Please submit a separate request for these.

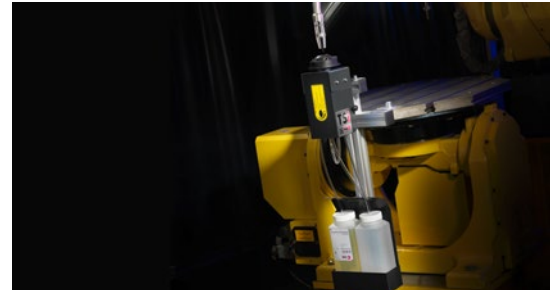


# Robot Peripherals

## Injection unit „TSi“

### Plug & Spray ...

The TSi from ABICOR BINZEL – the stand-alone welding torch injection unit for simple integration in existing or new processes. The spray pulse is triggered by the integrated activating mechanism as soon as the welding torch is moved into the TSi vertically up to the spraying position. This makes a complicated electric actuator or integration in the robot controller unnecessary.



### Order informations:



No.	Type	Description	Bestell-Nr.
1	Injection unit TSi	Injection unit TSi incl. 1 litre anti-spatter fluid and three sealing inserts (Ø 20, 24, 30 mm)	830.2285.1
2	Device cover	Device cover with bayonet fitting	830.2237.1
3	Sealing insert: Ø 20 mm Ø 24 mm Ø 30 mm	Seal to the gas nozzle	830.2232.1 830.2233.1 830.2234.1
4	Pressure flange	Contact surface of the gas nozzle for spray pulse activation	830.2265.1
5	Injection nozzle	Injection nozzle for the even vaporisation of the anti-spatter fluid	830.2133.1
6	Collecting tank	Collecting tank and filter for excess anti-spatter fluid	830.2240.1
7	Anti-spatter fluid	1 litre bottle 5 litre canister	192.0056 192.0052
not ill.	Fixing bracket TSi/BRS	Fixing bracket for attaching the TSi to torch cleaning stations CC/LC/FP	831.0824.1

### Technical Data:

#### General information:

Weight: 1.5 kg (without anti-spatter fluid)  
 Ambient temperature in operation: 0 °C to +40 °C  
 Relative humidity in operation: up to 90% at 20 °C

#### Pneumatic connection:

Connection port: Ø 8 mm  
 Operating pressure: min. 0.5 MPa up to max. 0.6 MPa

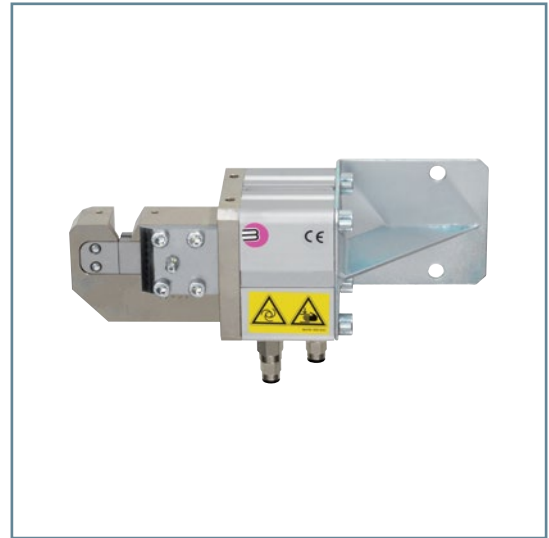
# Roboter-Peripherie

## Wire Cutting Station „DAV“

### The perfect cut ...

The wire cutting station DAV in MIG/MAG robotic welding is an essential requirement to guarantee a consistent wire stick-out, and clean end of the wire as well as better capacity of arc-start due to the cutting of the welding ball and oxides formed at the end of the wire.

- Defined wire length as requirement for the automatic TCP measurement
- Precise and reliable cutting quality even with hard or thick wires
- High durability and longevity of the blades
- Wire clamping function for the wire removal in connection with the ATS-Rotor



### Technical Data:

#### Wire cutting fixture "DAV"

Operating pressure: 6–8 bar  
 Compressed air supply: Clear width Ø 4 mm  
 Cutting rate at 6 bar: Solid wire 1.6 mm  
 Flux cored wire 3.2 mm  
 Weight: 2700 g

#### Extension set

Comprising: 5/2 directional control valve, device socket, threaded connectors, plastic pipe (1 m) and silencer  
 Operating pressure: 6–8 bar  
 Compressed air supply: G 1/8"  
 Nominal flow: approx. 650 l/min.  
 Control: 24 V DC  
 - I max. ≤ 1.1 A  
 - I nom. = 220 mA  
 Weight: 265 g

### Order options:

Description	Part-No.
Wire cutting fixture "DAV" cpl.	839.0020
Replacement blade	839.0024
Replacement static blade	839.0026
Extension set	839.0035.1



## Our Product Range:

### ■ MIG/MAG

- Welding Torches
- Automatic and Special Torches
- Push-Pull Welding Torches
- Fume Extraction Torches
- Central Adaptor System

### ■ TIG

- Welding Torches
- Automatic and Special Torches

### ■ PLASMA

- Cutting Torches
- Welding Torches
- Automatic and Special Torches

### ■ Robotic Peripheral Equipment

- Robot Torches MIG/TIG/PLASMA
- Robot Mount CAT2/iCAT/iSTM
- TCP Programming Aid ABIDOT
- Electronic Welding Regulator EWR
- Wire Feeder System MASTER Liner
- Torch Cleaning Station BRS
- Front Injector TMS-VI
- Wire Cutting Fixture DAV
- Wire Feeding System MFS
- Torch Change System ATS-Rotor
- Tool Change System WWS

### ■ Welding Accessories

- Cooling Devices
- Welding Cable Plug and Socket
- Anti Spatter Spray and Paste
- and so on ...



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# Spare Parts List MIG/MAG

## 2015 / 2016





# Content

■ MIG/MAG Welding Torches "MB ERGO" air and liquid cooled (up to 550 A) <b>MB ERGO 15 AK / 15 AK FX / 24 KD / 25 AK / 25 AK FX / 26 KD / 36 KD / 240 D / 401 / 401 D / 501 / 501 D</b>	Chapter	1
■ MIG/MAG Welding Torches "MB GRIP" air and liquid cooled (up to 550 A) <b>MB GRIP 15 AK / 25 AK / 24 KD / 26 KD / 36 KD / 240 D / 401 D / 401 / 501 / 501 D</b>	Chapter	2
■ MIG/MAG Welding Torches "ABIMIG® GRIP A" air cooled (up to 430 A) <b>ABIMIG® GRIP A 155 LW / 255 LW / 305 LW / 355 LW / 405 LW</b>	Chapter	3
■ MIG/MAG Welding Torches "ABIMIG® A T LW" air cooled (up to 400 A) <b>ABIMIG® A T 155 LW / 255 LW / 305 LW / 355 LW / 405 LW</b>	Chapter	4
■ MIG/MAG Welding Torches "ABIMIG® GRIP W" liquid cooled (up to 625 A) <b>ABIMIG® GRIP W 555 D / 555 D TS / 555 / 605 / 605 D / 605 C</b>	Chapter	5
■ MIG/MAG Welding Torches "ABIMIG®" liquid cooled (up to 600 A) <b>ABIMIG® 645 W</b>	Chapter	6
■ MIG/MAG Machine Welding Torches air and liquid cooled <b>AUT / ABIMIG® MT</b>	Chapter	7
■ MIG/MAG Welding Torches "Push-Pull Plus" air and liquid cooled (up to 350 A) <b>PP Plus 36 D / 240 D / 401 D</b>	Chapter	8
■ MIG/MAG Fume Extraction Torches "RAB GRIP" air and liquid cooled (up to 550 A) <b>RAB GRIP 15 AK / 24 KD / 25 AK / 36 KD / 240 D / 501 / 501 D</b>	Chapter	9
■ Fume Extraction System <b>FES-200 / FES-200 W3</b>	Chapter	10
■ Handles and control modules <b>MB GRIP / ABIMIG® GRIP / ABIMIG® A T LW / RAB GRIP</b>	Chapter	11
■ Central adaptor and central connector system	Chapter	12
■ Spare Part List (numeric)	Chapter	13
■ Standard Terms and Conditions of Deliveries and Services	Chapter	14





## MIG/MAG Welding Torches

# MB ERGO

## air and liquid cooled

### "The robust quality classics"

The MIG/MAG torch series "MB" is available in air and liquid cooled variants and combines progressive technology and quality, enabling trouble-free operation for every application. All torches are thoroughly designed to provide comfortable and precise operation.

- Worldwide recognized top quality
- Ergonomically and technically mature and 100 % reliable
- Optimum cooling of the torch - extending torch life
- Time-saving torch changeover due to the ABICOR BINZEL central adaptor system



### Technical data (EN 60 974-7)

#### MIG/MAG Welding Torches "MB ERGO" (air cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>MB ERGO 15 AK / AK-FX</b>	180	150	60	0.6-1.0
<b>MB ERGO 24 KD</b>	250	220	35	0.8-1.2
<b>MB ERGO 25 AK / AK-FX</b>	230	200	60	0.8-1.2
<b>MB ERGO 26 KD</b>	230	200	35	0.8-1.2
<b>MB ERGO 36 KD</b>	300	270	60	0.8-1.2

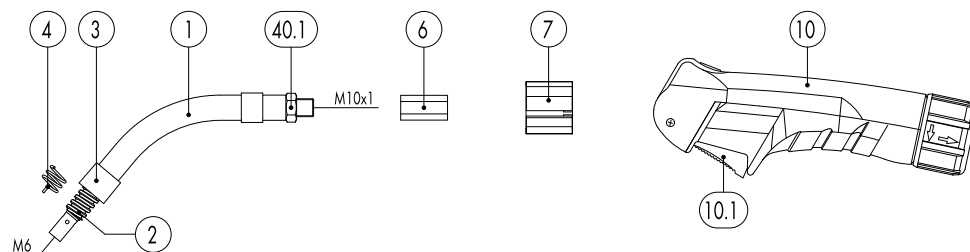
FX=flexible. Subject to change without notice.

#### MIG/MAG Welding Torches "MB ERGO" (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>MB ERGO 240 D</b>	300	270	100	0.8-1.2
<b>MB ERGO 401</b>	450	400	100	0.8-1.2
<b>MB ERGO 401 D</b>	400	350	100	0.8-1.2
<b>MB ERGO 501</b>	550	500	100	1.0-1.6
<b>MB ERGO 501 D</b>	500	450	100	1.0-1.6

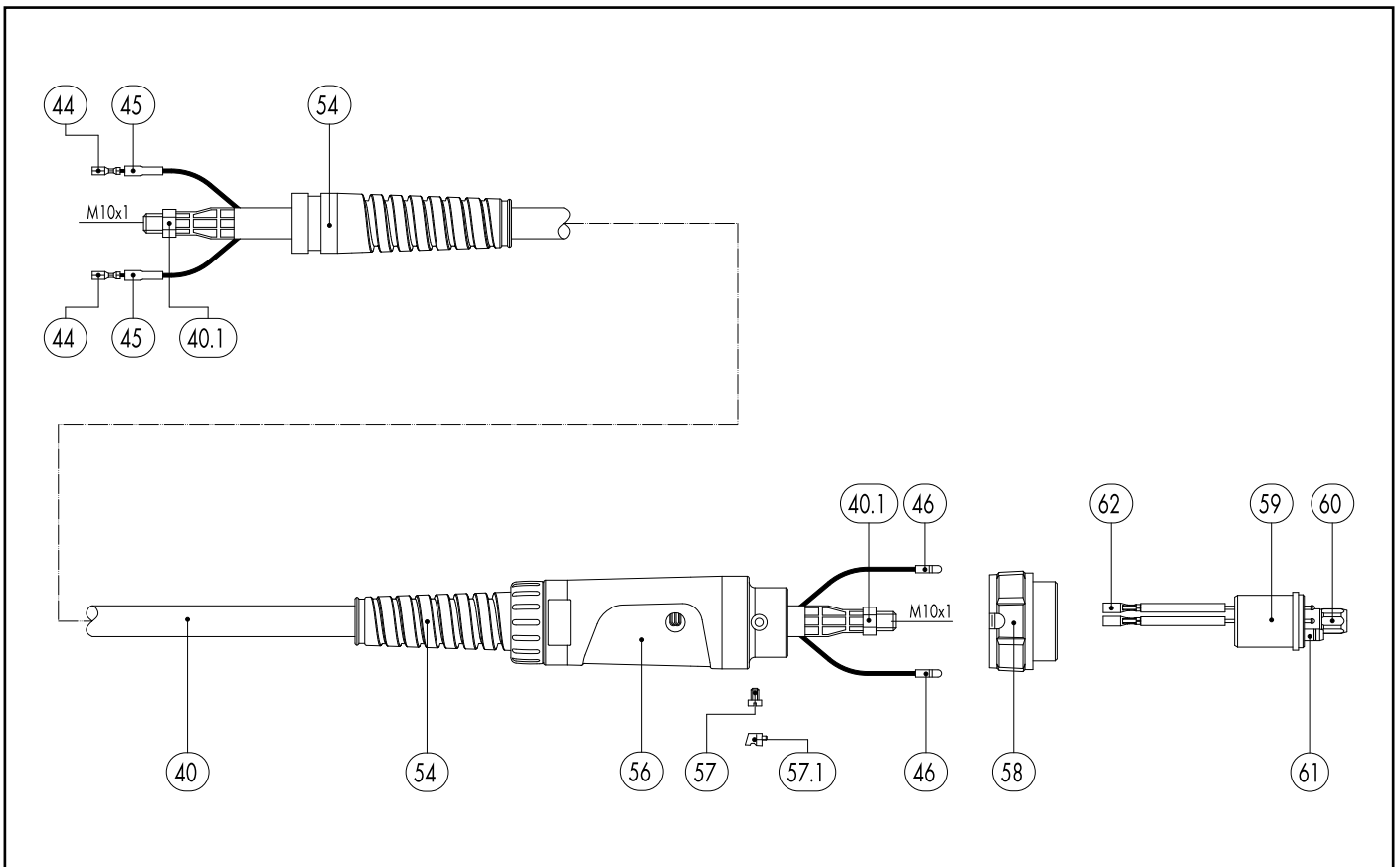
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# MIG/MAG Welding Torches MB ERGO 15 AK



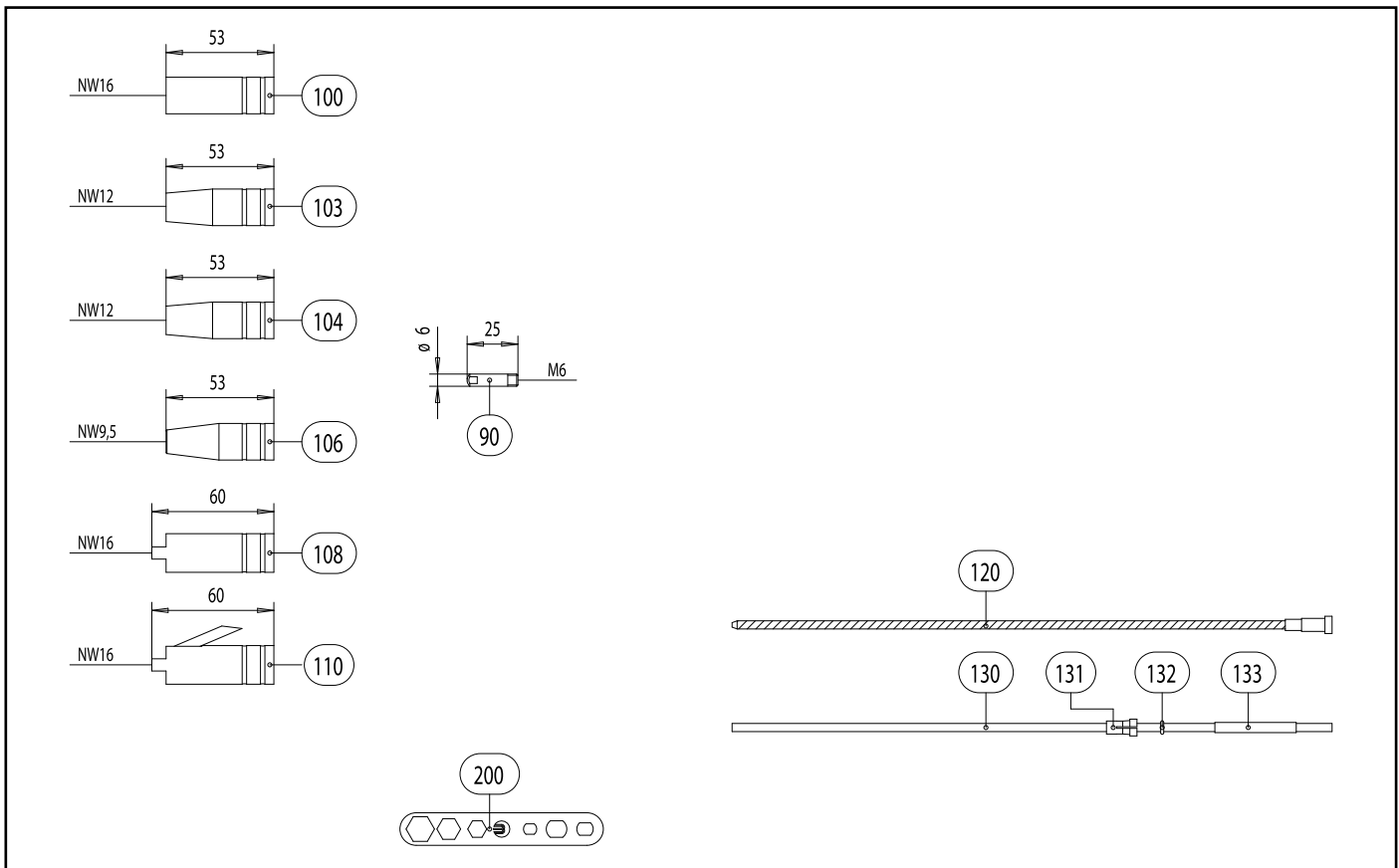
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 15 AK; ERGO; central adaptor KZ-2; 3.00 m		002.0449	1006
	MB 15 AK; ERGO; central adaptor KZ-2; 4.00 m		002.0450	1006
	MB 15 AK; ERGO; central adaptor KZ-2; 5.00 m		002.0451	1006
<b>Swan neck</b>				
1	Swan neck MB 15 AK; 50° bent		002.0009	1007
	Swan neck MB 15 AK; flexible		002.0029	1007
2	Gas nozzle holder		002.0078	1095
3	Head insulator	10 Pcs.	002.0050	1095
4	Nozzle spring	100 Pcs.	002.0058	1095
6	Torch body brass		400.0114	1095
7	Torch body plastic ERGO		400.1076	1095
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
40	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 3.00 m		160.D520	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 4.00 m		160.D521	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 5.00 m		160.D522	1511
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
56	Cable support machine side		501.2248	9010

# MIG/MAG Welding Torches MB ERGO 15 AK



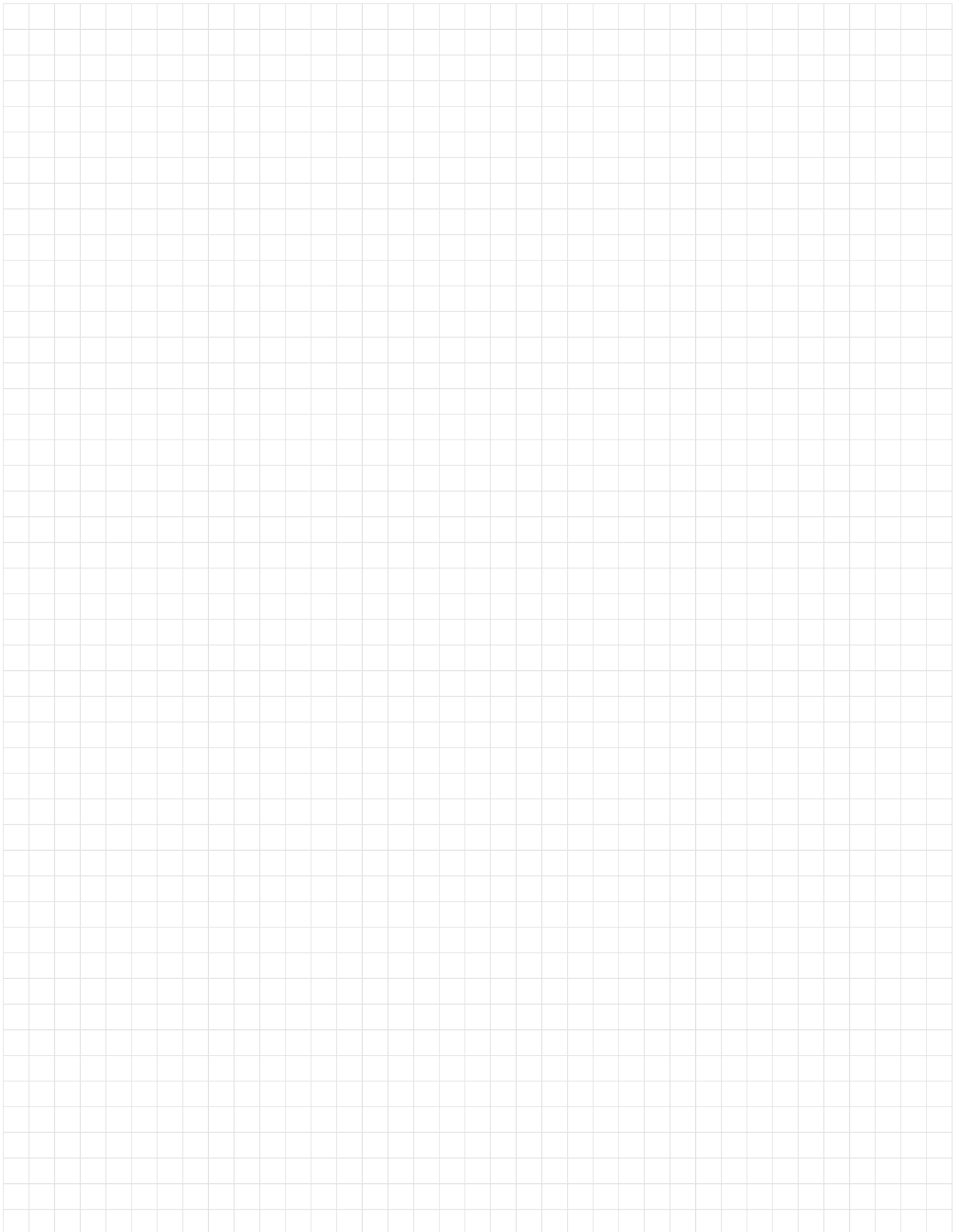
Pos.	Description	Units	Part-No.	Product-group
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
90	Contact tip M6 E-Cu; Ø 0.6 (6x25)	10 Pcs.	140.0008	1030
90	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
90	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
90	Contact tip M6 CuCrZr; Ø 0.6 (6x25)	10 Pcs.	140.0855	1031
90	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle; cylindrical; ND Ø 16.0	10 Pcs.	145.0041	1036
103	Gas nozzle; conical; ND Ø 12.0	10 Pcs.	145.0075	1036
104	Gas nozzle; conical; with extended insulation; ND Ø 12.0	10 Pcs.	145.0107	1036
106	Gas nozzle; tapered; ND Ø 9.5	10 Pcs.	145.0123	1036
108	Spot weld gas nozzle; ND Ø 16.0	10 Pcs.	145.0168	1036
110	Spot weld gas nozzle for pin-welding; ND Ø 16.0	10 Pcs.	145.0186	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034

# MIG/MAG Welding Torches MB ERGO 15 AK

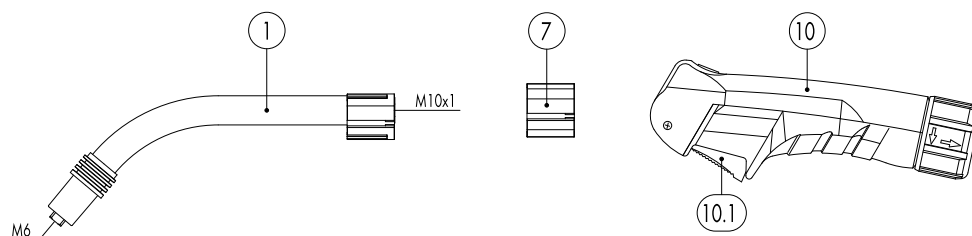


Pos.	Description	Units	Part-No.	Product-group
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard		191.0001	9010

# Notes

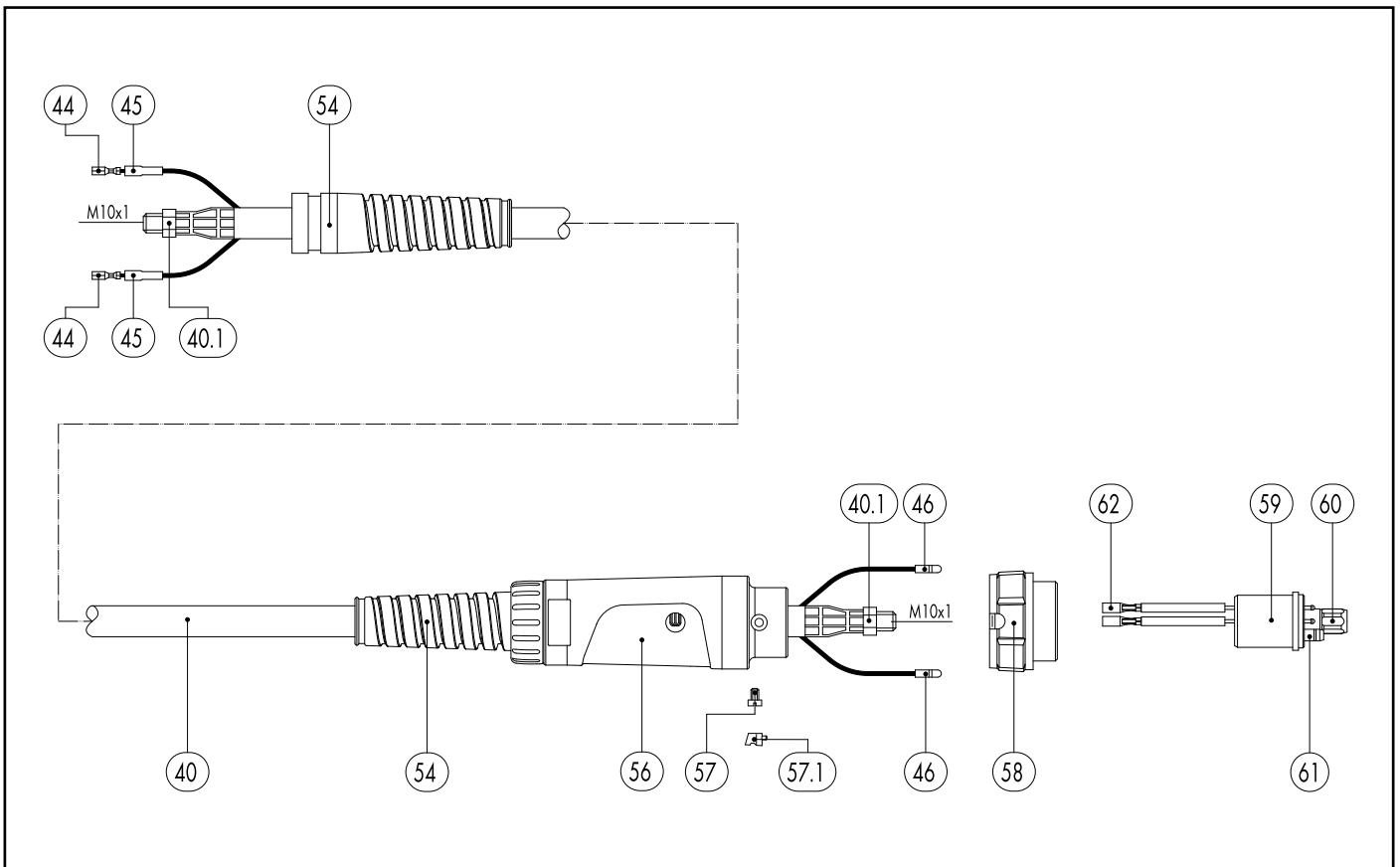


# MIG/MAG Welding Torches MB ERGO 24 KD



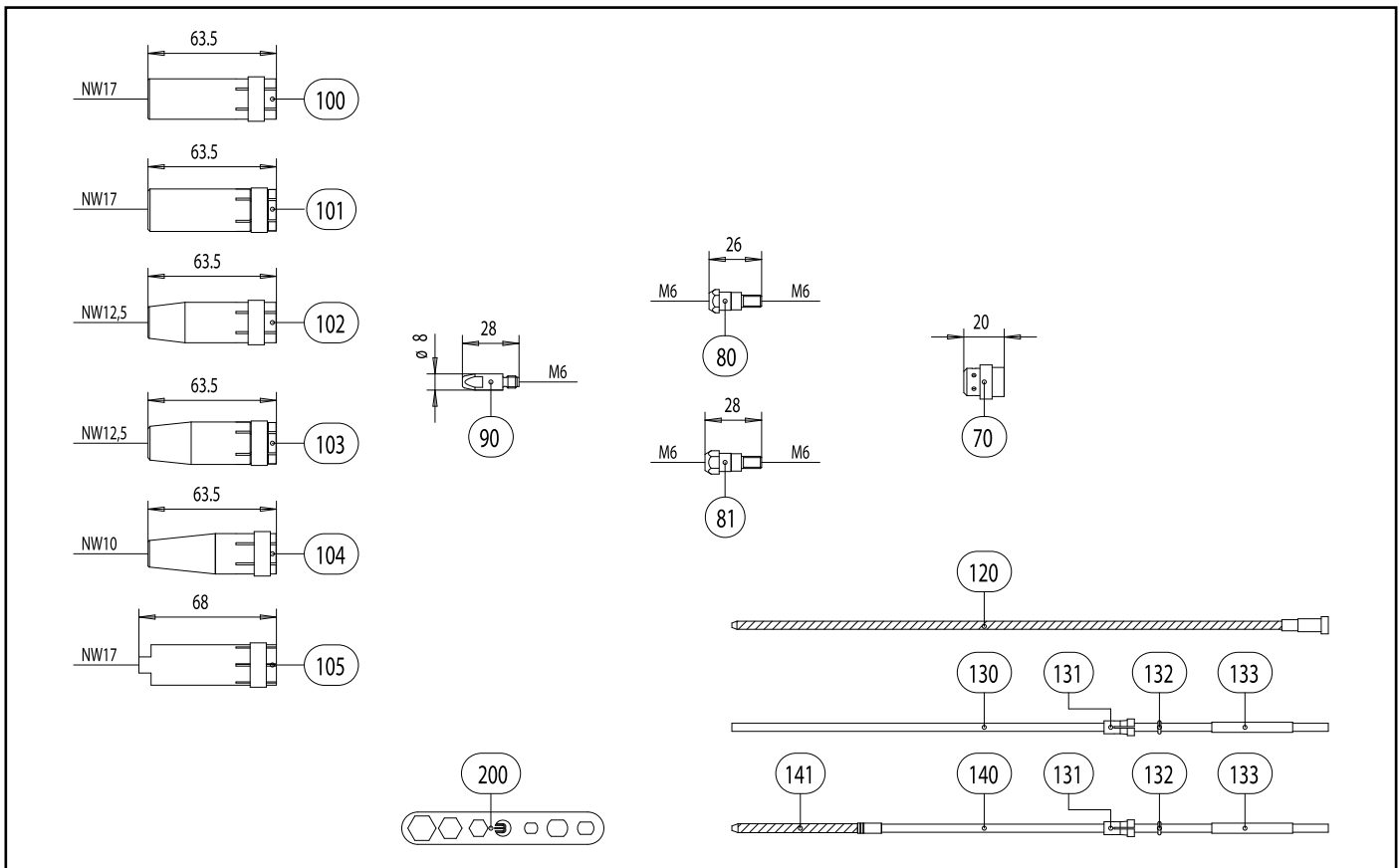
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 24 KD; ERGO; central adaptor KZ-2; 3.00 m		012.0103	1006
	MB 24 KD; ERGO; central adaptor KZ-2; 4.00 m		012.0104	1006
	MB 24 KD; ERGO; central adaptor KZ-2; 5.00 m		012.0105	1006
<b>Swan neck</b>				
1	Swan neck MB 24 KD; 50° bent		012.0001	1007
7	Torch body plastic ERGO		400.1076	1095
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
40	Bikox® power cable MB ERGO, B6 for 3.00 m		160.0239	1011
40	Bikox® power cable MB ERGO, B6 for 4.00 m		160.0255	1011
40	Bikox® power cable MB ERGO, B6 for 5.00 m		160.0267	1011
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010

# MIG/MAG Welding Torches MB ERGO 24 KD



Pos.	Description	Units	Part-No.	Product-group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034

# MIG/MAG Welding Torches MB ERGO 24 KD



## Pos. Description

## Units

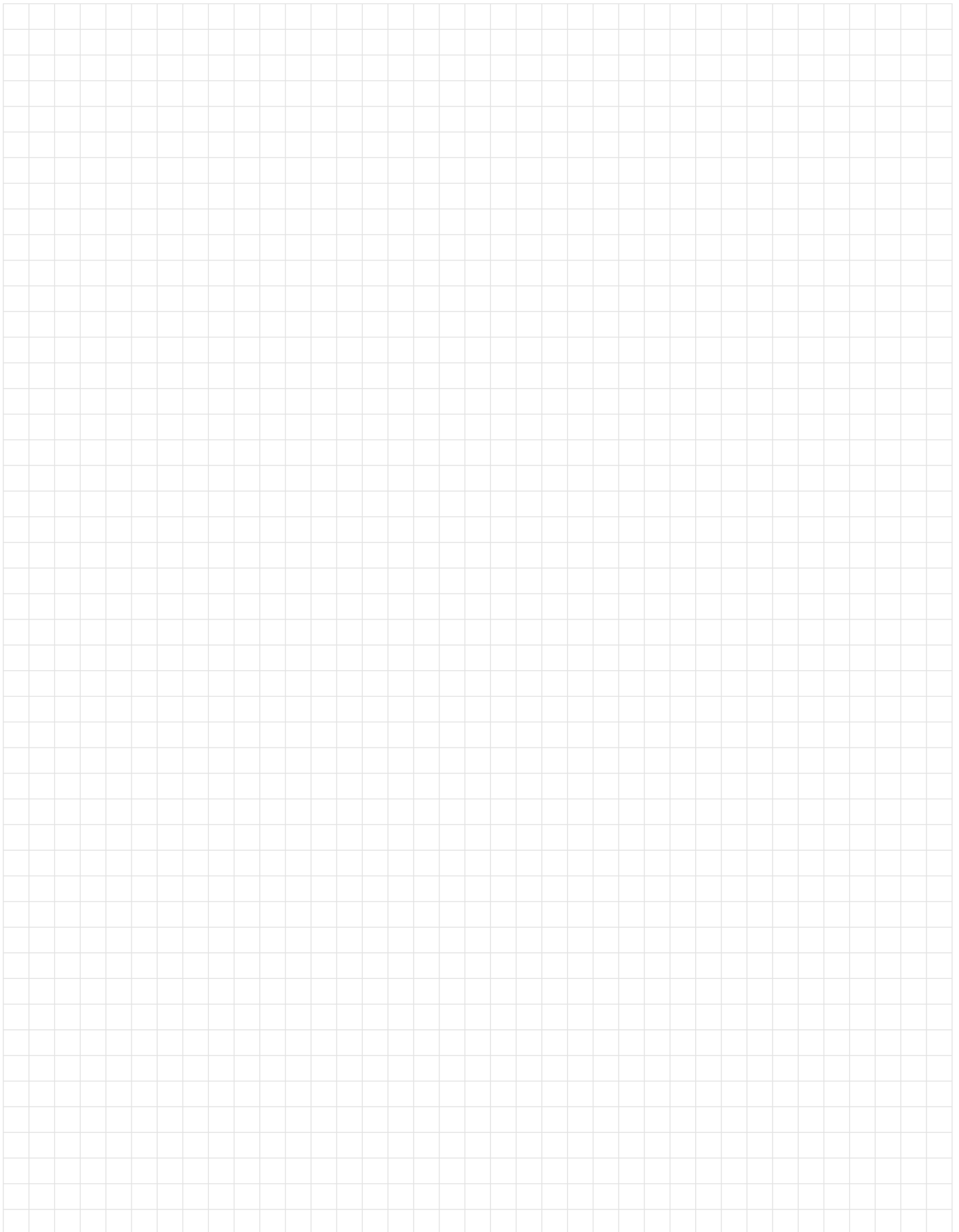
## Part-No.

## Product-group

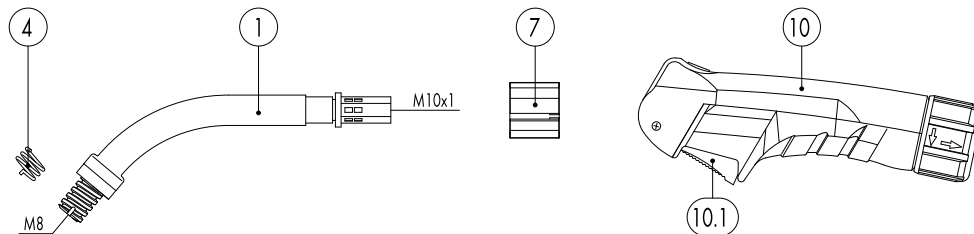
Pos.	Description	Units	Part-No.	Product-group
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010



# Notes

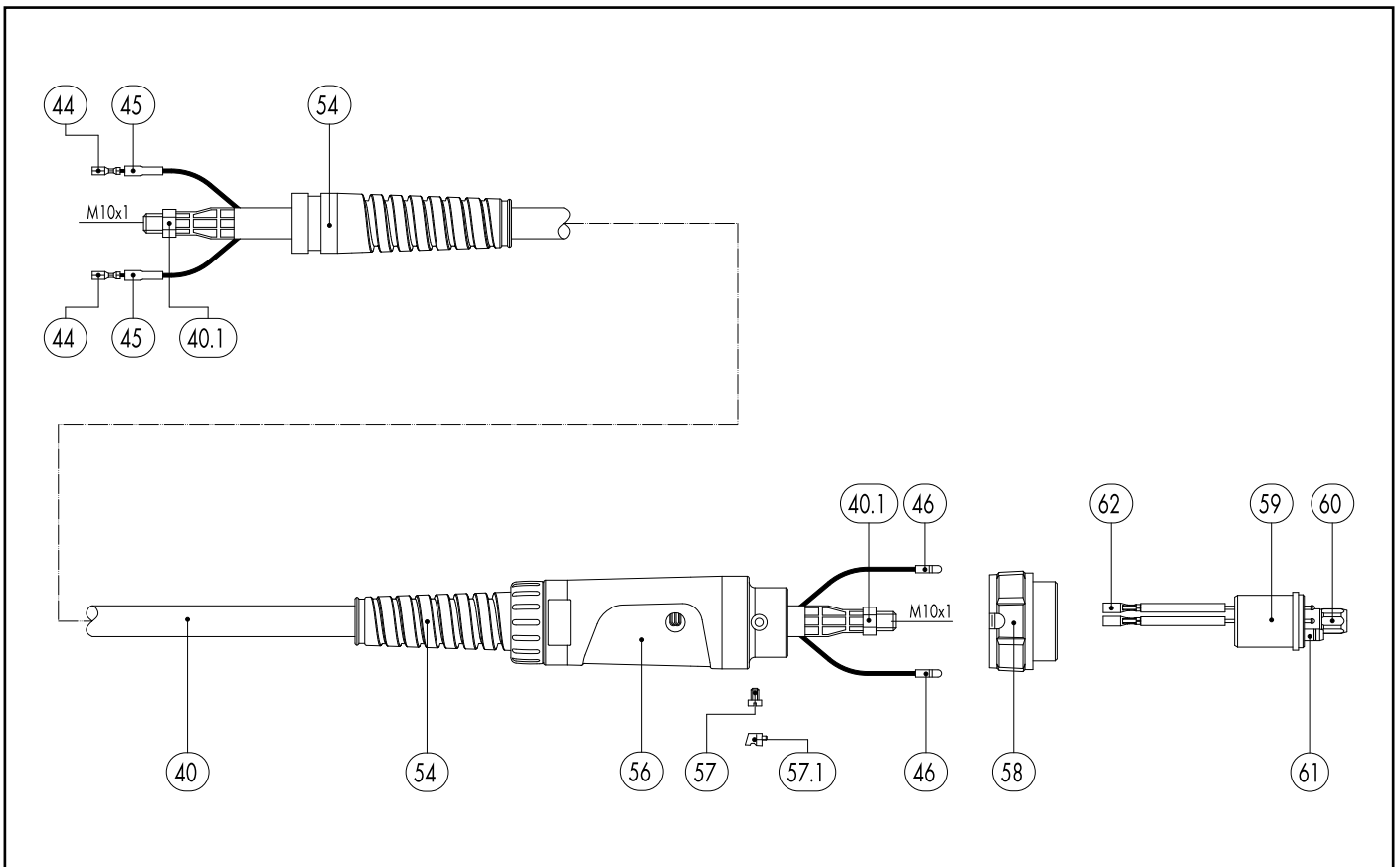


# MIG/MAG Welding Torches MB ERGO 25 AK



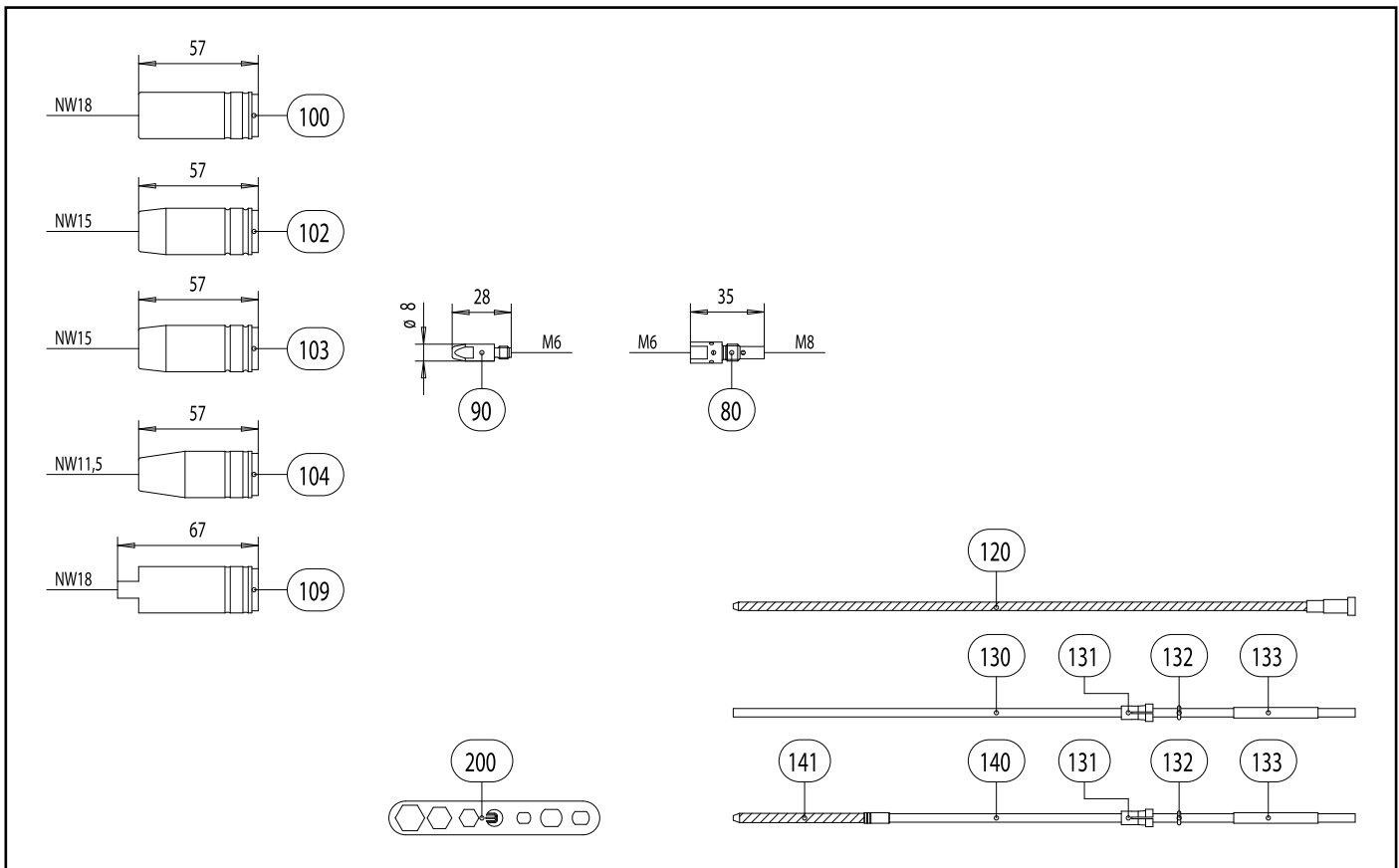
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 25 AK; ERGO; central adaptor KZ-2; 3.00 m		004.0312	1006
	MB 25 AK; ERGO, central adaptor KZ-2; 4.00 m		004.0313	1006
	MB 25 AK; ERGO; central adaptor KZ-2; 5.00 m		004.0314	1006
<b>Swan neck</b>				
1	Swan neck MB 25 AK; 50° bent		004.0012	1007
	Swan neck MB 25 AK; flexible		004.0032	1007
7	Torch body plastic ERGO		400.1076	1095
4	Nozzle spring	100 Pcs.	003.0013	1095
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
40	Bikox® power cable MB ERGO, B5 for 3.00 m		160.0128	1011
40	Bikox® power cable MB ERGO, B5 for 4.00 m		160.0142	1011
40	Bikox® power cable MB ERGO, B5 for 5.00 m		160.0155	1011
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010

# MIG/MAG Welding Torches MB ERGO 25 AK



Pos.	Description	Units	Part-No.	Product-group
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M6; 35.0 mm	10 Pcs.	142.0001	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 18.0	10 Pcs.	145.0042	1036
102	Gas nozzle; conical; ND Ø 15.0	10 Pcs.	145.0076	1036
103	Gas nozzle; conical; with extended insulation; ND Ø 15.0	10 Pcs.	145.0100	1036
104	Gas nozzle; tapered; ND Ø 11.5	10 Pcs.	145.0124	1036
109	Spot weld gas nozzle; ND Ø 18.0	10 Pcs.	145.0169	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 5.00 m		124.0015	1034

# MIG/MAG Welding Torches MB ERGO 25 AK



## Pos. Description

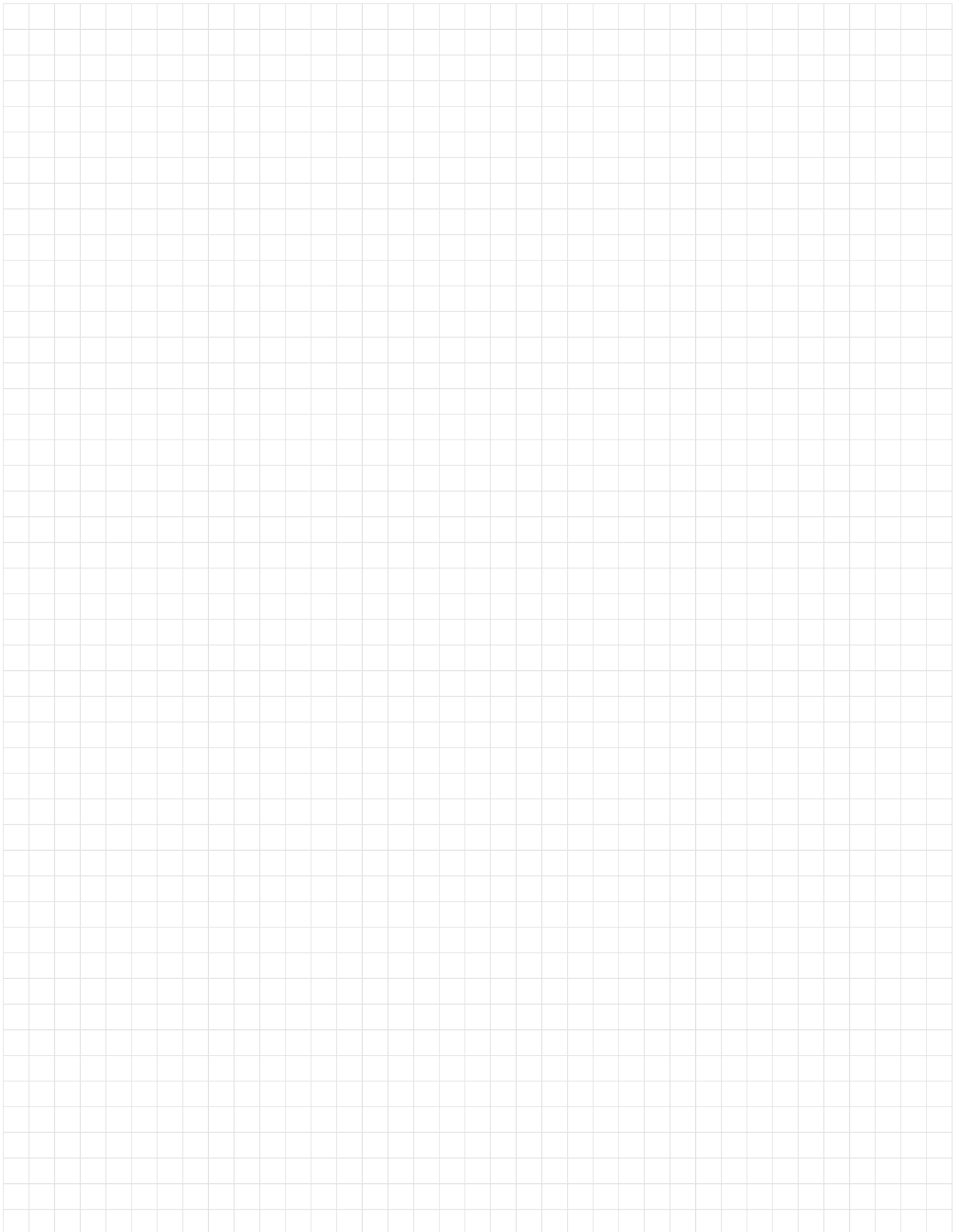
## Units

## Part-No.

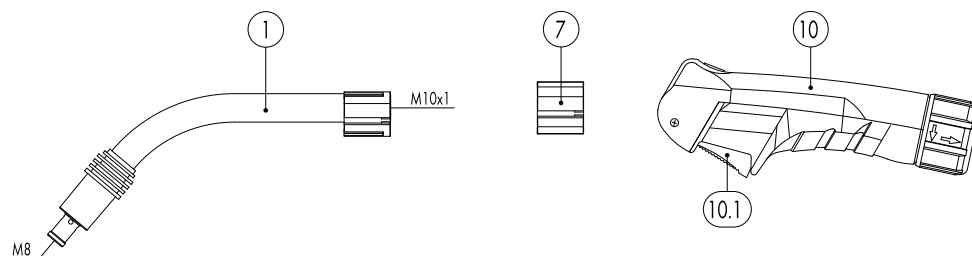
## Product-group

Pos.	Description	Units	Part-No.	Product-group
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# Notes

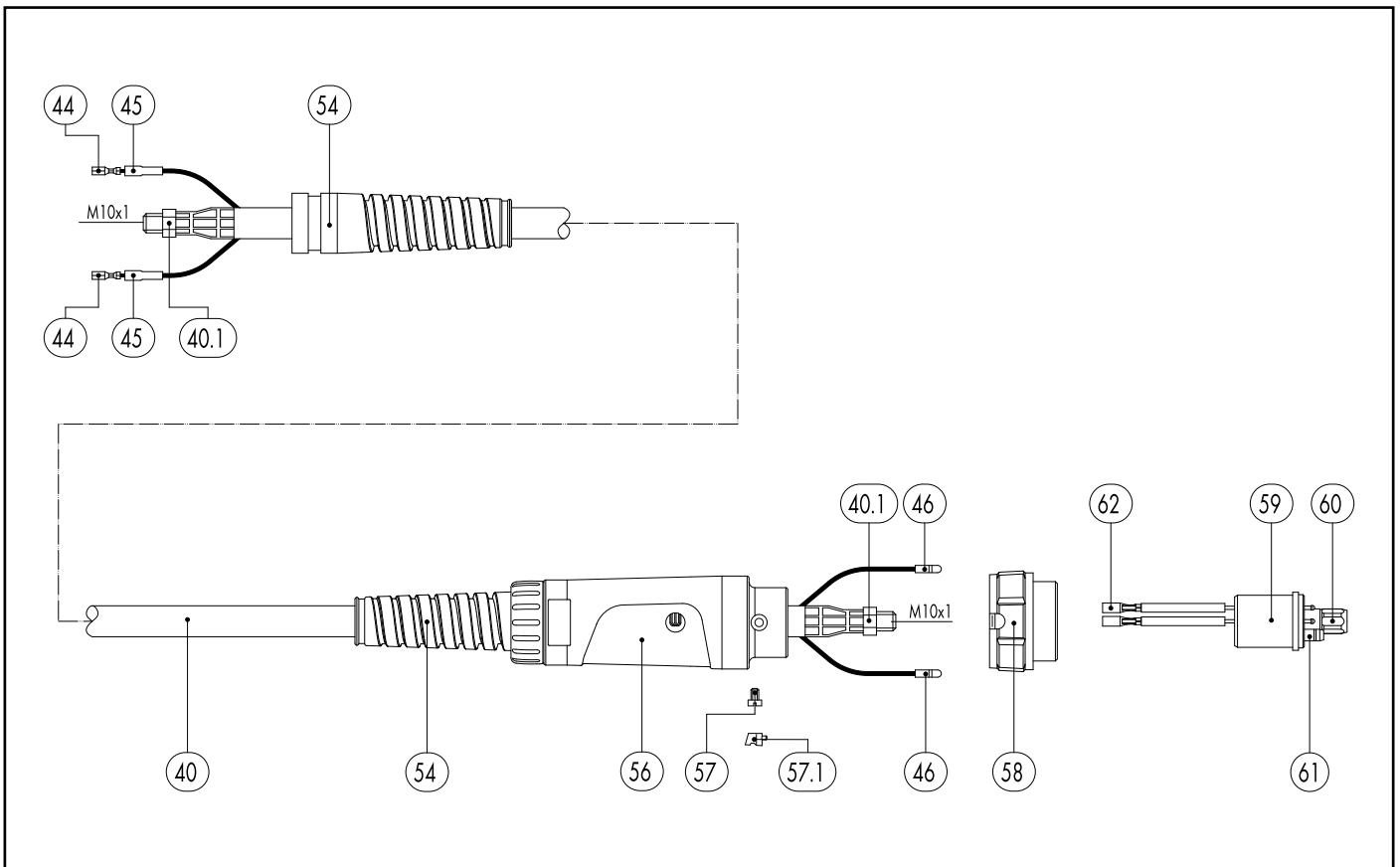


# MIG/MAG Welding Torches MB ERGO 26 KD



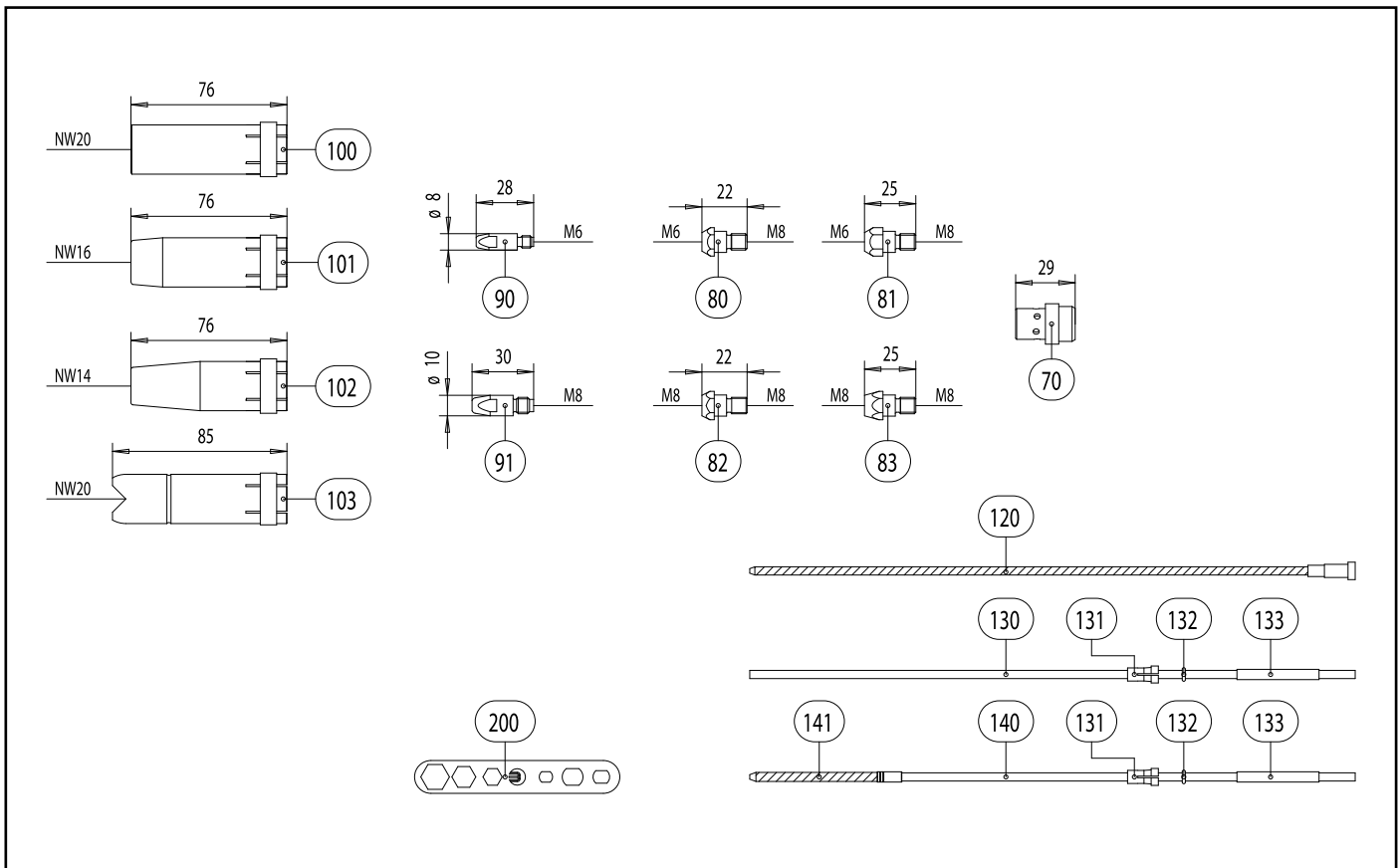
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 26 KD; ERGO; central adaptor KZ-2; 3.00 m		018.0062	1015
	MB 26 KD; ERGO; central adaptor KZ-2; 4.00 m		018.0063	1015
	MB 26 KD; ERGO; central adaptor KZ-2; 5.00 m		018.0064	1015
<b>Swan neck</b>				
1	Swan neck MB 26 KD; 50° bent		018.0001	1014
7	Torch body plastic ERGO		400.1076	1095
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
40	Bikox® power cable MB ERGO, B6 for 3.00 m		160.0239	1011
40	Bikox® power cable MB ERGO, B6 for 4.00 m		160.0255	1011
40	Bikox® power cable MB ERGO, B6 for 5.00 m		160.0267	1011
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010

# MIG/MAG Welding Torches MB ERGO 26 KD



Pos.	Description	Units	Part-No.	Product-group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	018.0116	1032
70	Gas diffuser, ceramic	10 Pcs.	018.0141	1032
80	Contact tip holder M6; 22.0 mm (short)	10 Pcs.	142.0007	1033
81	Contact tip holder M6; 25.0 mm (long)	10 Pcs.	142.0012	1033
82	Contact tip holder M8; 22.0 mm (short)	10 Pcs.	142.0082	1033
83	Contact tip holder M8; 25.0 mm (long)	10 Pcs.	142.0026	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031

# MIG/MAG Welding Torches MB ERGO 26 KD



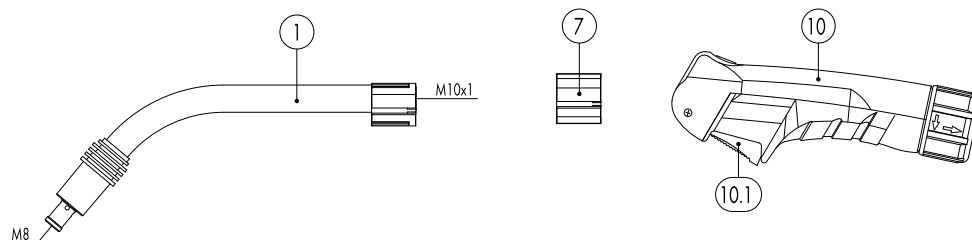
## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
103	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034



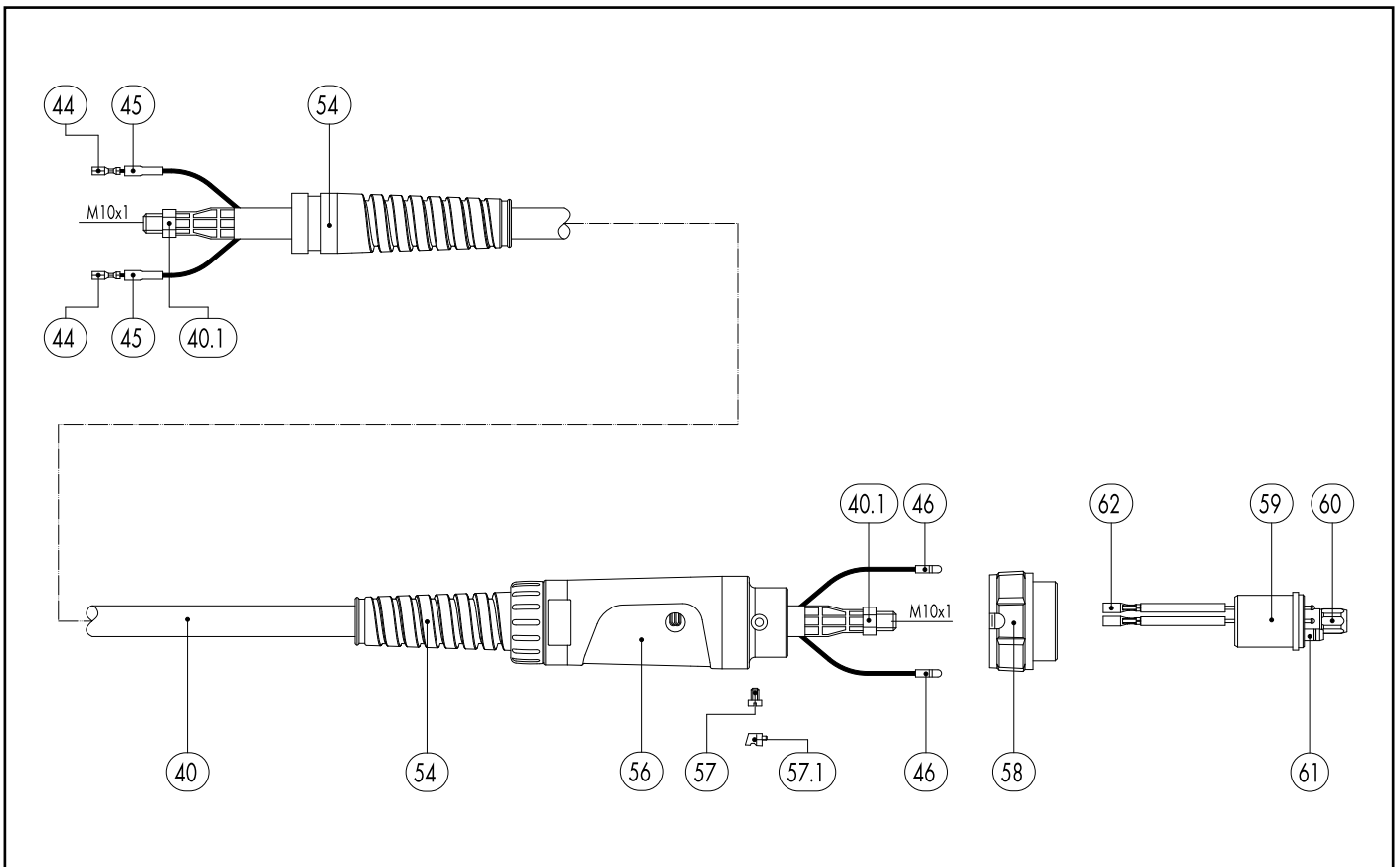


# MIG/MAG Welding Torches MB ERGO 36 KD



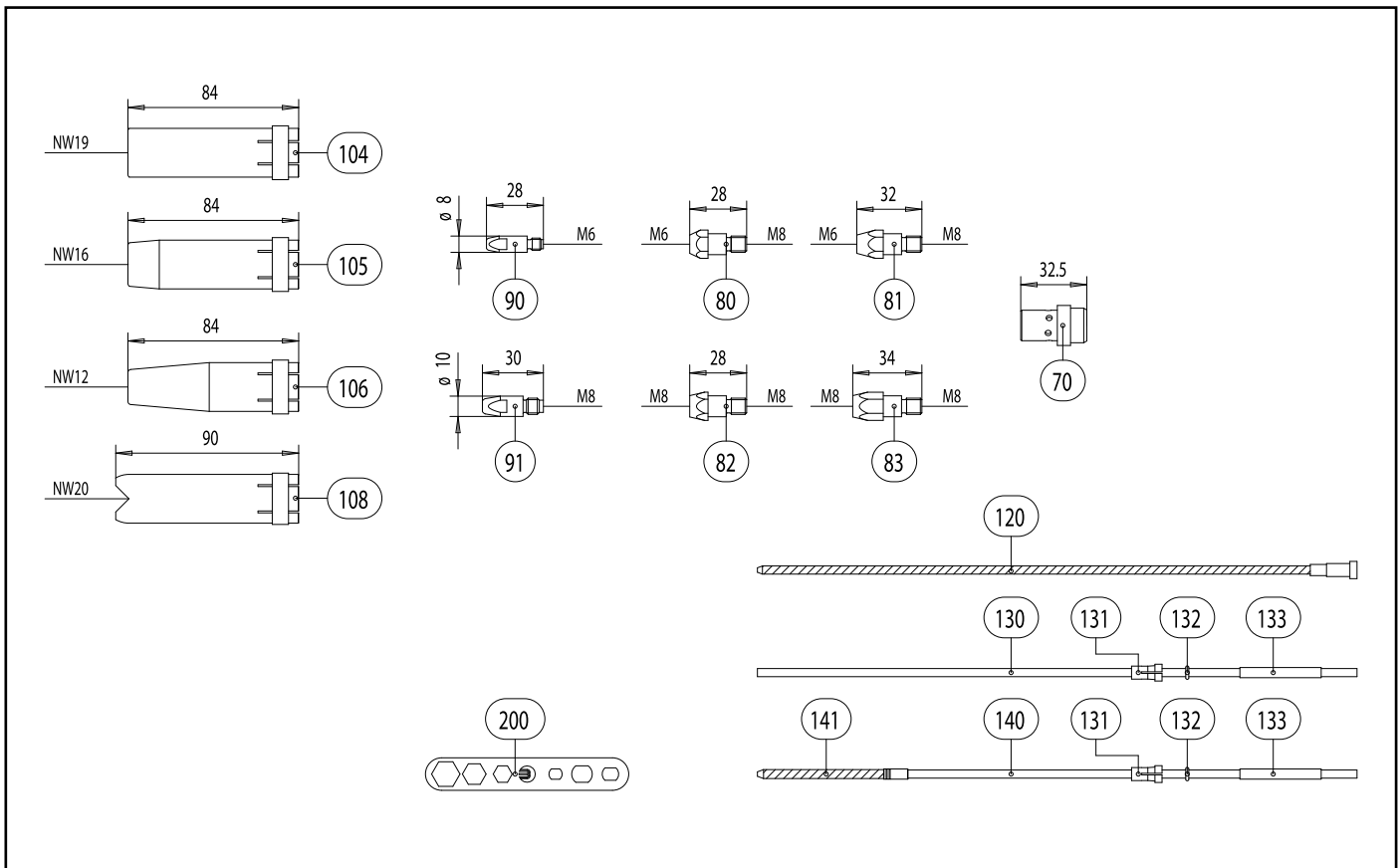
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 36 KD; ERGO; central adaptor KZ-2; 3.00 m		014.0143	1015
	MB 36 KD; ERGO; central adaptor KZ-2; 4.00 m		014.0144	1015
	MB 36 KD; ERGO; central adaptor KZ-2; 5.00 m		014.0145	1015
<b>Swan neck</b>				
1	Swan neck MB 36 KD; 50° bent		014.0006	1014
7	Torch body plastic ERGO		400.1076	1095
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
40	Bikox® power cable MB ERGO, B7 for 3.00 m		160.0364	1011
40	Bikox® power cable MB ERGO, B7 for 4.00 m		160.0379	1011
40	Bikox® power cable MB ERGO, B7 for 5.00 m		160.0391	1011
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010

# MIG/MAG Welding Torches MB ERGO 36 KD



Pos.	Description	Units	Part-No.	Product-group
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	014.0261	1032
70	Gas diffuser, long life	10 Pcs.	014.0026	1032
70	Gas diffuser, ceramic	10 Pcs.	014.0023	1032
80	Contact tip holder M6; 28.0 mm (short)	10 Pcs.	142.0005	1033
81	Contact tip holder M6; 32.0 mm (long)	10 Pcs.	142.0011	1033
82	Contact tip holder M8; 28.0 mm (short)	10 Pcs.	142.0020	1033
83	Contact tip holder M8; 34.0 mm (long)	10 Pcs.	142.0024	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031

# MIG/MAG Welding Torches MB ERGO 36 KD



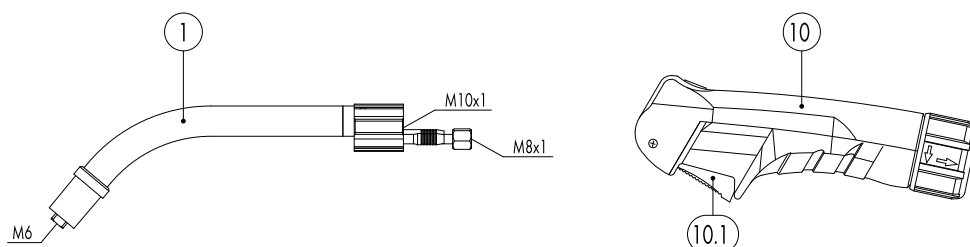
## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
104	Gas nozzle; cylindrical; ND Ø 19.0	10 Pcs.	145.0045	1037
105	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0078	1037
106	Gas nozzle; tapered; ND Ø 12.0	10 Pcs.	145.0126	1037
108	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0172	1037
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034

# MIG/MAG Welding Torches MB ERGO 36 KD

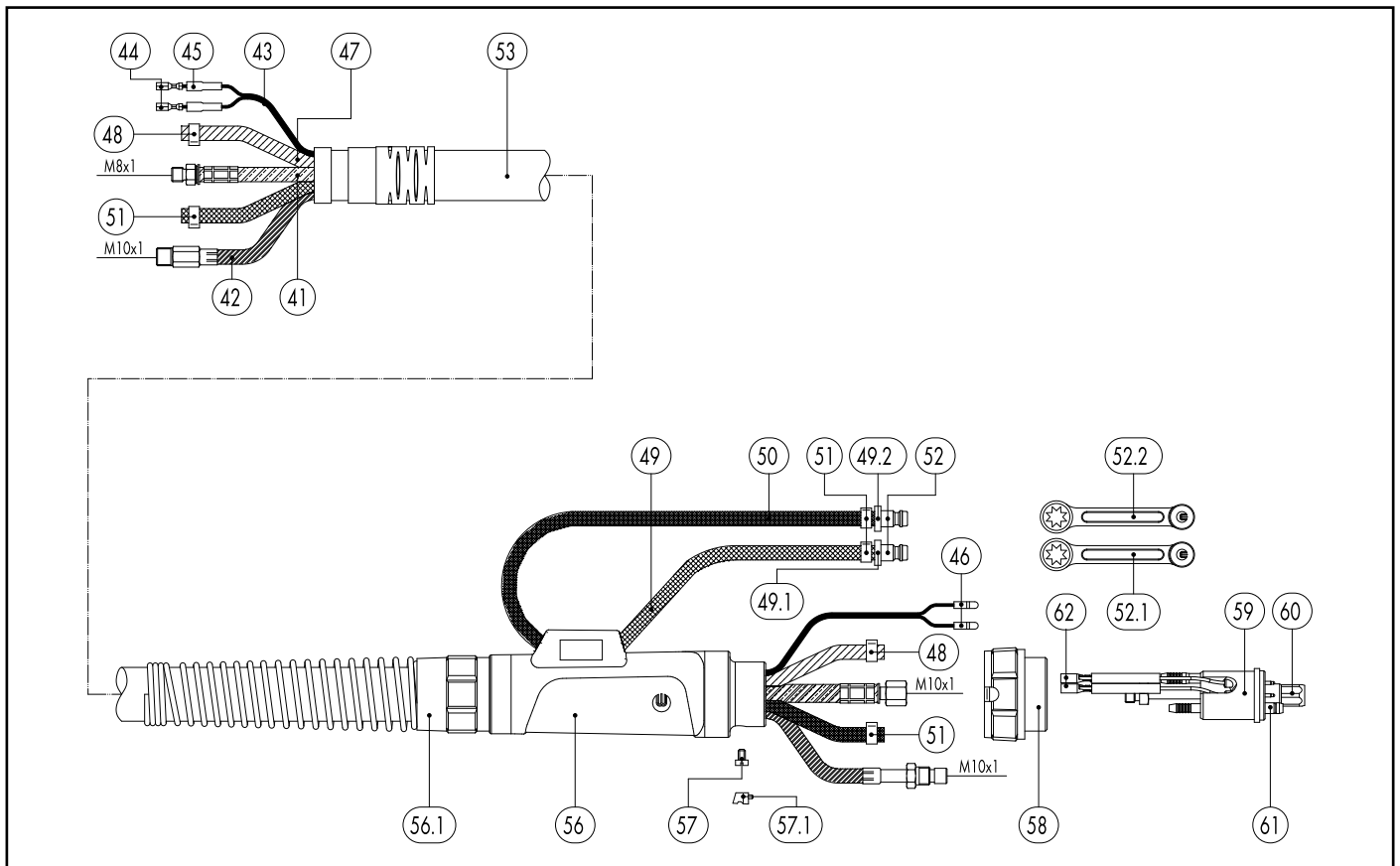
Pos.	Description	Units	Part-No.	Product-group
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# MIG/MAG Welding Torches MB ERGO 240 D



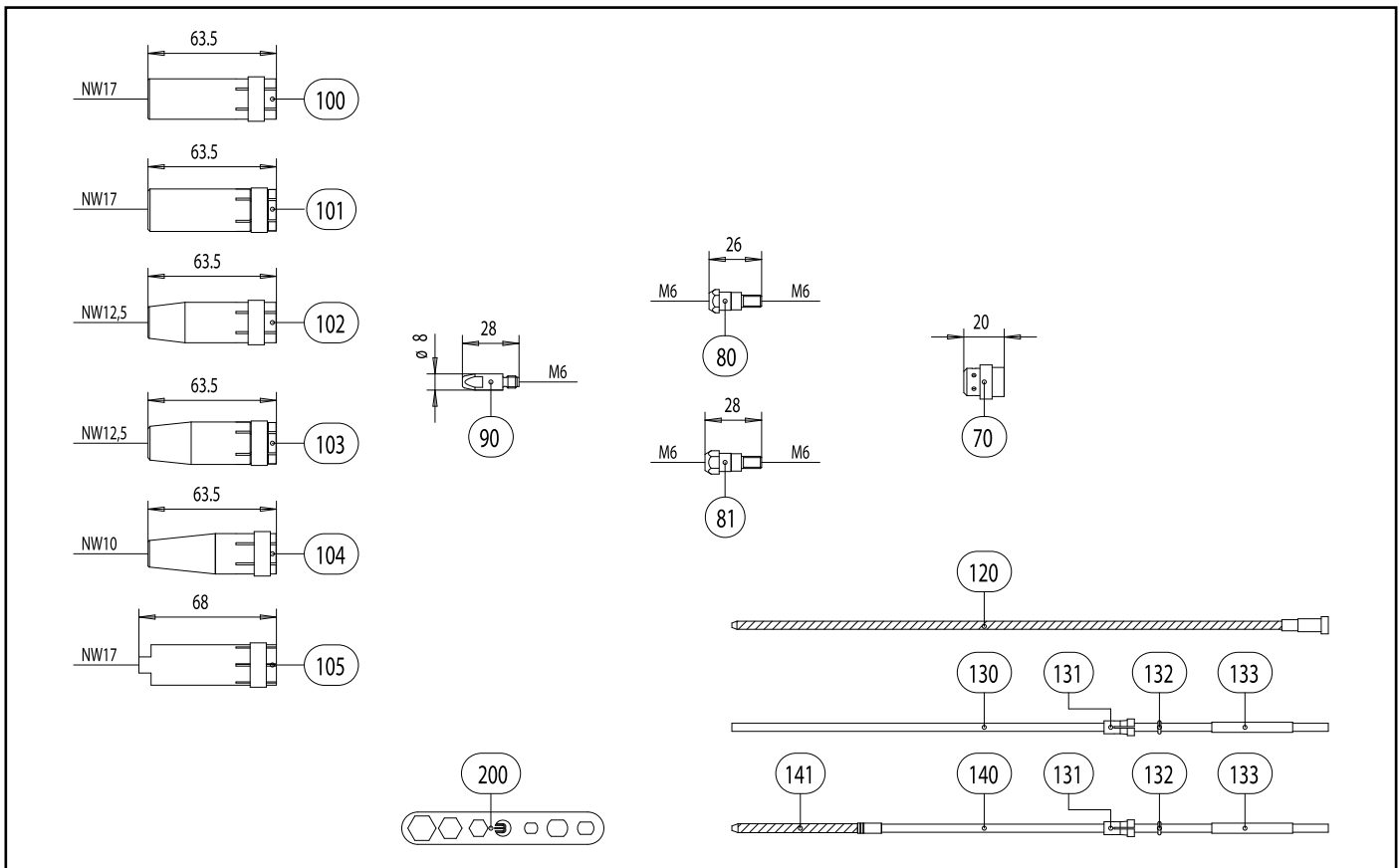
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 240 D; ERGO; central adaptor WZ-2; 3.00 m		023.0077	1017
	MB 240 D; ERGO; central adaptor WZ-2; 4.00 m		023.0078	1017
	MB 240 D; ERGO; central adaptor WZ-2; 5.00 m		023.0079	1017
<b>Swan neck</b>				
1	Swan neck MB 240 D; 50° bent		023.0001	1009
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		115.0065	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		115.0070	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		115.0074	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 3.00 m		156.0019	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 4.00 m		156.0023	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 5.00 m		156.0026	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; Ø 5.5x1.5	40 m	109.0052	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095

# MIG/MAG Welding Torches MB ERGO 240 D



Pos.	Description	Units	Part-No.	Product-group
51	Hose clamp $\varnothing$ 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / $\varnothing$ 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Outer cover with cable support $\varnothing$ 25x1.5 for 3.00 m		107.0079	1095
53	Outer cover with cable support $\varnothing$ 25x1.5 for 4.00 m		107.0044	1095
53	Outer cover with cable support $\varnothing$ 25x1.5 for 5.00 m		107.0080	1095
	Outer cover $\varnothing$ 25x1.5	40 m	107.0004	4050
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; $\varnothing$ 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.0 (8x28)	10 Pcs.	140.0242	1030

# MIG/MAG Welding Torches MB ERGO 240 D



## Pos. Description

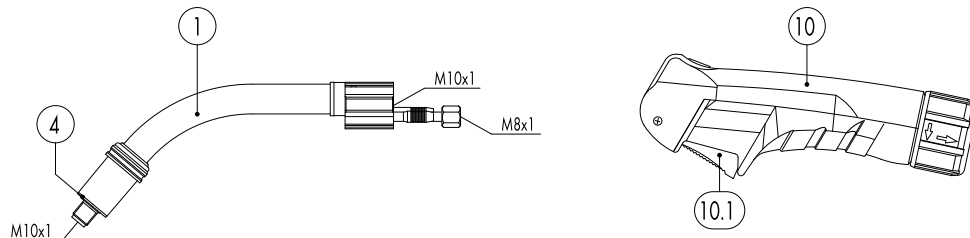
Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 3.00 m		122.0005	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 4.00 m		122.0007	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 5.00 m		122.0009	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 5.00 m		122.0039	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034



# MIG/MAG Welding Torches MB ERGO 240 D

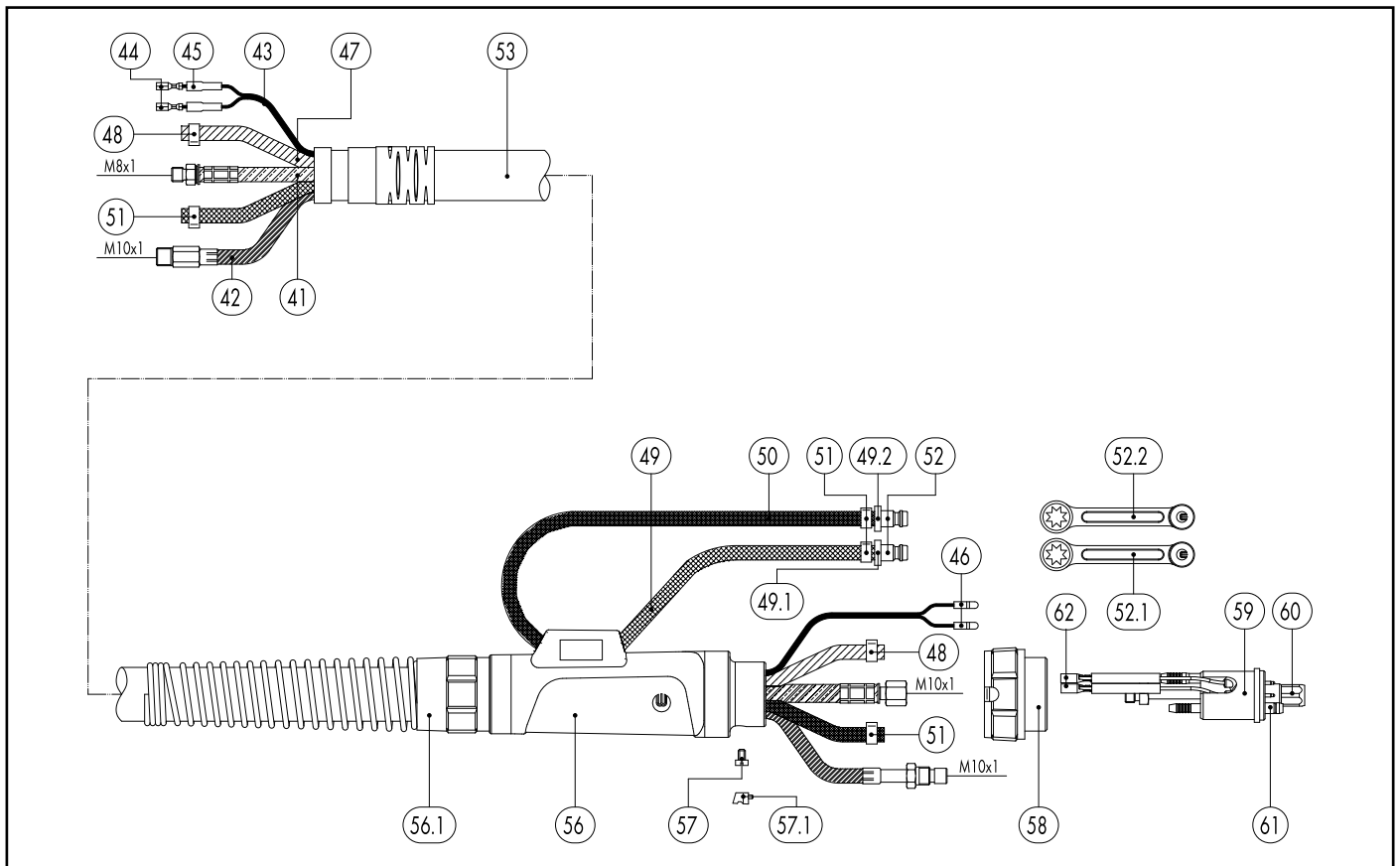
Pos.	Description	Units	Part-No.	Product-group
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# MIG/MAG Welding Torches MB ERGO 401 / MB ERGO 401 D



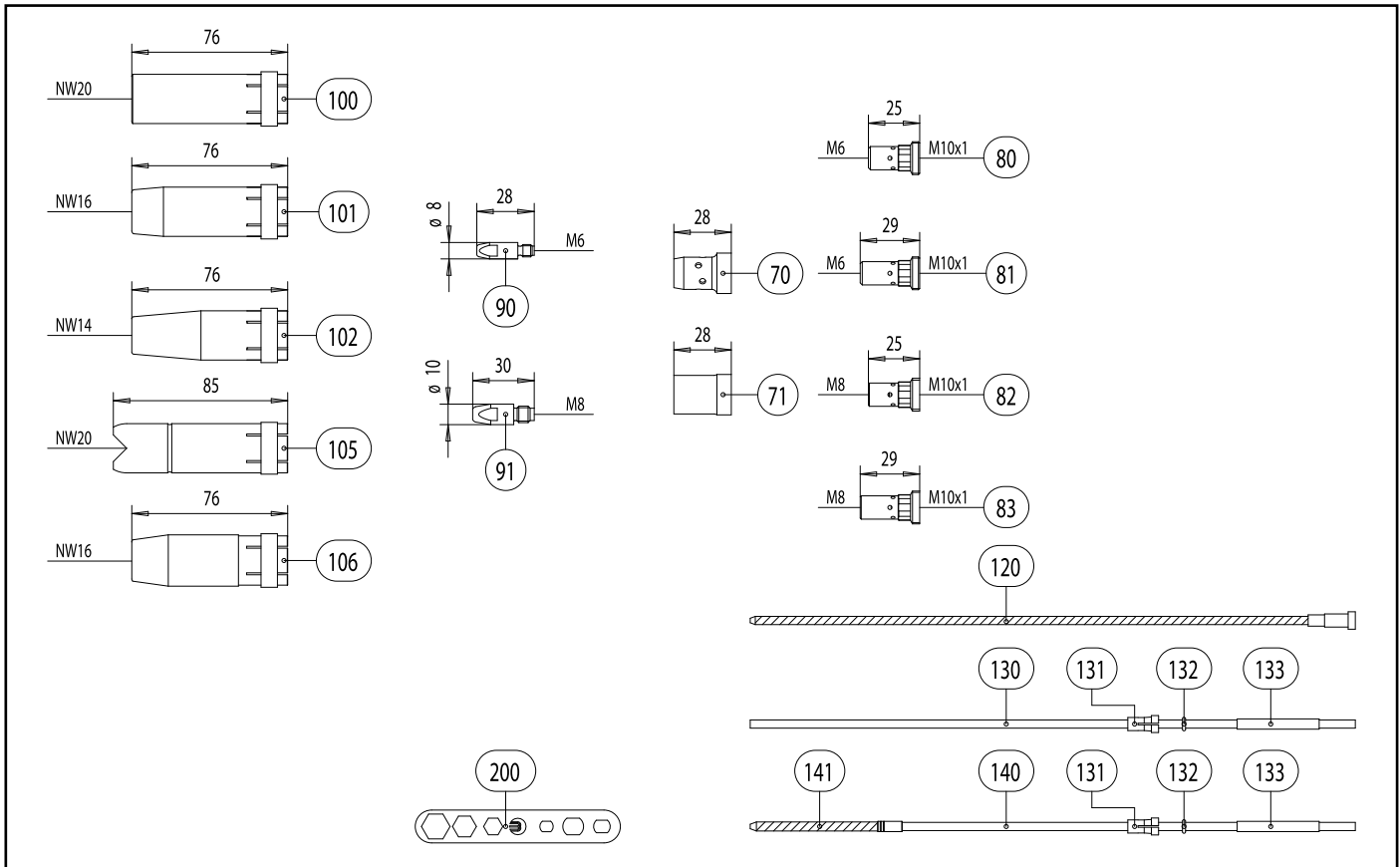
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (D-Version)</b>				
	MB 401 D; ERGO; central adaptor WZ-2; 3.00 m		033.0107	1017
	MB 401 D; ERGO; central adaptor WZ-2; 4.00 m		033.0108	1017
	MB 401 D; ERGO; central adaptor WZ-2; 5.00 m		033.0109	1017
<b>Torch</b>				
	MB 401; ERGO; central adaptor WZ-2; 3.00 m		030.0125	1017
	MB 401; ERGO; central adaptor WZ-2; 4.00 m		030.0126	1017
	MB 401; ERGO; central adaptor WZ-2; 5.00 m		030.0127	1017
<b>Swan neck (D-Version)</b>				
1	Swan neck MB 401 D; 50° bent		033.0001	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		115.0065	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		115.0070	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		115.0074	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 3.00 m		156.0019	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 4.00 m		156.0023	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 5.00 m		156.0026	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050

# MIG/MAG Welding Torches MB ERGO 401 / MB ERGO 401 D



Pos.	Description	Units	Part-No.	Product-group
48	Hose clamp $\varnothing$ 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; $\varnothing$ 5.5x1.5	40 m	109.0052	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black $\varnothing$ 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
51	Hose clamp $\varnothing$ 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / $\varnothing$ 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Outer cover with cable support $\varnothing$ 25x1.5 for 3.00 m		107.0079	1095
53	Outer cover with cable support $\varnothing$ 25x1.5 for 4.00 m		107.0044	1095
53	Outer cover with cable support $\varnothing$ 25x1.5 for 5.00 m		107.0080	1095
	Outer cover $\varnothing$ 25x1.5	40 m	107.0004	4050
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
	<b>Wear parts MB 401 / 401 D</b>			
70	Gas diffuser, white	10 Pcs.	030.0145	1032

# MIG/MAG Welding Torches MB ERGO 401 / MB ERGO 401 D



## Pos. Description

## Units

## Part-No.

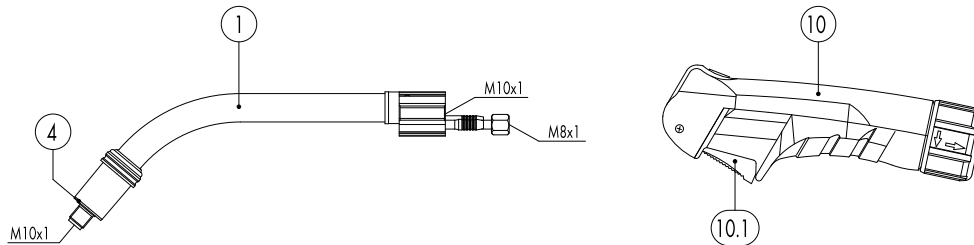
## Product-group

70	Gas diffuser, long life	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032
<b>Wear parts MB 401 D</b>				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB 401 / 401 D</b>				
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031

# MIG/MAG Welding Torches MB ERGO 401 / MB ERGO 401 D

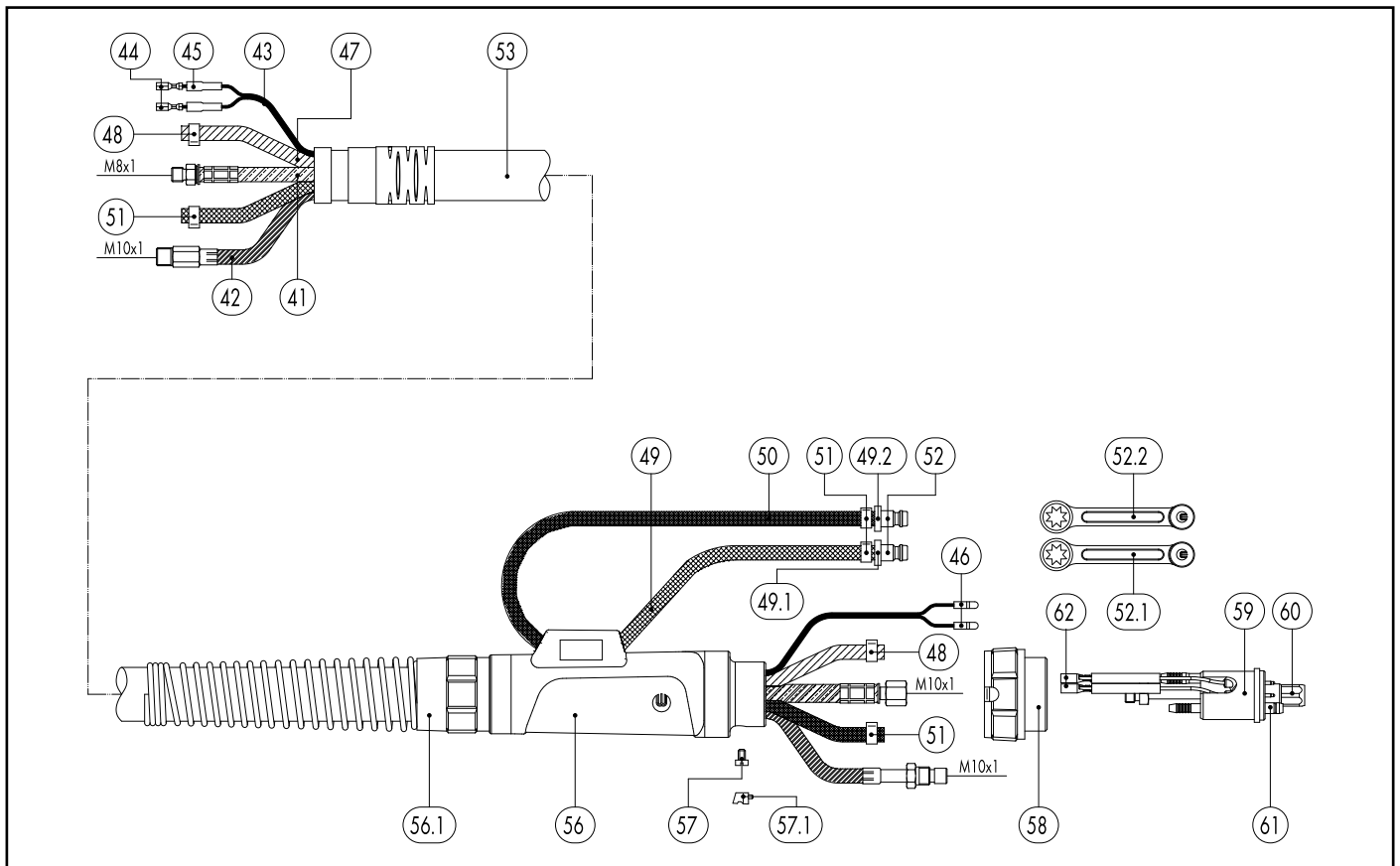
Pos.	Description	Units	Part-No.	Product-group
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 3.00 m		122.0005	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 4.00 m		122.0007	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 5.00 m		122.0009	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 5.00 m		122.0039	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# MIG/MAG Welding Torches MB ERGO 501 / 501 D



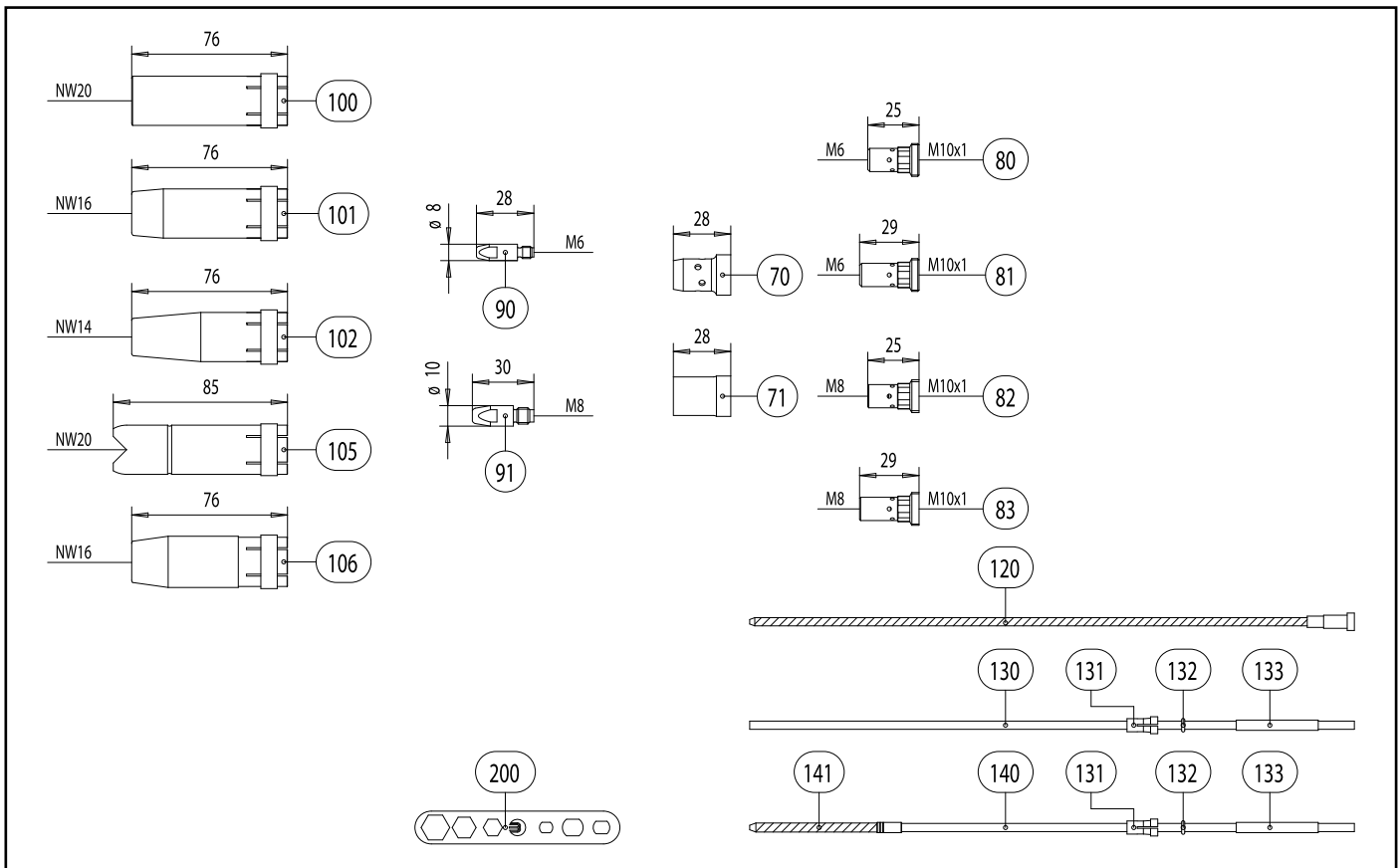
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (D-Version)</b>				
	MB 501 D; ERGO; central adaptor WZ-2; 3.00 m		034.0160	1017
	MB 501 D; ERGO; central adaptor WZ-2; 4.00 m		034.0161	1017
	MB 501 D; ERGO; central adaptor WZ-2; 5.00 m		034.0162	1017
<b>Torch</b>				
	MB 501; ERGO; central adaptor WZ-2; 3.00 m		032.0145	1017
	MB 501; ERGO; central adaptor WZ-2; 4.00 m		032.0146	1017
	MB 501; ERGO; central adaptor WZ-2; 5.00 m		032.0147	1017
<b>Swan neck (D-Version)</b>				
1	Swan neck MB 501 D; 50° bent		034.0001	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Swan neck</b>				
	Swan neck MB 501; 50° bent		032.0002	1009
<b>Handle ERGO</b>				
10	ERGO handle with trigger cpl.		180.0076	1095
10.1	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		115.0065	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		115.0070	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		115.0074	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 3.00 m		156.0019	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 4.00 m		156.0023	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 5.00 m		156.0026	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 3.00 m		155.0008	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 4.00 m		155.0009	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 5.00 m		155.0010	1012

# MIG/MAG Welding Torches MB ERGO 501 / 501 D



Pos.	Description	Units	Part-No.	Product-group
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; Ø 5.5x1.5	40 m	109.0052	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Outer cover with cable support Ø 25x1.5 for 3.00 m		107.0079	1095
53	Outer cover with cable support Ø 25x1.5 for 4.00 m		107.0044	1095
53	Outer cover with cable support Ø 25x1.5 for 5.00 m		107.0080	1095
	Outer cover Ø 25x1.5	40 m	107.0004	4050
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010

# MIG/MAG Welding Torches MB ERGO 501 / 501 D

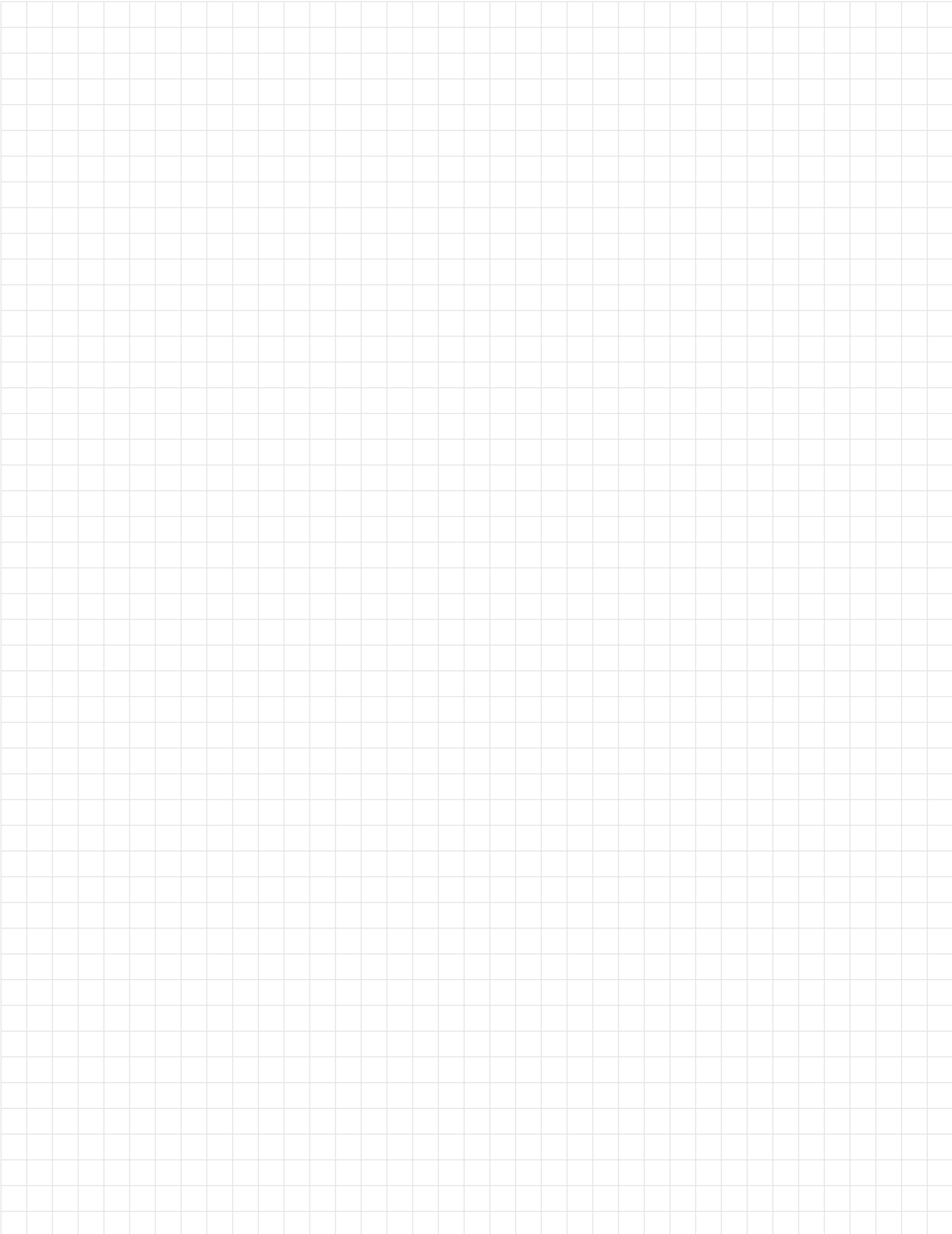


Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts MB 501 / 501 D</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032
<b>Wear parts MB 501 D</b>				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB 501 / 501 D</b>				
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 E-Cu; Ø 1.6 (8x28)	10 Pcs.	140.0555	1030
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 CuCrZr; Ø 1.6 (8x28)	10 Pcs.	140.0558	1031
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 E-Cu; Ø 1.6 for alu wire (8x28)	10 Pcs.	141.0020	1030



# MIG/MAG Welding Torches MB ERGO 501 / 501 D

Pos.	Description	Units	Part-No.	Product-group
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 5.00 m		122.0039	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 3.00 m		122.0056	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 4.00 m		122.0060	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 5.00 m		122.0063	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010



## MIG/MAG Welding Torches

# MB GRIP

## air and liquid cooled

### “Ergonomics & flexibility in perfection”

The MIG/MAG Torch series “MB GRIP”, in air and liquid cooled varieties is the finest solution of its kind. It combines progressive technology and quality with optimum ergonomics, enabling trouble-free operation for every application.

“GRIP” insert and ball joint in the handle guarantees high grip safety as well as optimal handling. All torches are carefully designed to provide comfortable and precise operation

- Ergonomic short handle with “GRIP” insert – for best accessibility
- “GRIP” soft components on the handle and thumb rest – positive handling even in extreme conditions
- Short ball joint with optimum movement radius – perfect handling
- Optimum cooling of the torch – extending torch life
- Bikox® R air cooled torches – high flexibility even at low temperatures, extremely UV resistant, considerably increased temperature resistance and tensile strength
- Time saving torch change over due to the ABICOR BINZEL central connector

### Technical data (EN 60 974-7)

#### MIG/MAG Welding Torches “MB GRIP” (air cooled)

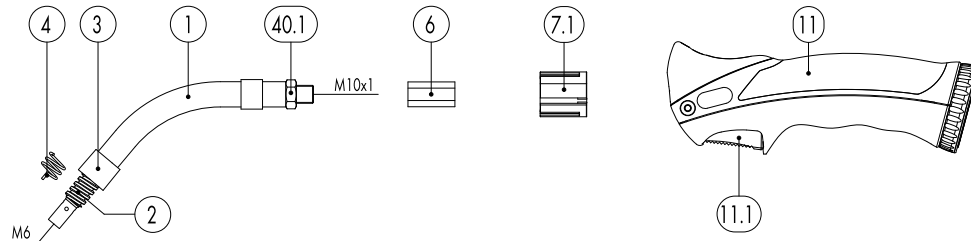
Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>MB GRIP 15 AK</b>	180	150	60	0.6-1.0
<b>MB GRIP 24 KD</b>	250	220	60	0.8-1.2
<b>MB GRIP 25 AK</b>	230	200	60	0.8-1.2
<b>MB GRIP 26 KD</b>	270	240	60	0.8-1.2
<b>MB GRIP 36 KD</b>	320	290	60	0.8-1.2

#### MIG/MAG Welding Torches “MB GRIP” (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>MB GRIP 240 D</b>	300	270	100	0.8-1.2
<b>MB GRIP 401</b>	450	400	100	0.8-1.2
<b>MB GRIP 401 D</b>	400	350	100	0.8-1.2
<b>MB GRIP 501</b>	550	500	100	1.0-1.6
<b>MB GRIP 501 D</b>	500	450	100	1.0-1.6

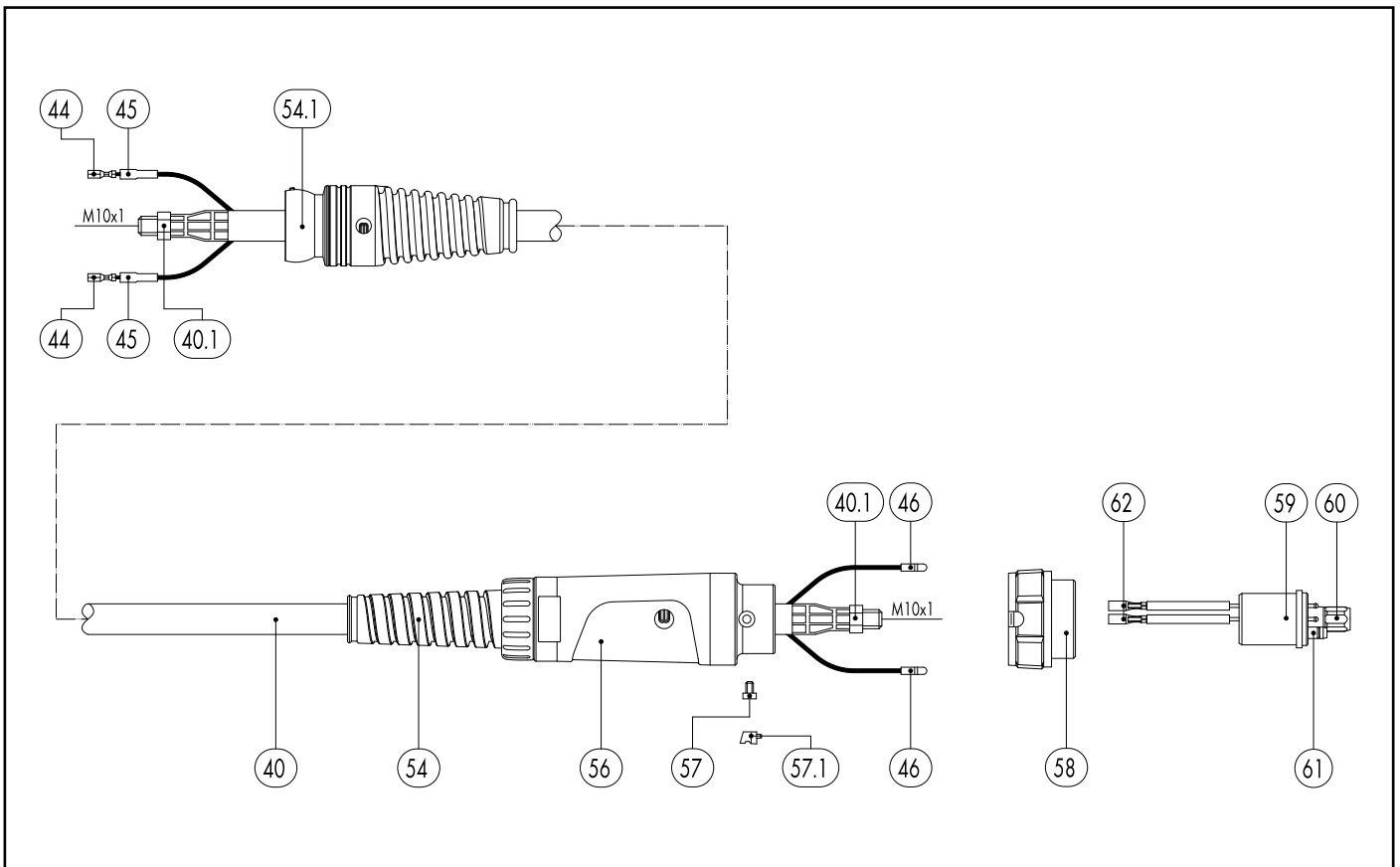
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# MIG/MAG Welding Torches MB GRIP 15 AK



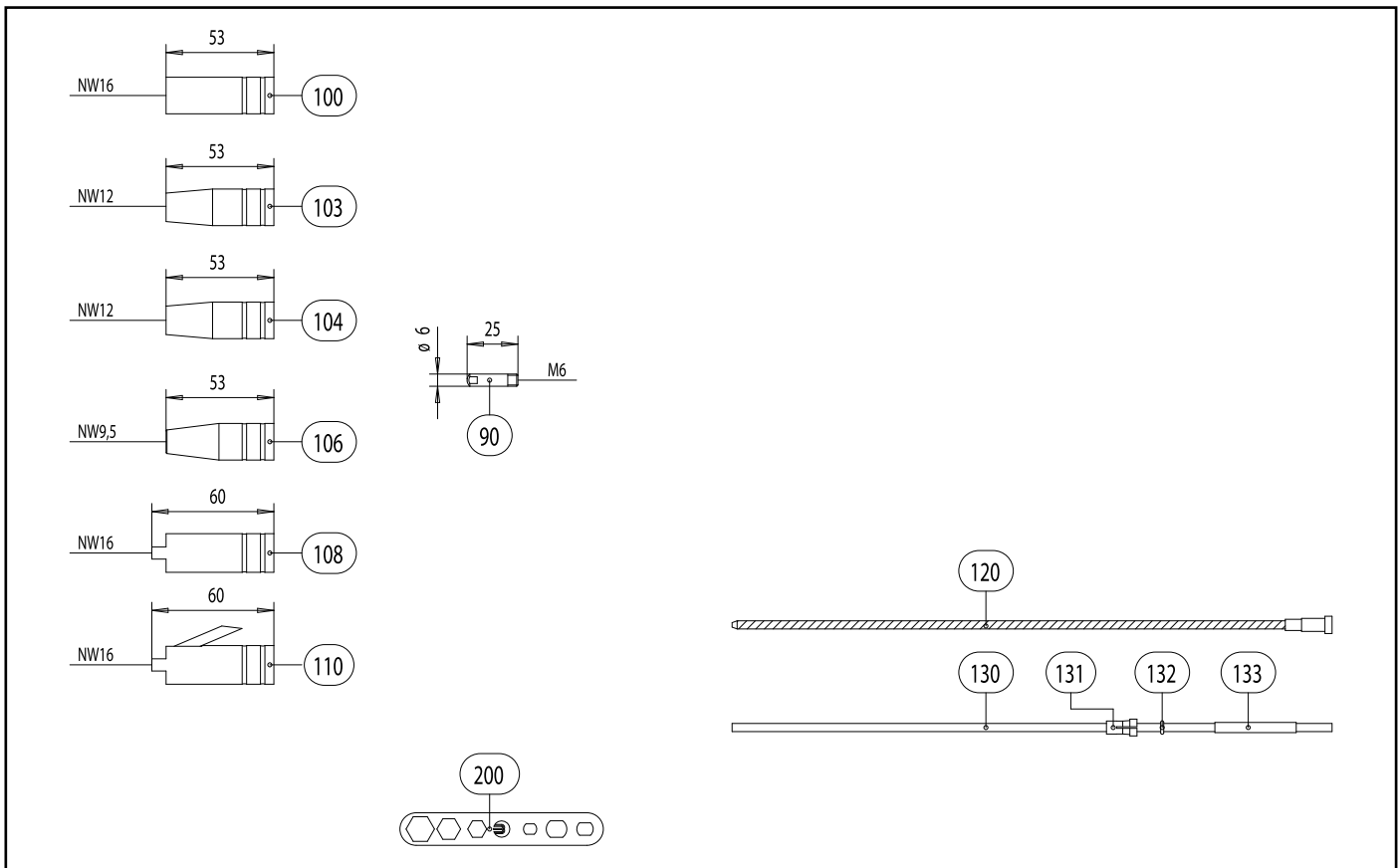
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 15 AK GRIP; central adaptor KZ-2; 3.00 m		002.0604	1008
	MB 15 AK GRIP; central adaptor KZ-2; 4.00 m		002.0605	1008
	MB 15 AK GRIP; central adaptor KZ-2; 5.00 m		002.0606	1008
<b>Swan neck</b>				
1	Swan neck MB 15 AK; 50° bent		002.0009	1007
	Swan neck MB 15 AK; flexible		002.0029	1007
2	Gas nozzle holder		002.0078	1095
3	Head insulator	10 Pcs.	002.0050	1095
4	Nozzle spring	100 Pcs.	002.0058	1095
6	Torch body brass		400.0114	1095
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 3.00 m		160.D520	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 4.00 m		160.D521	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 5.00 m		160.D522	1511
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable protection MB GRIP (air cooled)		400.1395.1	1095

# MIG/MAG Welding Torches MB GRIP 15 AK



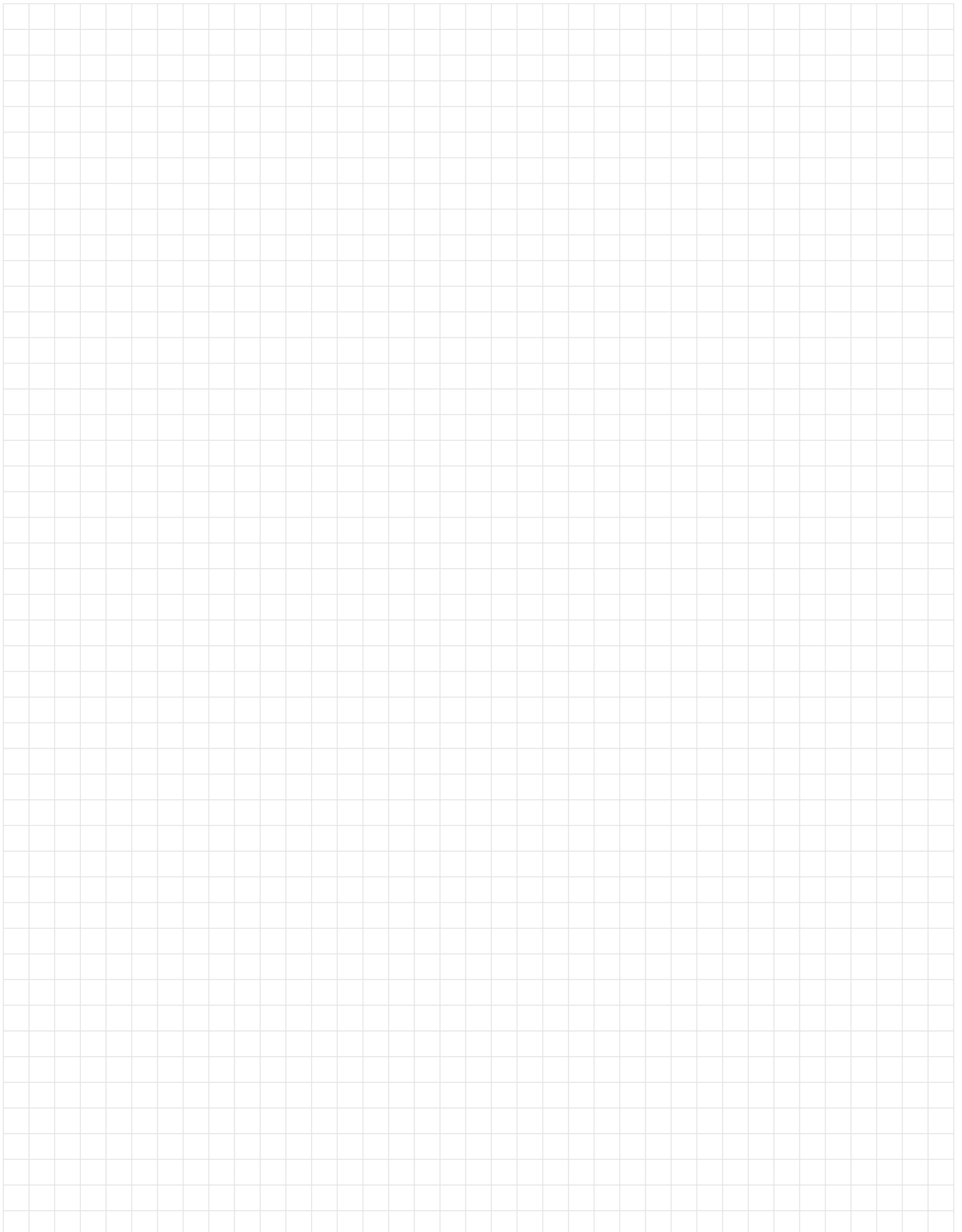
Pos.	Description	Units	Part-No.	Product-group
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
90	Contact tip M6 E-Cu; Ø 0.6 (6x25)	10 Pcs.	140.0008	1030
90	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
90	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
90	Contact tip M6 CuCrZr; Ø 0.6 (6x25)	10 Pcs.	140.0855	1031
90	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle; cylindrical; ND Ø 16.0	10 Pcs.	145.0041	1036
103	Gas nozzle; conical; ND Ø 12.0	10 Pcs.	145.0075	1036
104	Gas nozzle; conical; with extended insulation; ND Ø 12.0	10 Pcs.	145.0107	1036
106	Gas nozzle; tapered; ND Ø 9.5	10 Pcs.	145.0123	1036
108	Spot weld gas nozzle; ND Ø 16.0	10 Pcs.	145.0168	1036
110	Spot weld gas nozzle for pin-welding; ND Ø 16.0	10 Pcs.	145.0186	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034

# MIG/MAG Welding Torches MB GRIP 15 AK

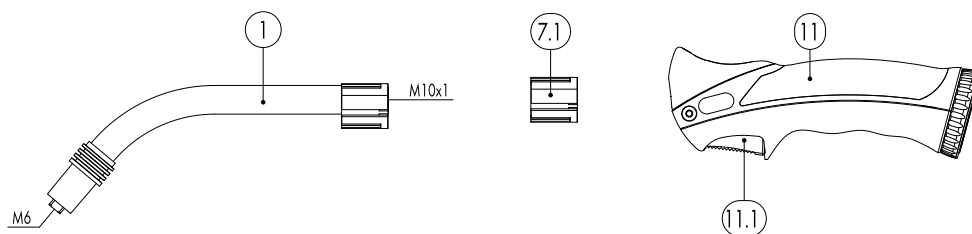


Pos.	Description	Units	Part-No.	Product-group
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard		191.0001	9010

# Notes



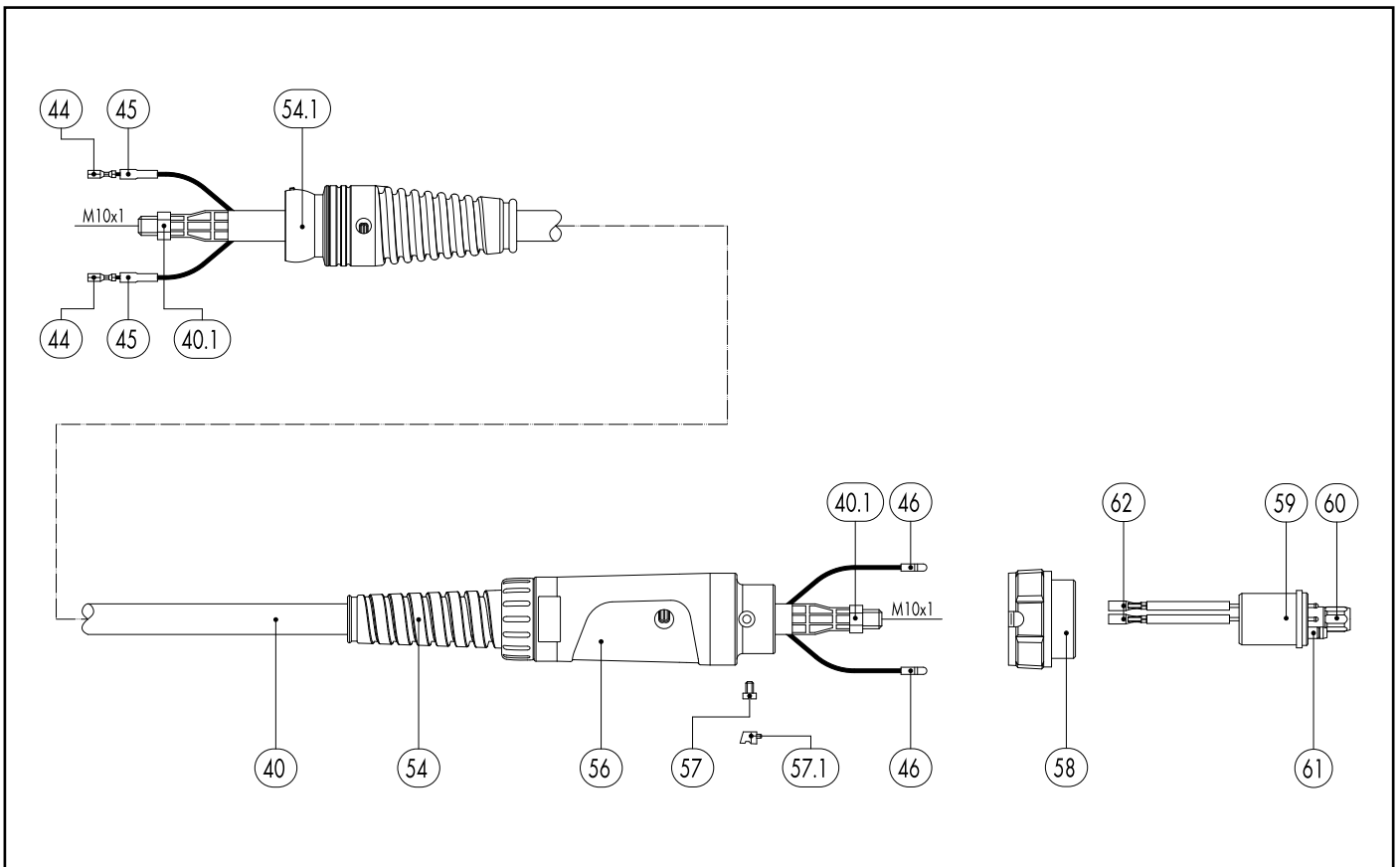
# MIG/MAG Welding Torches MB GRIP 24 KD



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 24 KD GRIP; central adaptor KZ-2; 3.00 m		012.0251	1008
	MB 24 KD GRIP; central adaptor KZ-2; 4.00 m		012.0252	1008
	MB 24 KD GRIP; central adaptor KZ-2; 5.00 m		012.0253	1008
<b>Swan neck</b>				
1	Swan neck MB 24 KD; 50° bent		012.0001	1007
1.3	Swan neck AUT 24 KD; straight		912.0001	1050
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 3.00 m		160.D430	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 4.00 m		160.D431	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 5.00 m		160.D432	1511
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable protection MB GRIP (air cooled)		400.1395.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010

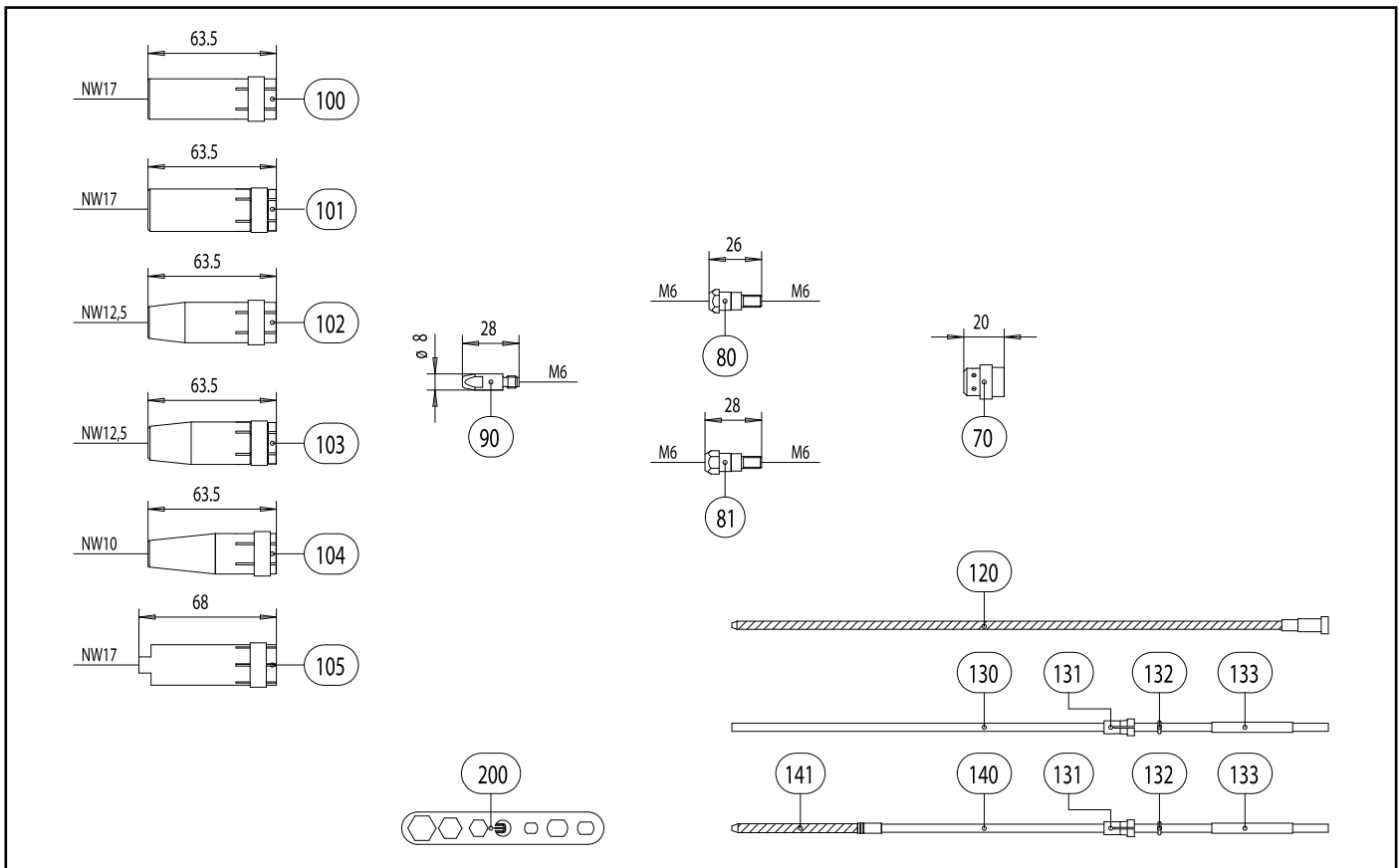


# MIG/MAG Welding Torches MB GRIP 24 KD



Pos.	Description	Units	Part-No.	Product-group
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036

# MIG/MAG Welding Torches MB GRIP 24 KD

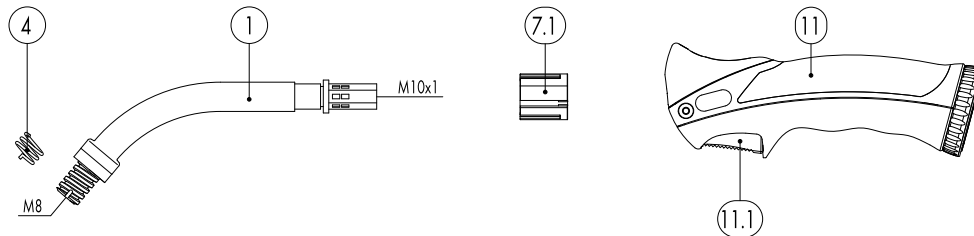


## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095

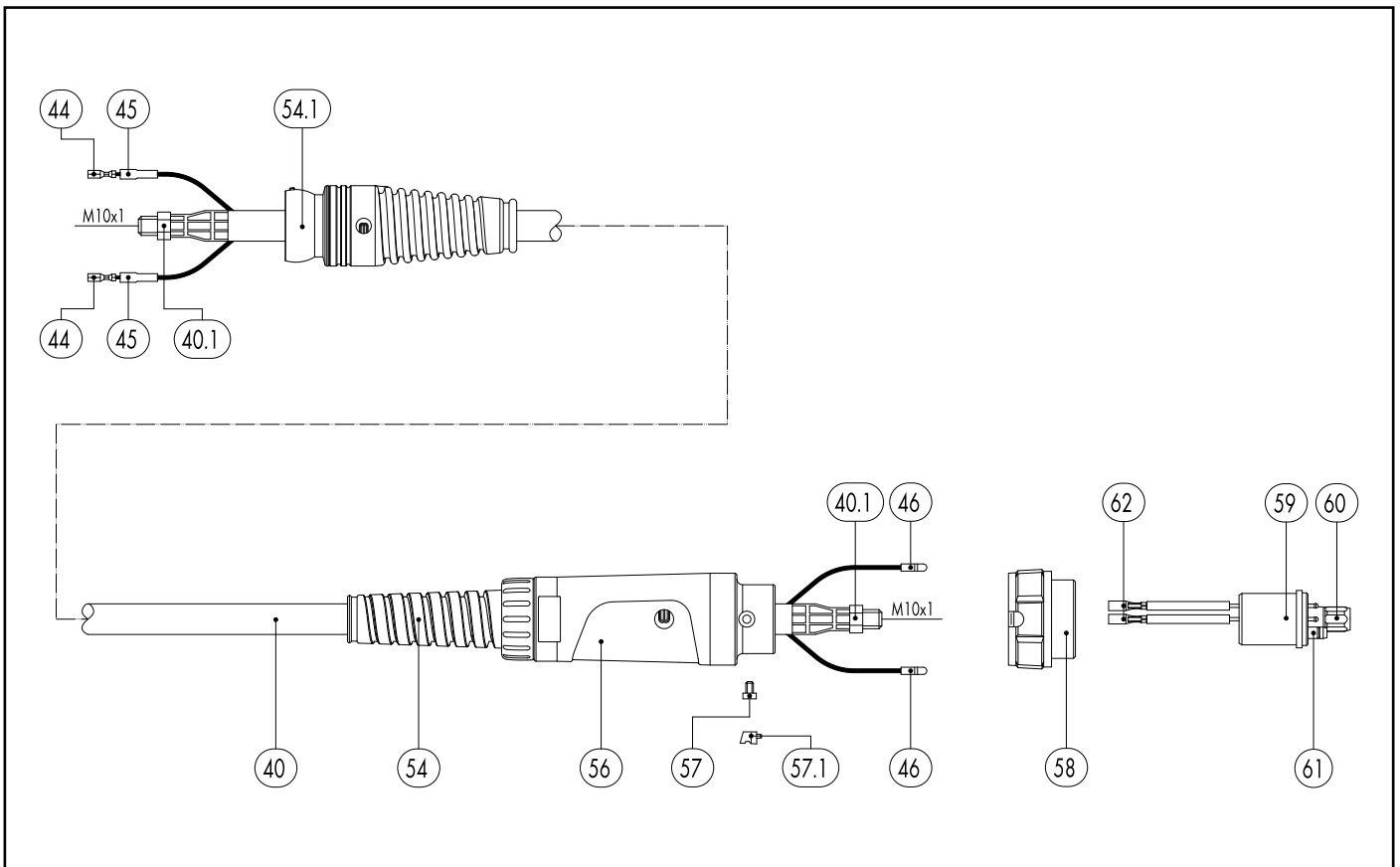


# MIG/MAG Welding Torches MB GRIP 25 AK



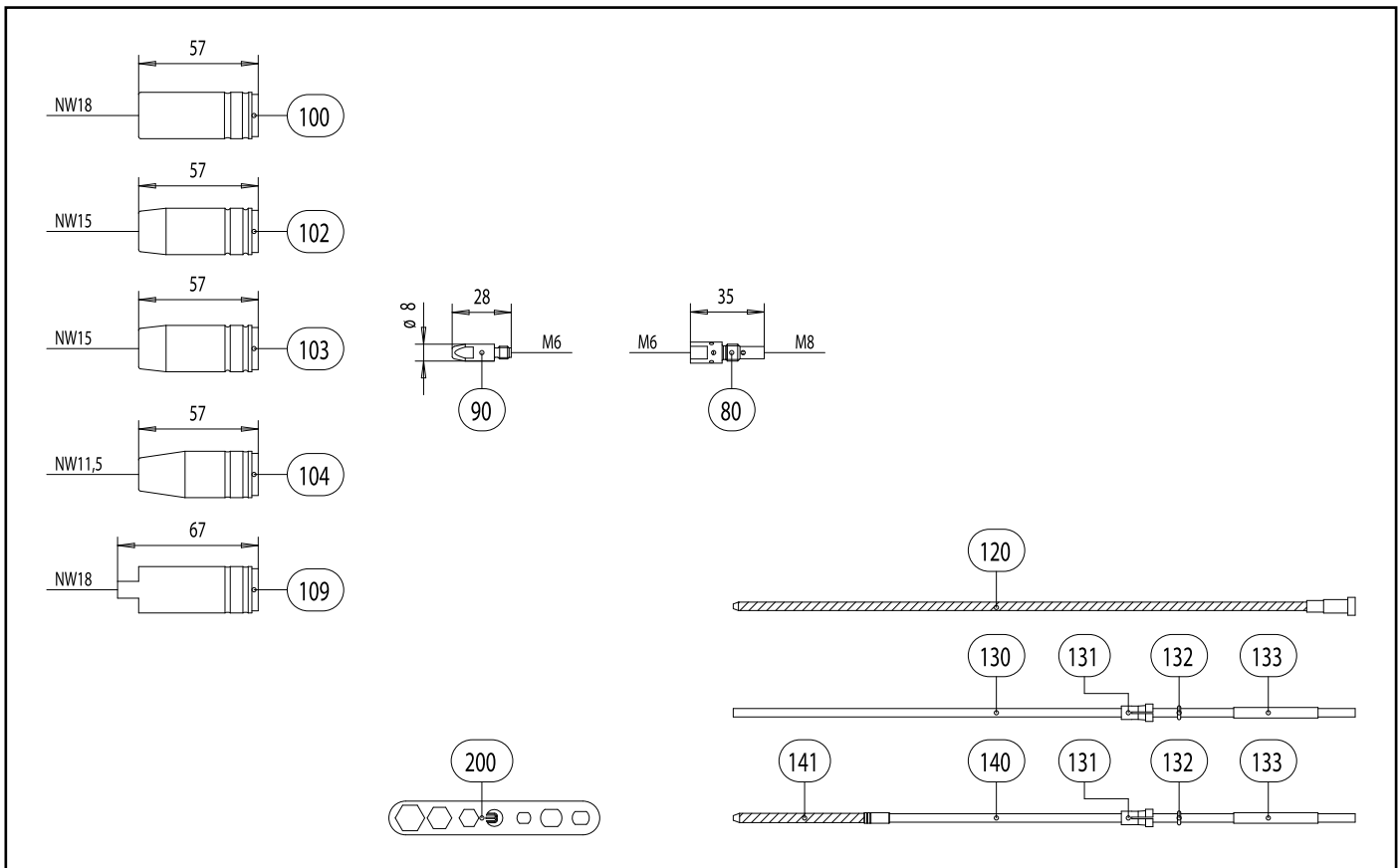
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 25 AK GRIP; central adaptor KZ-2; 3.00 m		004.0510	1008
	MB 25 AK GRIP; central adaptor KZ-2; 4.00 m		004.0511	1008
	MB 25 AK GRIP; central adaptor KZ-2; 5.00 m		004.0512	1008
<b>Swan neck</b>				
1	Swan neck MB 25 AK; 50° bent		004.0012	1007
	Swan neck MB 25 AK; flexible		004.0032	1007
4	Nozzle spring	100 Pcs.	003.0013	1095
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® R-power cable MB GRIP / ABIMIG®, R5 for 3.00 m		160.D427	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R5 for 4.00 m		160.D428	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R5 for 5.00 m		160.D429	1511
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable protection MB GRIP (air cooled)		400.1395.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010

# MIG/MAG Welding Torches MB GRIP 25 AK



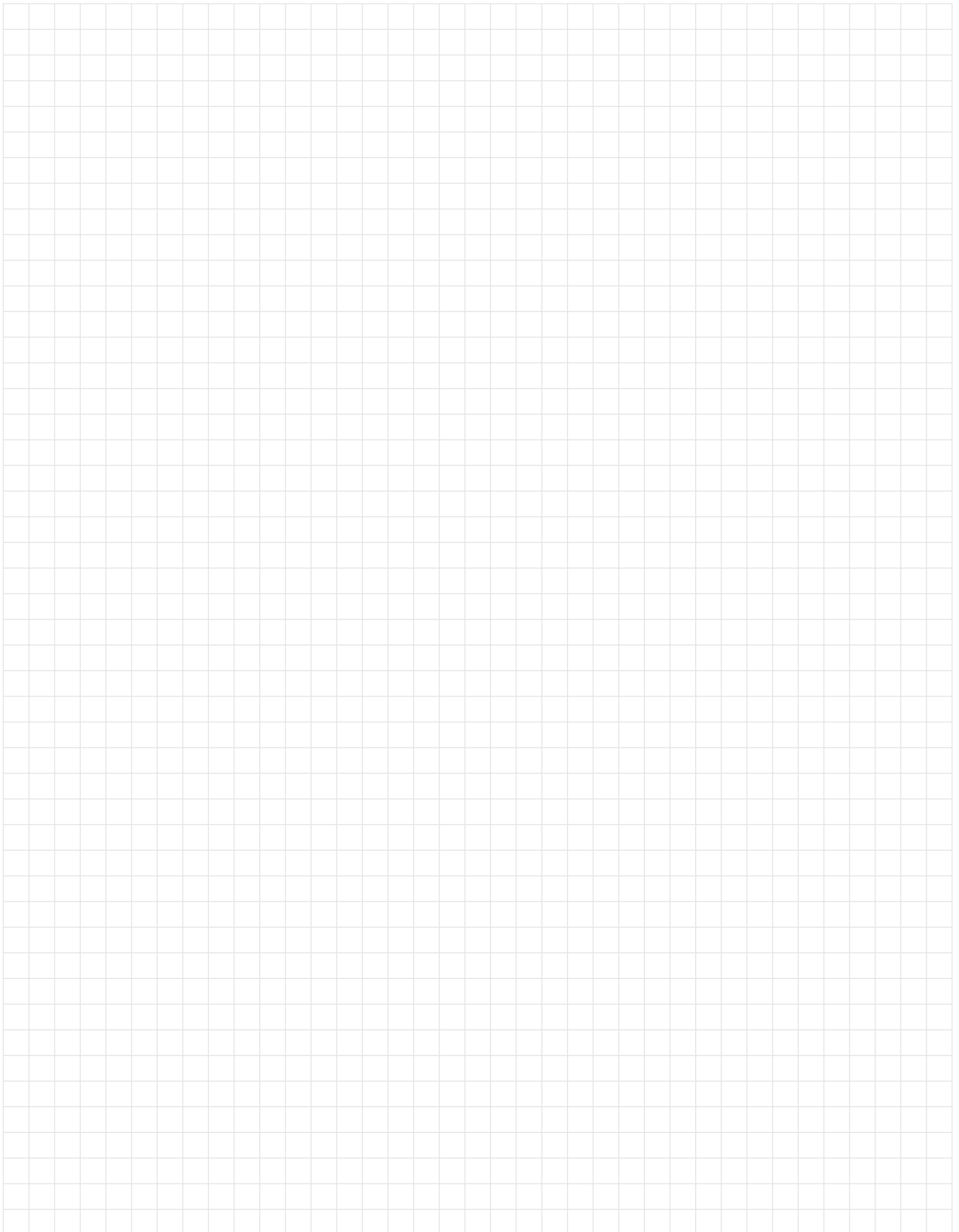
Pos.	Description	Units	Part-No.	Product-group
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M6; 35.0 mm	10 Pcs.	142.0001	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 18.0	10 Pcs.	145.0042	1036
102	Gas nozzle; conical; ND Ø 15.0	10 Pcs.	145.0076	1036
103	Gas nozzle; conical; with extended insulation; ND Ø 15.0	10 Pcs.	145.0100	1036
104	Gas nozzle; tapered; ND Ø 11.5	10 Pcs.	145.0124	1036
109	Spot weld gas nozzle; ND Ø 18.0	10 Pcs.	145.0169	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0012	1034

# MIG/MAG Welding Torches MB GRIP 25 AK

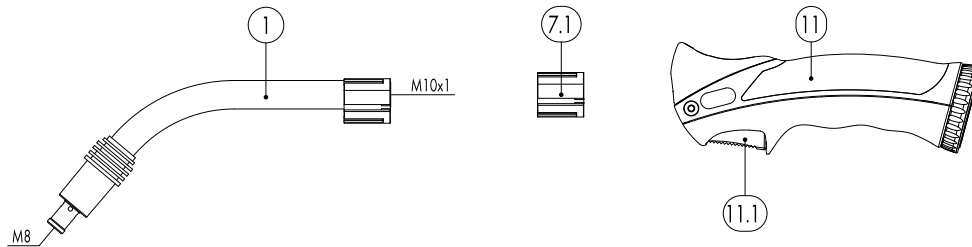


Pos.	Description	Units	Part-No.	Product-group
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# Notes



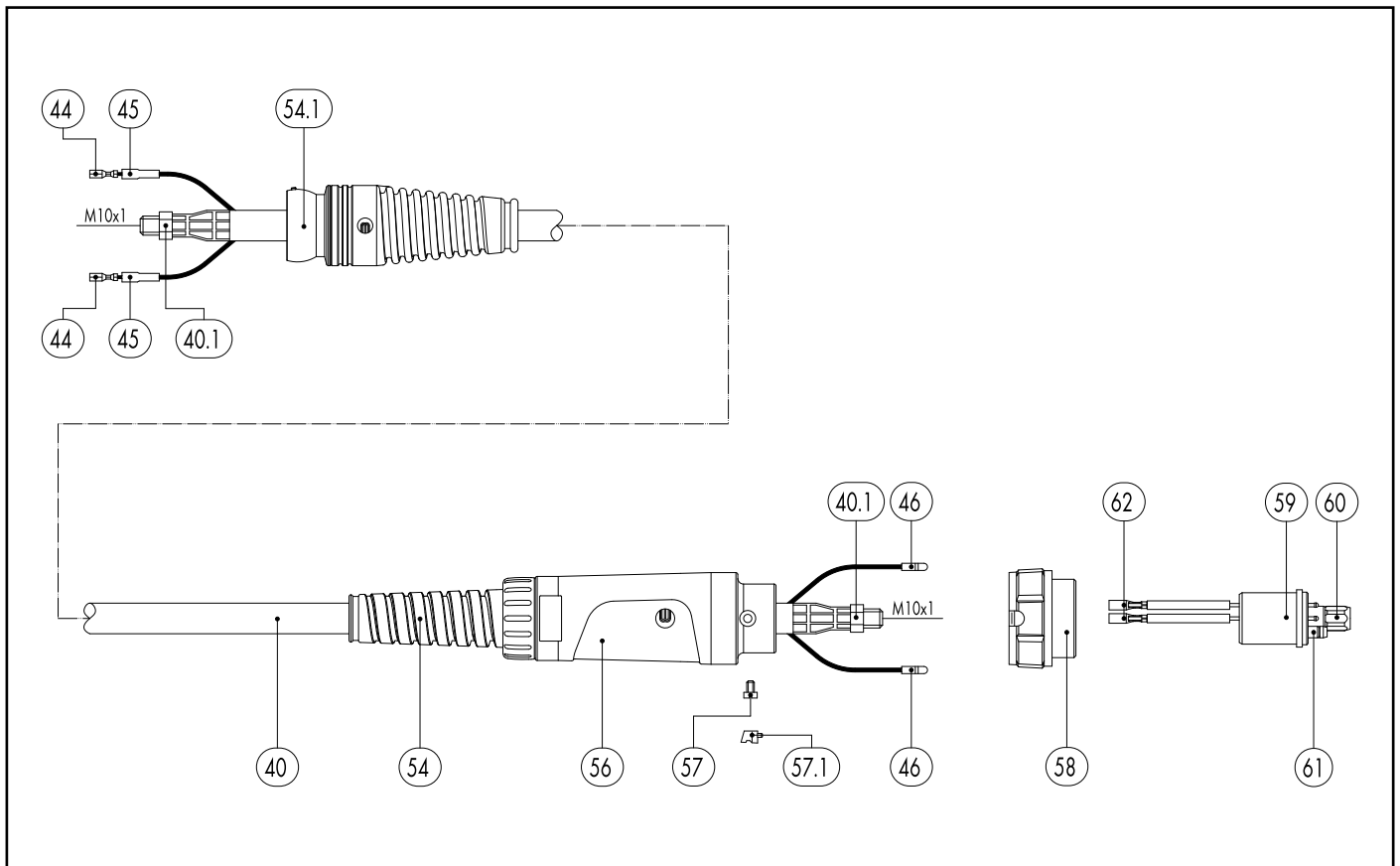
# MIG/MAG Welding Torches MB GRIP 26 KD



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 26 KD GRIP; central adaptor KZ-2; 3.00 m		018.0146	1016
	MB 26 KD GRIP; central adaptor KZ-2; 4.00 m		018.0147	1016
	MB 26 KD GRIP; central adaptor KZ-2; 5.00 m		018.0148	1016
<b>Swan neck</b>				
1	Swan neck MB 26 KD; 50° bent		018.0001	1014
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 3.00 m		160.D430	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 4.00 m		160.D431	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 5.00 m		160.D432	1511
	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable protection MB GRIP (air cooled)		400.1395.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

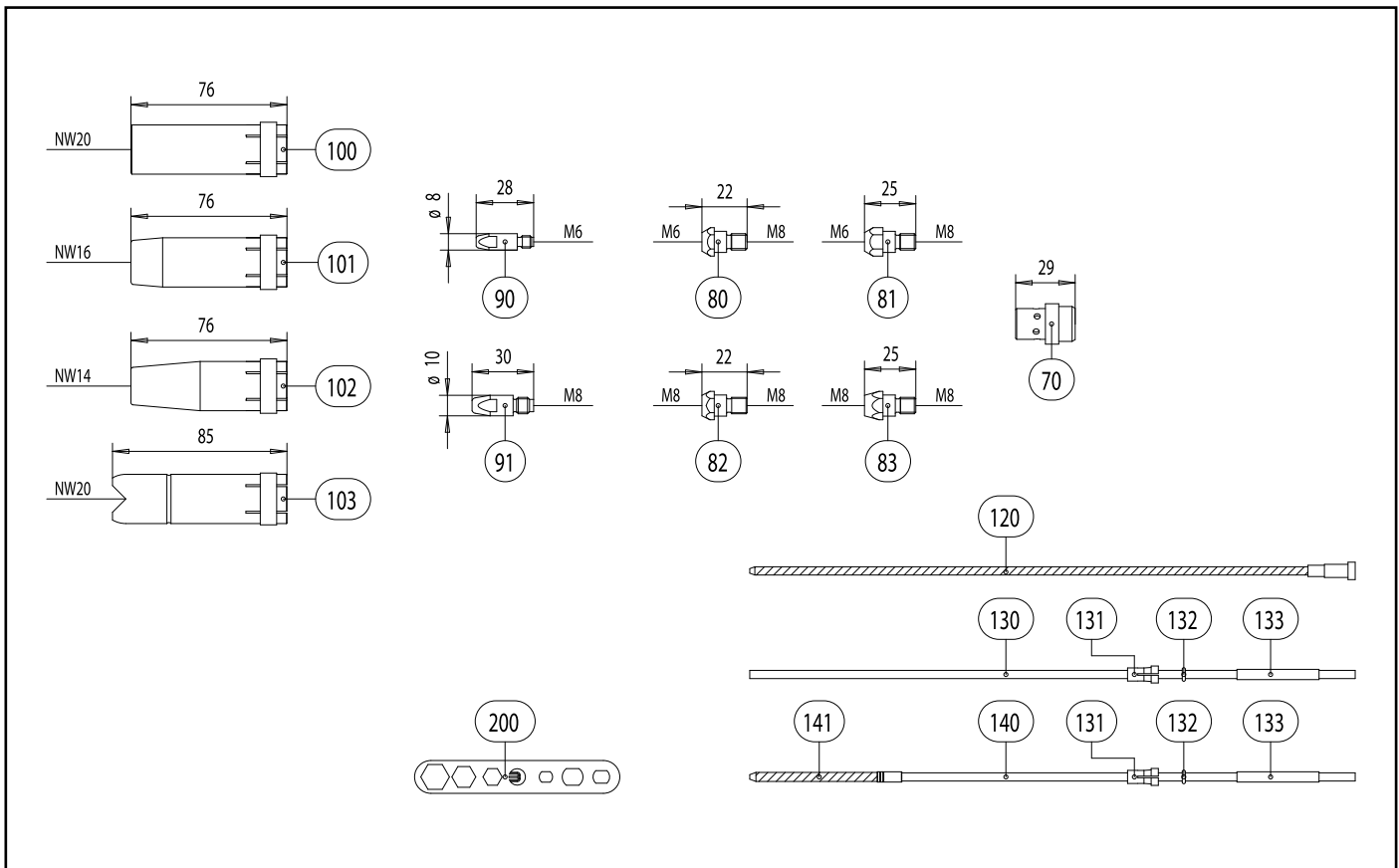


# MIG/MAG Welding Torches MB GRIP 26 KD



Pos.	Description	Units	Part-No.	Product-group
59	Central adaptor KZ-2 without control leads		501.0028	1095
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	018.0116	1032
70	Gas diffuser, ceramic	10 Pcs.	018.0141	1032
80	Contact tip holder M6; 22.0 mm (short)	10 Pcs.	142.0007	1033
81	Contact tip holder M6; 25.0 mm (long)	10 Pcs.	142.0012	1033
82	Contact tip holder M8; 22.0 mm (short)	10 Pcs.	142.0082	1033
83	Contact tip holder M8; 25.0 mm (long)	10 Pcs.	142.0026	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031

# MIG/MAG Welding Torches MB GRIP 26 KD



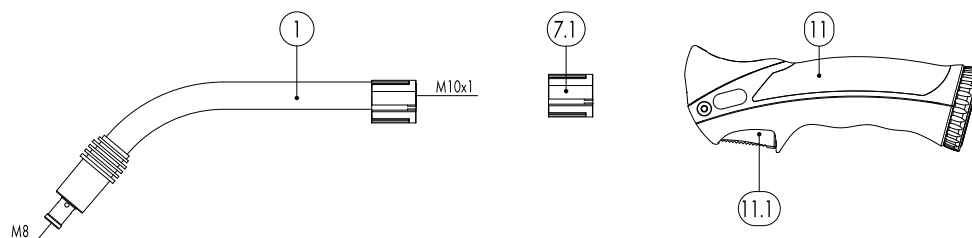
## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
103	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034

# MIG/MAG Welding Torches MB GRIP 26 KD

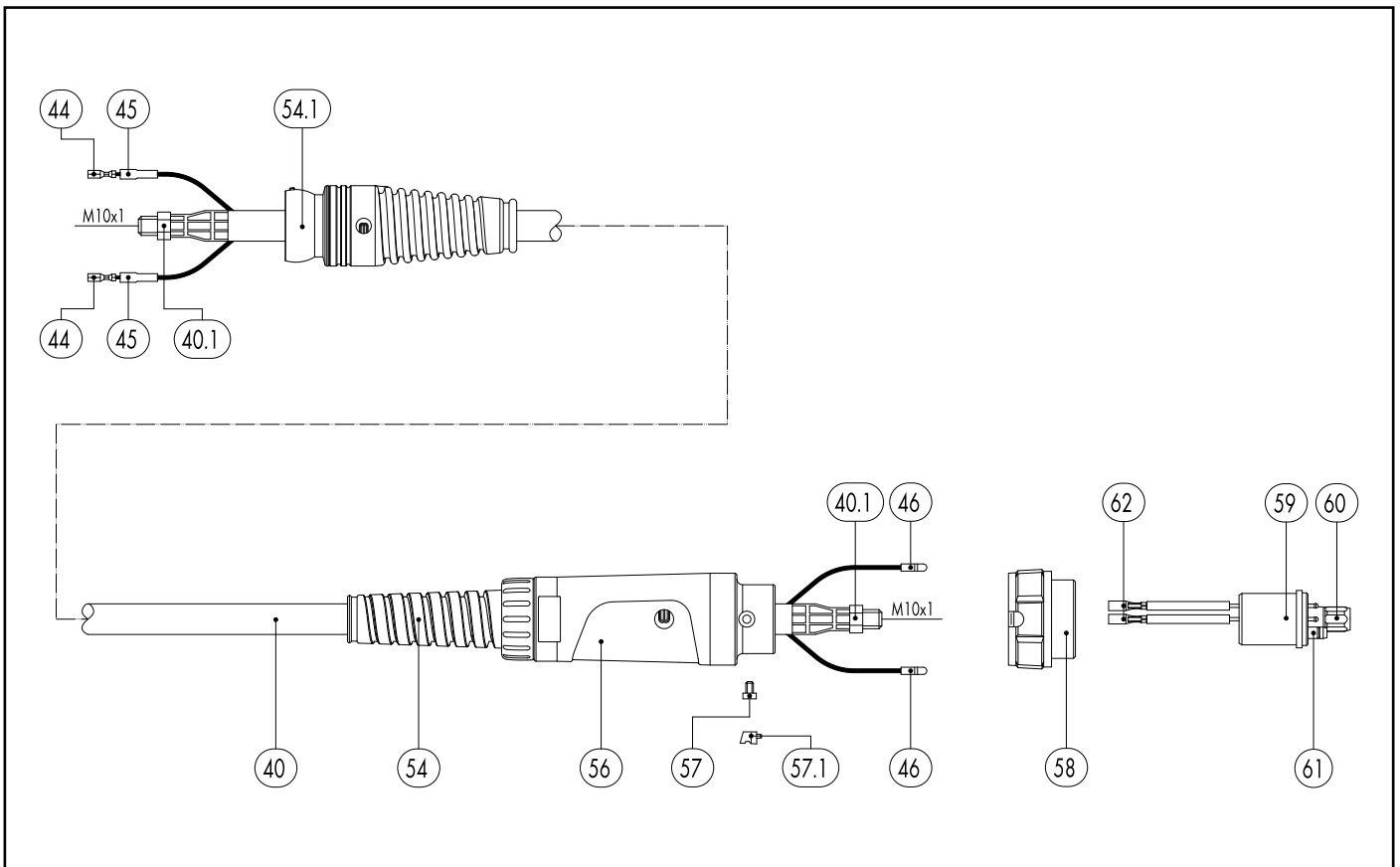
Pos.	Description	Units	Part-No.	Product-group
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# MIG/MAG Welding Torches MB GRIP 36 KD



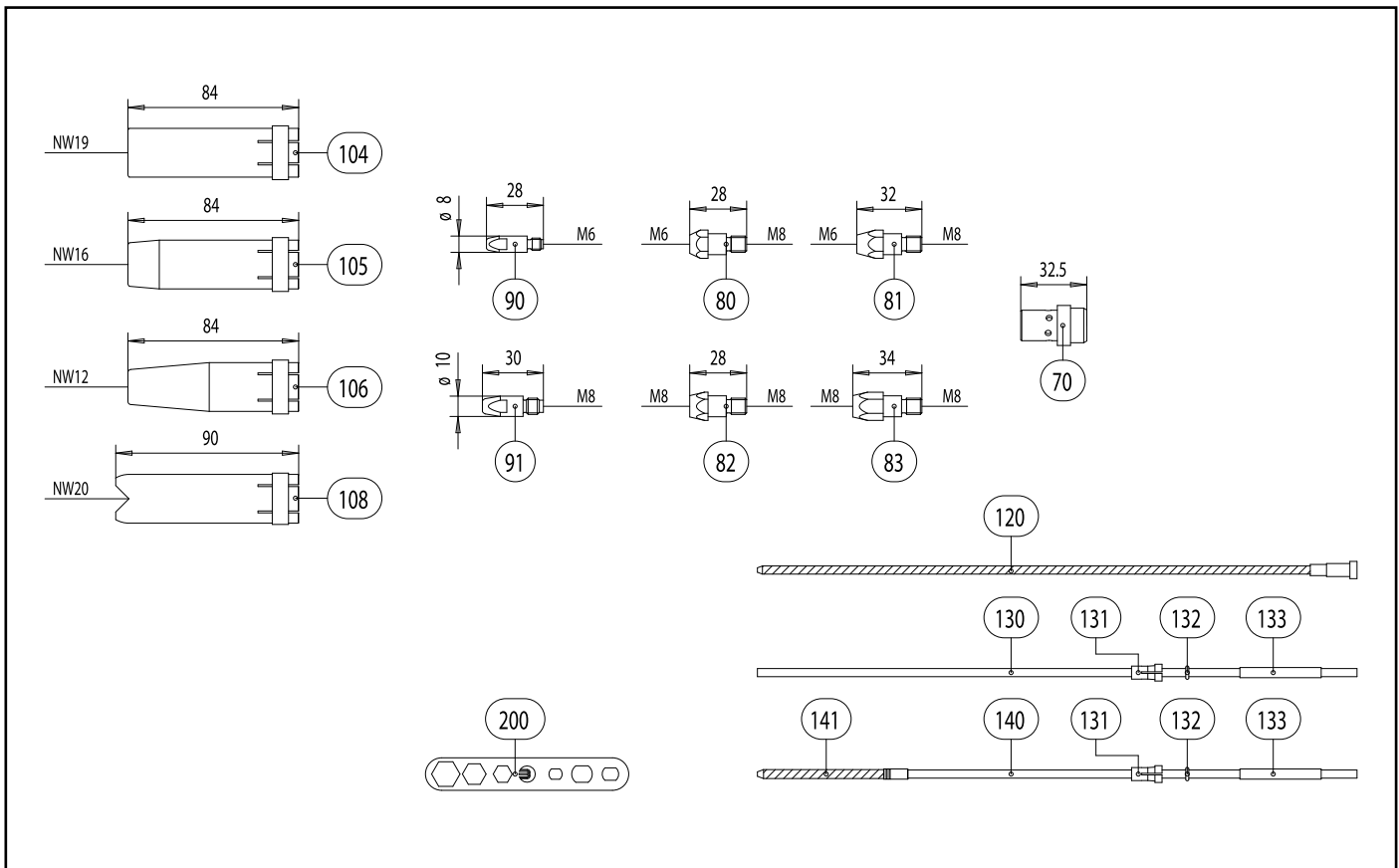
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 36 KD GRIP; central adaptor KZ-2; 3.00 m		014.0334	1016
	MB 36 KD GRIP; central adaptor KZ-2; 4.00 m		014.0335	1016
	MB 36 KD GRIP; central adaptor KZ-2; 5.00 m		014.0336	1016
<b>Swan neck</b>				
1	Swan neck MB 36 KD; 50° bent		014.0006	1014
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® R-power cable MB GRIP / ABIMIG®, R7 for 3.00 m		160.D434	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R7 for 4.00 m		160.D435	1511
40	Bikox® R-power cable MB GRIP / ABIMIG®, R7 for 5.00 m		160.D436	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable protection MB GRIP (air cooled)		400.1395.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010

# MIG/MAG Welding Torches MB GRIP 36 KD



Pos.	Description	Units	Part-No.	Product-group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	014.0261	1032
70	Gas diffuser, long life	10 Pcs.	014.0026	1032
70	Gas diffuser, ceramic	10 Pcs.	014.0023	1032
80	Contact tip holder M6; 28.0 mm (short)	10 Pcs.	142.0005	1033
81	Contact tip holder M6; 32.0 mm (long)	10 Pcs.	142.0011	1033
82	Contact tip holder M8; 28.0 mm (short)	10 Pcs.	142.0020	1033
83	Contact tip holder M8; 34.0 mm (long)	10 Pcs.	142.0024	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031

# MIG/MAG Welding Torches MB GRIP 36 KD



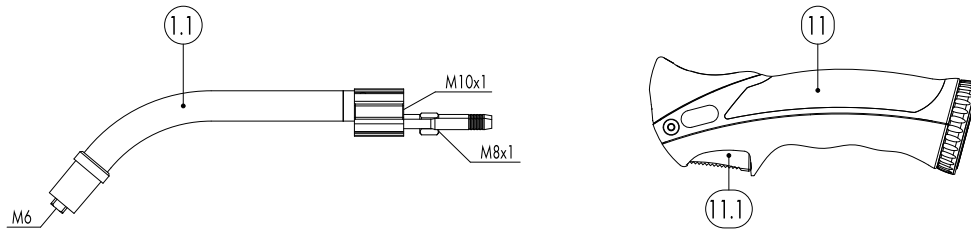
## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
104	Gas nozzle; cylindrical; ND Ø 19.0	10 Pcs.	145.0045	1037
105	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0078	1037
106	Gas nozzle; tapered; ND Ø 12.0	10 Pcs.	145.0126	1037
108	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0172	1037
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034

# MIG/MAG Welding Torches MB GRIP 36 KD

Pos.	Description	Units	Part-No.	Product-group
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at $\varnothing$ 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to $\varnothing$ 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire $\varnothing$ 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire $\varnothing$ 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire $\varnothing$ 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

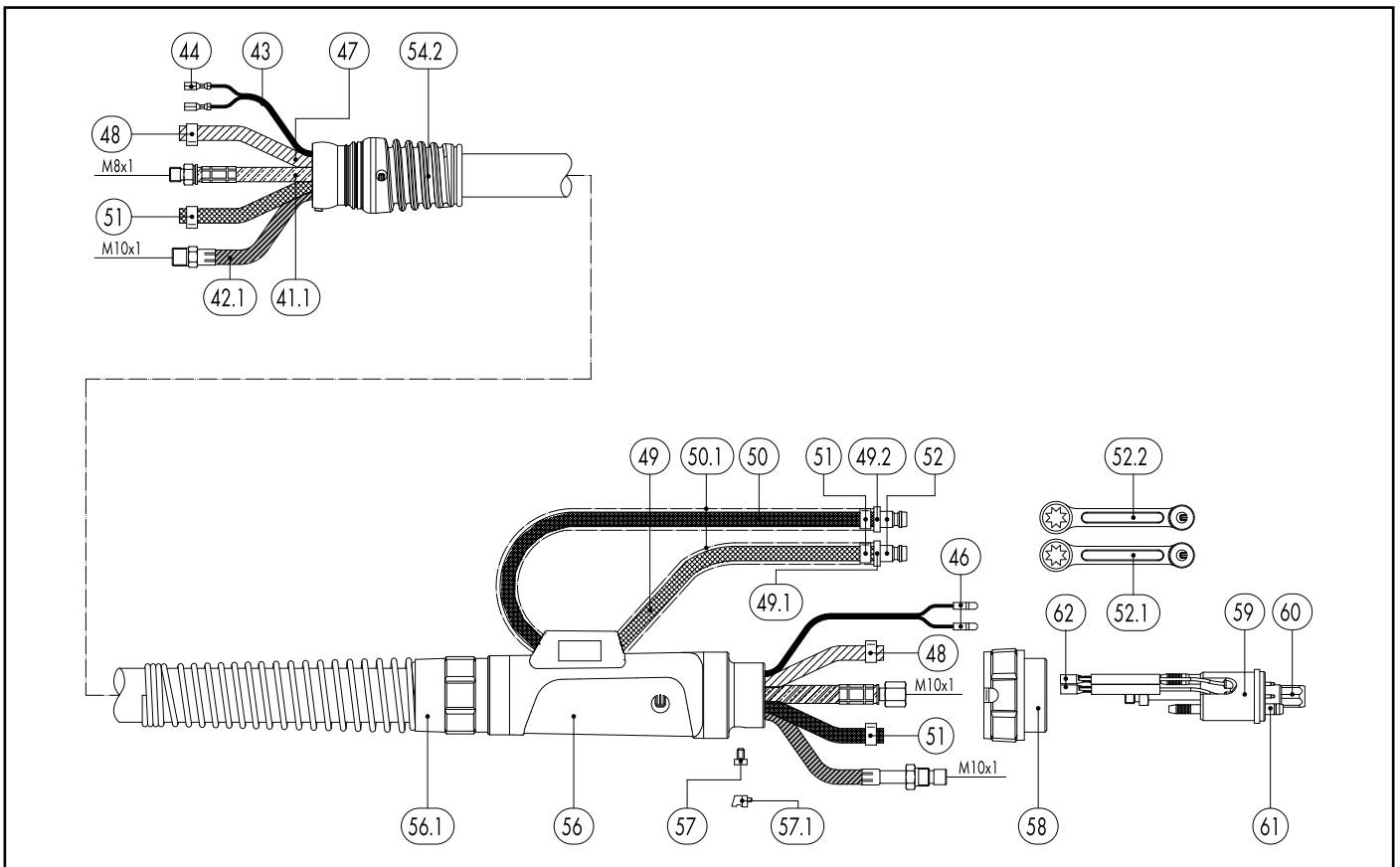
# MIG/MAG Welding Torches MB GRIP 240 D



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	MB 240 D GRIP; central adaptor WZ-2; 3.00 m		023.0225	1018
	MB 240 D GRIP; central adaptor WZ-2; 4.00 m		023.0226	1018
	MB 240 D GRIP; central adaptor WZ-2; 5.00 m		023.0227	1018
<b>Swan neck</b>				
1.1	Swan neck MB GRIP 240 D; 50° bent		023.0228	1009
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		115.0065	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		115.0070	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		115.0074	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 3.00 m		156.0275	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 4.00 m		156.0276	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 5.00 m		156.0277	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; Ø 5.5x1.5	40 m	109.0052	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010

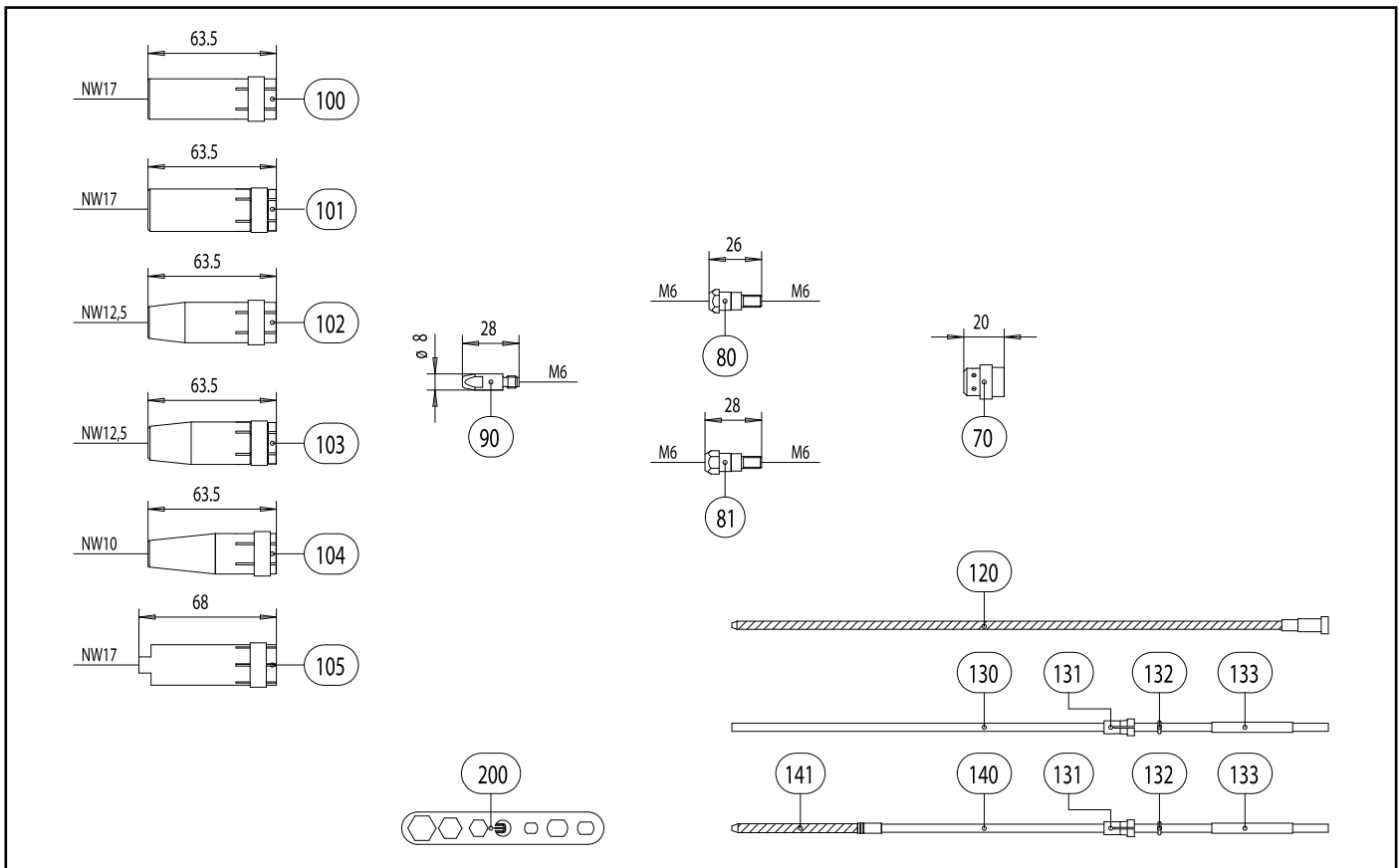


# MIG/MAG Welding Torches MB GRIP 240 D



Pos.	Description	Units	Part-No.	Product-group
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
	Outer cover fabric Ø 25x1.5	40 m	107.0004	4050
54.2	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		400.1392.1	1095
	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		400.0790	1095
56	Connection housing large cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031

# MIG/MAG Welding Torches MB GRIP 240 D



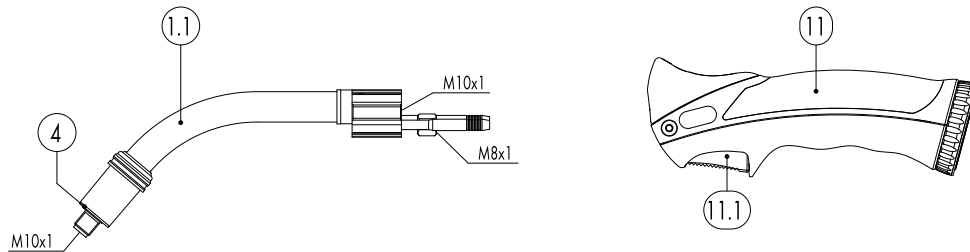
## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 3.00 m		122.0005	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 4.00 m		122.0007	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 5.00 m		122.0009	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 5.00 m		122.0039	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034

# MIG/MAG Welding Torches MB GRIP 240 D

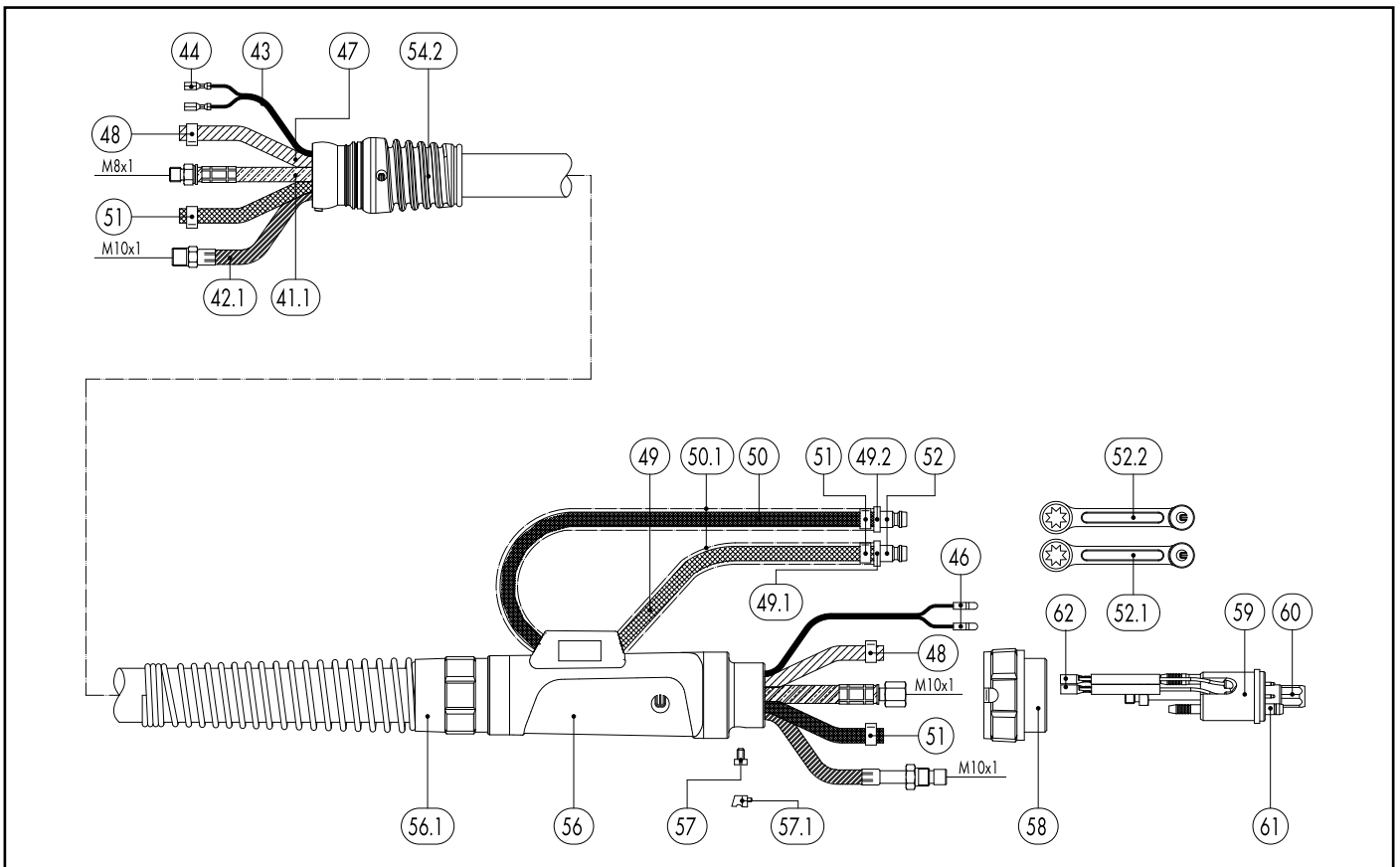
Pos.	Description	Units	Part-No.	Product-group
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# MIG/MAG Welding Torches MB GRIP 401 / 401 D



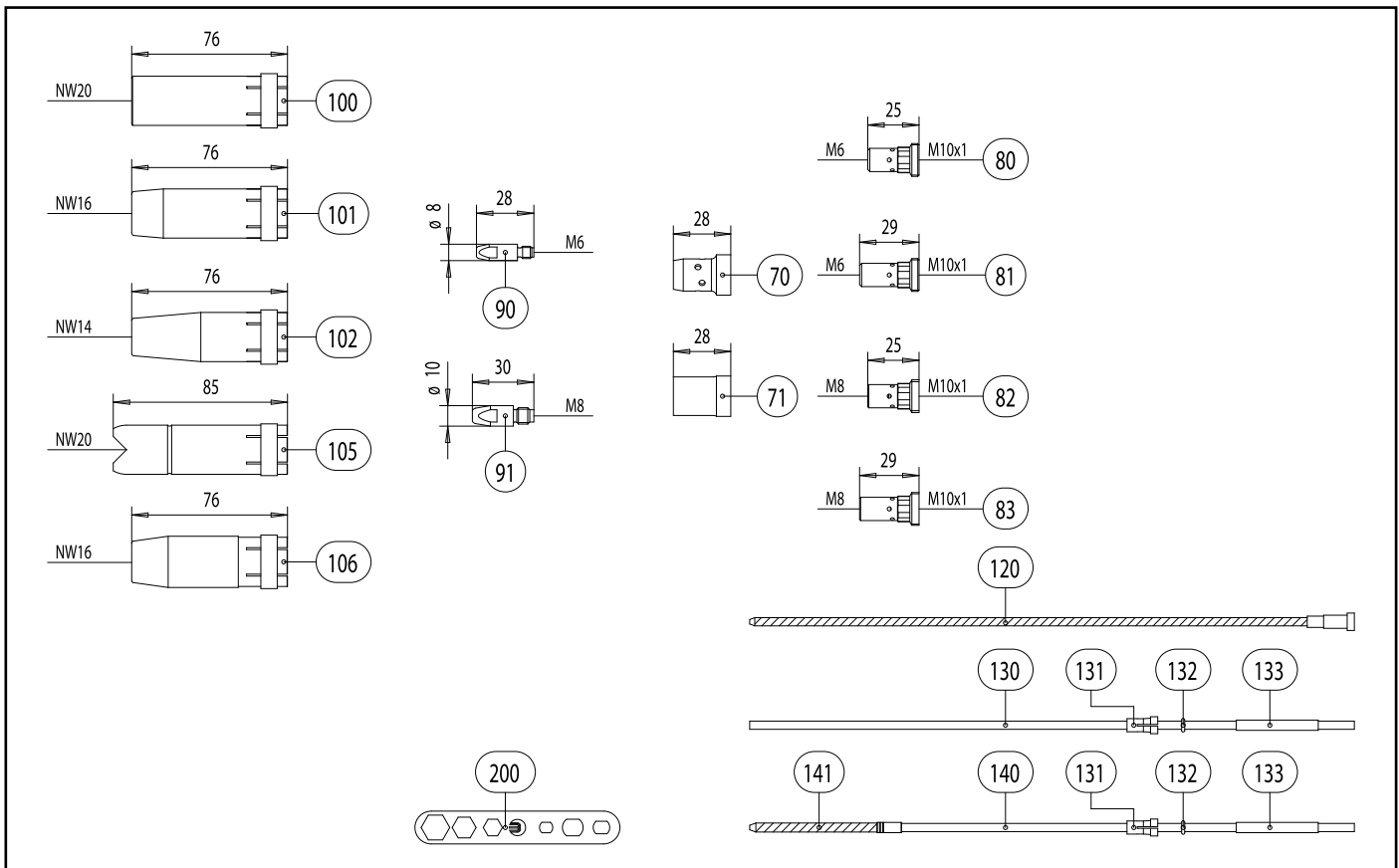
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (D-Version)</b>				
	MB 401 D GRIP; central adaptor WZ-2; 3.00 m		033.0271	1018
	MB 401 D GRIP; central adaptor WZ-2; 4.00 m		033.0272	1018
	MB 401 D GRIP; central adaptor WZ-2; 5.00 m		033.0273	1018
<b>Torch</b>				
	MB 401 GRIP; central adaptor WZ-2; 3.00 m		030.0205	1018
	MB 401 GRIP; central adaptor WZ-2; 4.00 m		030.0206	1018
	MB 401 GRIP; central adaptor WZ-2; 5.00 m		030.0207	1018
<b>Swan neck (D-Version)</b>				
1	Swan neck MB 401 D; 50° bent		033.0001	1009
1.1	Swan neck MB GRIP 401 D; 50° bent		033.0277	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Swan neck</b>				
	Swan neck MB 401; 50° bent		030.0001	1009
	Swan neck MB GRIP 401; 50° bent		030.0208	1009
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		115.0065	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		115.0070	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		115.0074	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 3.00 m		156.0275	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 4.00 m		156.0276	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 5.00 m		156.0277	1012
43	Control cable 2-pole	200 m	100.0019	4050

# MIG/MAG Welding Torches MB GRIP 401 / 401 D



Pos.	Description	Units	Part-No.	Product-group
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; Ø 5.5x1.5	40 m	109.0052	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Outer cover with cable support Ø 25x1.5 for 3.00 m		107.0079	1095
53	Outer cover with cable support Ø 25x1.5 for 4.00 m		107.0044	1095
53	Outer cover with cable support Ø 25x1.5 for 5.00 m		107.0080	1095
	Outer cover Ø 25x1.5	40 m	107.0004	4050
54.2	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		400.1392.1	1095
	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		400.0790	1095
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010

# MIG/MAG Welding Torches MB GRIP 401 / 401 D

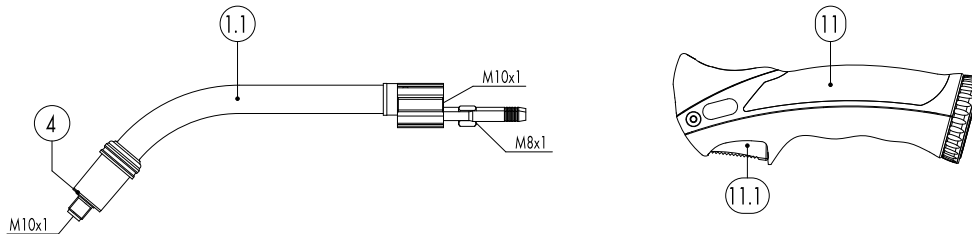


Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts MB 401 / 401 D</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032
<b>Wear parts MB 401 D</b>				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB 401 / 401 D</b>				
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031

# MIG/MAG Welding Torches MB GRIP 401 / 401 D

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 3.00 m		122.0005	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 4.00 m		122.0007	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 5.00 m		122.0009	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 5.00 m		122.0039	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

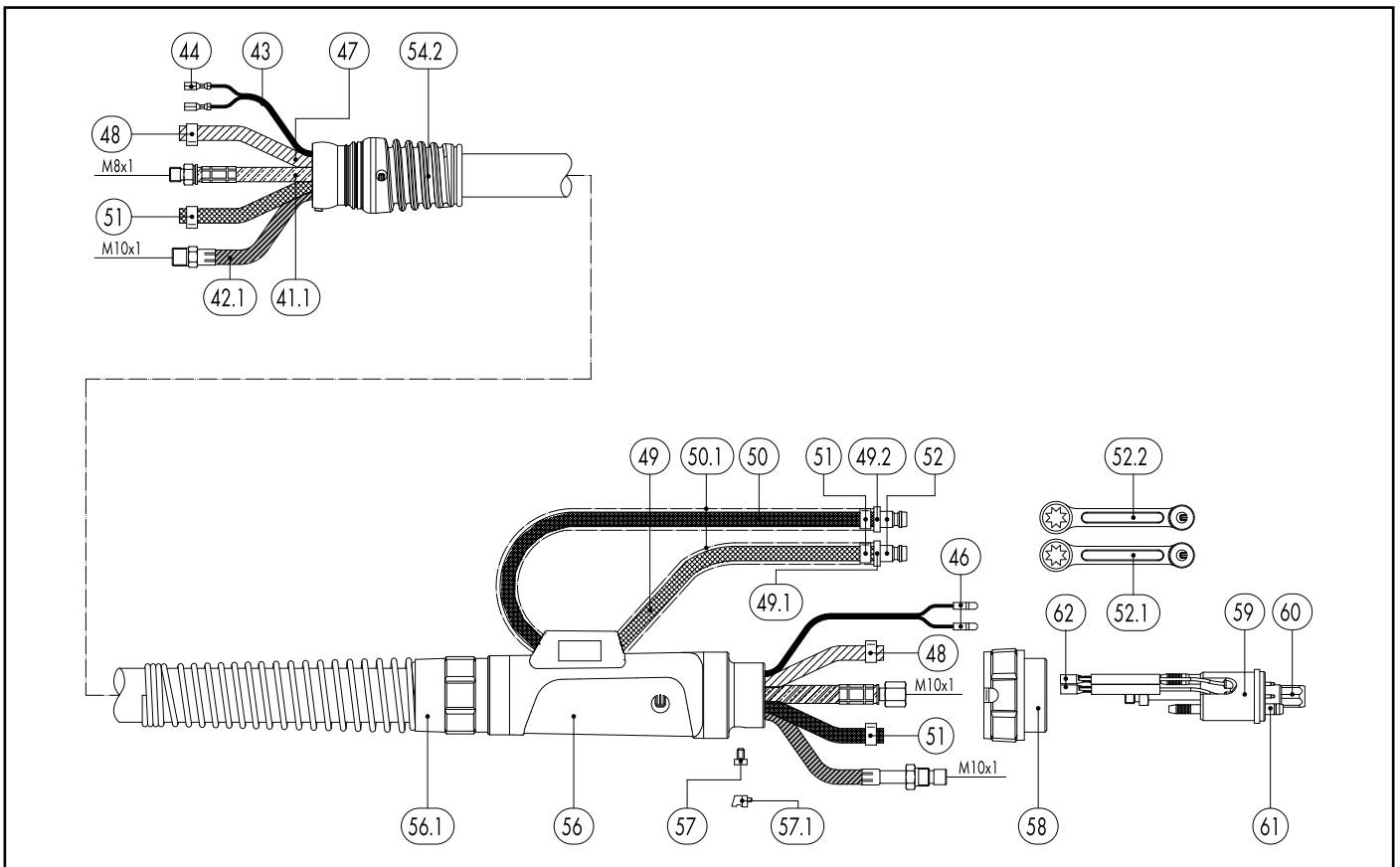
# MIG/MAG Welding Torches MB GRIP 501 / 501 D



Pos.	Description	Units	Part-No.	Product-group
<b>Torch (D-Version)</b>				
	MB 501 D GRIP; central adaptor WZ-2; 3.00 m		034.0492	1018
	MB 501 D GRIP; central adaptor WZ-2; 4.00 m		034.0493	1018
	MB 501 D GRIP; central adaptor WZ-2; 5.00 m		034.0494	1018
<b>Torch</b>				
	MB 501 GRIP; central adaptor WZ-2; 3.00 m		032.0231	1018
	MB 501 GRIP; central adaptor WZ-2; 4.00 m		032.0232	1018
	MB 501 GRIP; central adaptor WZ-2; 5.00 m		032.0233	1018
<b>Swan neck (D-Version)</b>				
1.1	Swan neck MB GRIP 501 D; 50° bent		034.0496	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Swan neck</b>				
	Swan neck MB GRIP 501; 50° bent		032.0234	1009
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 3.00 m		156.0275	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 4.00 m		156.0276	1012
42.1	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 5.00 m		156.0277	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; Ø 5.5x1.5	40 m	109.0052	4050

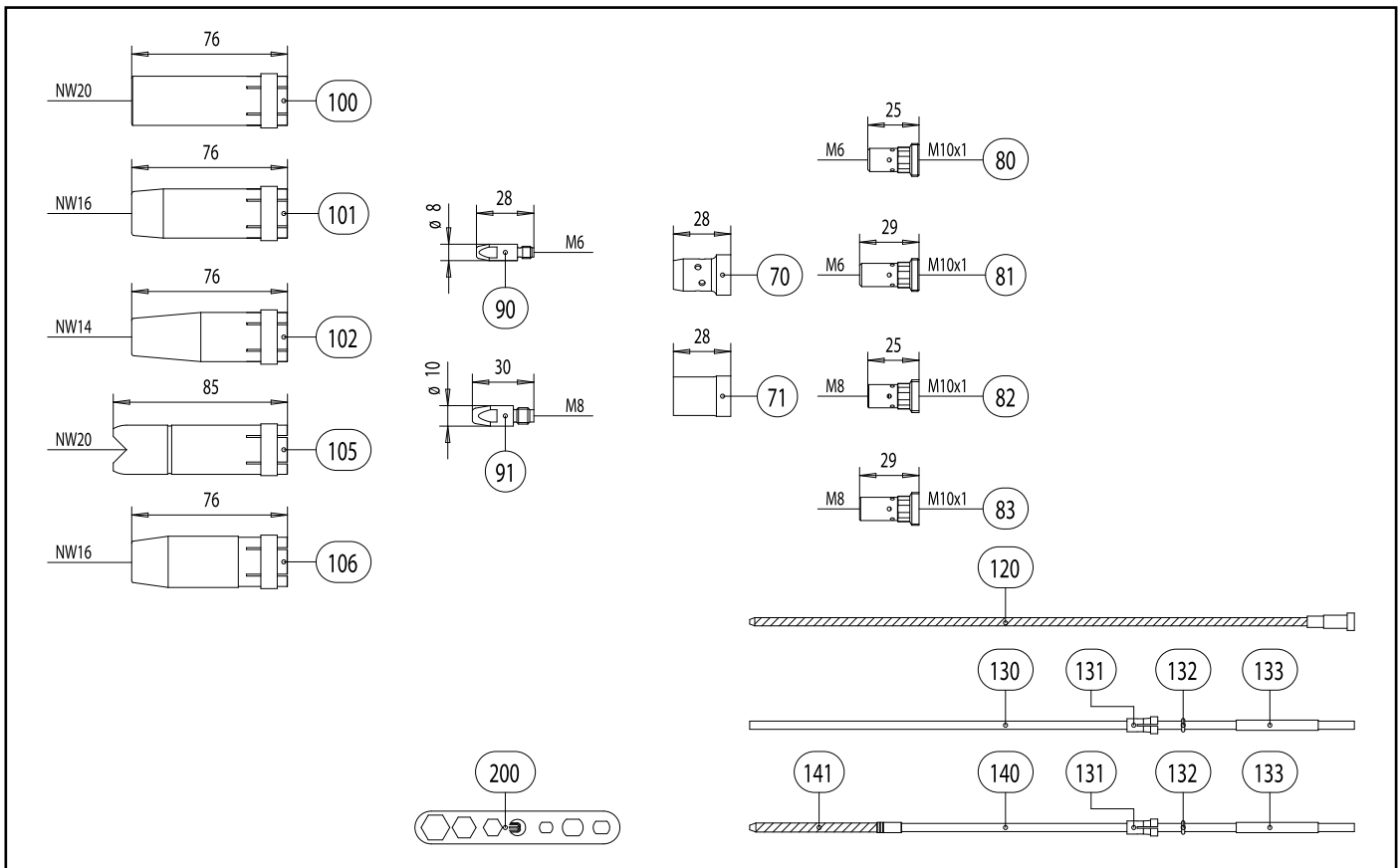


# MIG/MAG Welding Torches MB GRIP 501 / 501 D



Pos.	Description	Units	Part-No.	Product-group
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
	Outer cover Ø 25x1.5	40 m	107.0004	4050
54.2	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		400.1392.1	1095
	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		400.0790	1095
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts MB 501 / 501 D</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032

# MIG/MAG Welding Torches MB GRIP 501 / 501 D



## Pos. Description

## Units

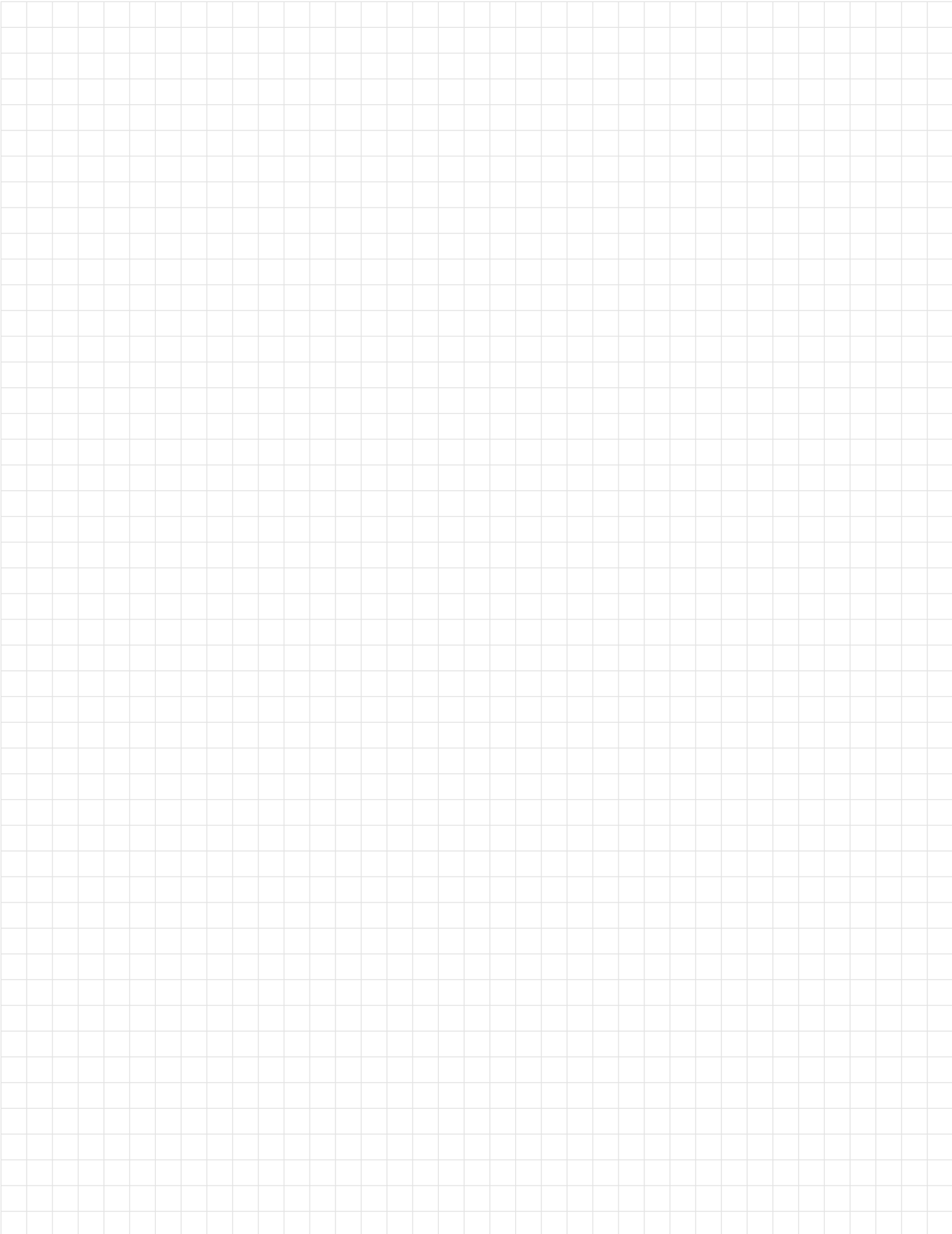
## Part-No.

## Product-group

Pos.	Description	Units	Part-No.	Product-group
<b>Wear parts MB 501 D</b>				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB 501 / 501 D</b>				
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 E-Cu; Ø 1.6 (8x28)	10 Pcs.	140.0555	1030
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 CuCrZr; Ø 1.6 (8x28)	10 Pcs.	140.0558	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
90	Contact tip M6 E-Cu; Ø 1.6 for alu wire (8x28)	10 Pcs.	141.0020	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031

# MIG/MAG Welding Torches MB GRIP 501 / 501 D

Pos.	Description	Units	Part-No.	Product-group
91	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 5.00 m		122.0039	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 3.00 m		122.0056	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 4.00 m		122.0060	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 5.00 m		122.0063	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010



## MIG/MAG Welding Torches

# ABIMIG® GRIP A LW

## air cooled

**“The perfect combination of high performance and featherly weight”**

The MIG/MAG Welding Torches ABIMIG® GRIP A air cooled with the innovative 2 component handle system “GRIP”, combine ergonomics and feel with all common module variations (for switch and control functions) as well as “switch on top” solutions. “GRIP” insert and ball joint in the handle guarantee secure grip and optimal handling.

The torches of the ABIMIG® GRIP A series utilize the newly developed Low Weight Bikox®, which gives perfect balance to these weight reduced torches for effortless welding in all positions.

- Low Weight Bikox® - up to 50% weight saving
- Ergonomic short handle with “GRIP” soft components on the handle, thumb rest and ball joint - guarantees optimal handling in all positions
- Screw-on gas nozzle with thermoprotective insulation - extending life time
- Function integrated tip holder (gas diffusor, gas nozzle holder and contact tip holder in one piece) - reduces stock requirements
- Laminar gas feed - excellent gas coverage for best welding results
- Changeable gas nozzle seat - “extends” operating cycle of the torch neck and reduces maintenance costs
- Electrically insulated liner and connection nut (on the central adaptor) enables exact setting of the arc parameters and therefore repeatability of welding results

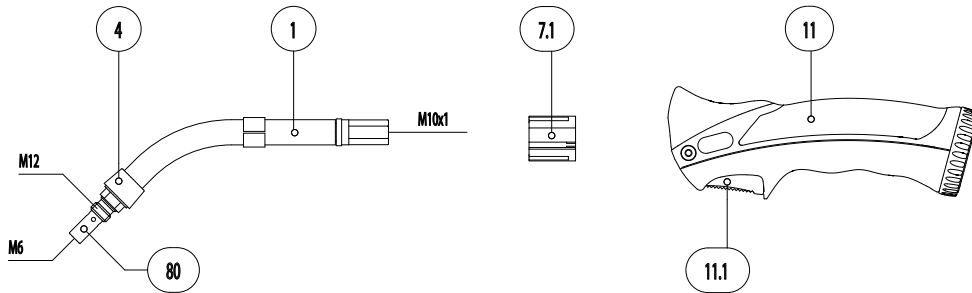
### Technical data (EN 60 974-7)

### MIG/MAG Welding Torches “ABIMIG® GRIP A LW” (air cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
ABIMIG® GRIP A 155 LW	190	170	60	0.6-1.0
ABIMIG® GRIP A 255 LW	240	210	60	0.8-1.2
ABIMIG® GRIP A 305 LW	270	240	60	0.8-1.2
ABIMIG® GRIP A 355 LW	300	270	60	1.0-1.6
ABIMIG® GRIP A 405 LW	370	300	60	1.0-1.6

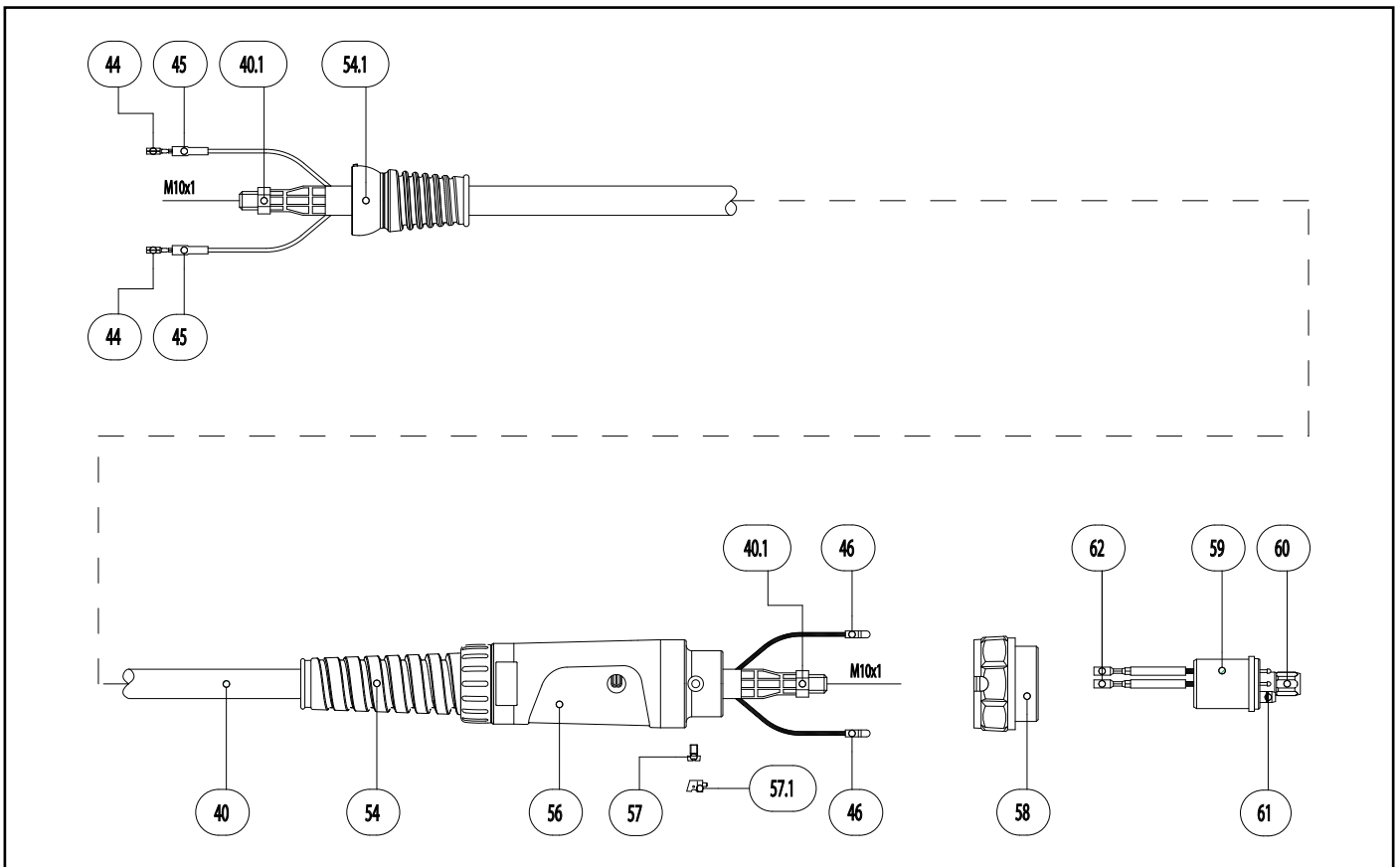
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# MIG/MAG Welding Torches ABIMIG® GRIP A 155 LW



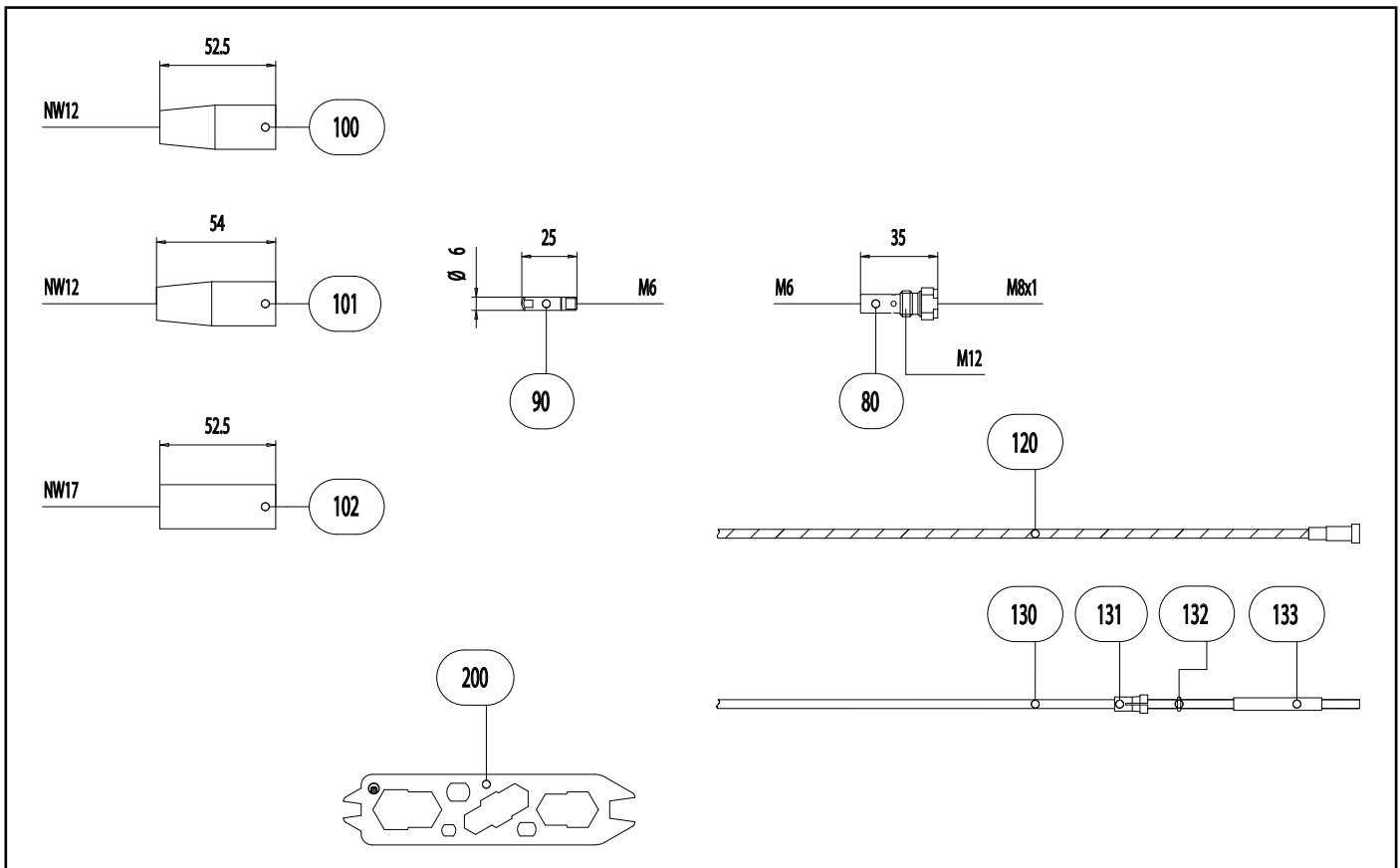
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABIMIG® GRIP A 155 LW; central adaptor KZ-2; 3.00 m		767.D600.1	1318
	ABIMIG® GRIP A 155 LW; central adaptor KZ-2; 4.00 m		767.D601.1	1318
	ABIMIG® GRIP A 155 LW; central adaptor KZ-2; 5.00 m		767.D602.1	1318
<b>Swan neck</b>				
1	Swan neck ABIMIG® GRIP A 155; 45° bent		767.D603.1	1306
4	Spacer	5 Pcs.	767.D607.5	1595
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® LW power cable, R4 for 3.00 m		160.H025.1	1511
40	Bikox® LW power cable, R4 for 4.00 m		160.H026.1	1511
40	Bikox® LW power cable, R4 for 5.00 m		160.H027.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable support short for ABIMIG® GRIP A		400.1323.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

# MIG/MAG Welding Torches ABIMIG® GRIP A 155 LW



Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M12/M6/35 US	5 Pcs.	006.D719.5	1533
90	Contact tip M6 E-Cu; Ø 0.6 (6x25)	10 Pcs.	140.0008	1030
90	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
90	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
90	Contact tip M6 CuCrZr; Ø 0.6 (6x25)	10 Pcs.	140.0855	1031
90	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle M12; ND 12; galvanized; conical L=52 mm	5 Pcs.	145.D001	1536
101	Gas nozzle M12; ND 12; galvanized; conical L=54 mm	5 Pcs.	145.D004	1536
102	Gas nozzle M12; ND 17; galvanized; cylindrical L=52 mm	5 Pcs.	145.D003	1536
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034

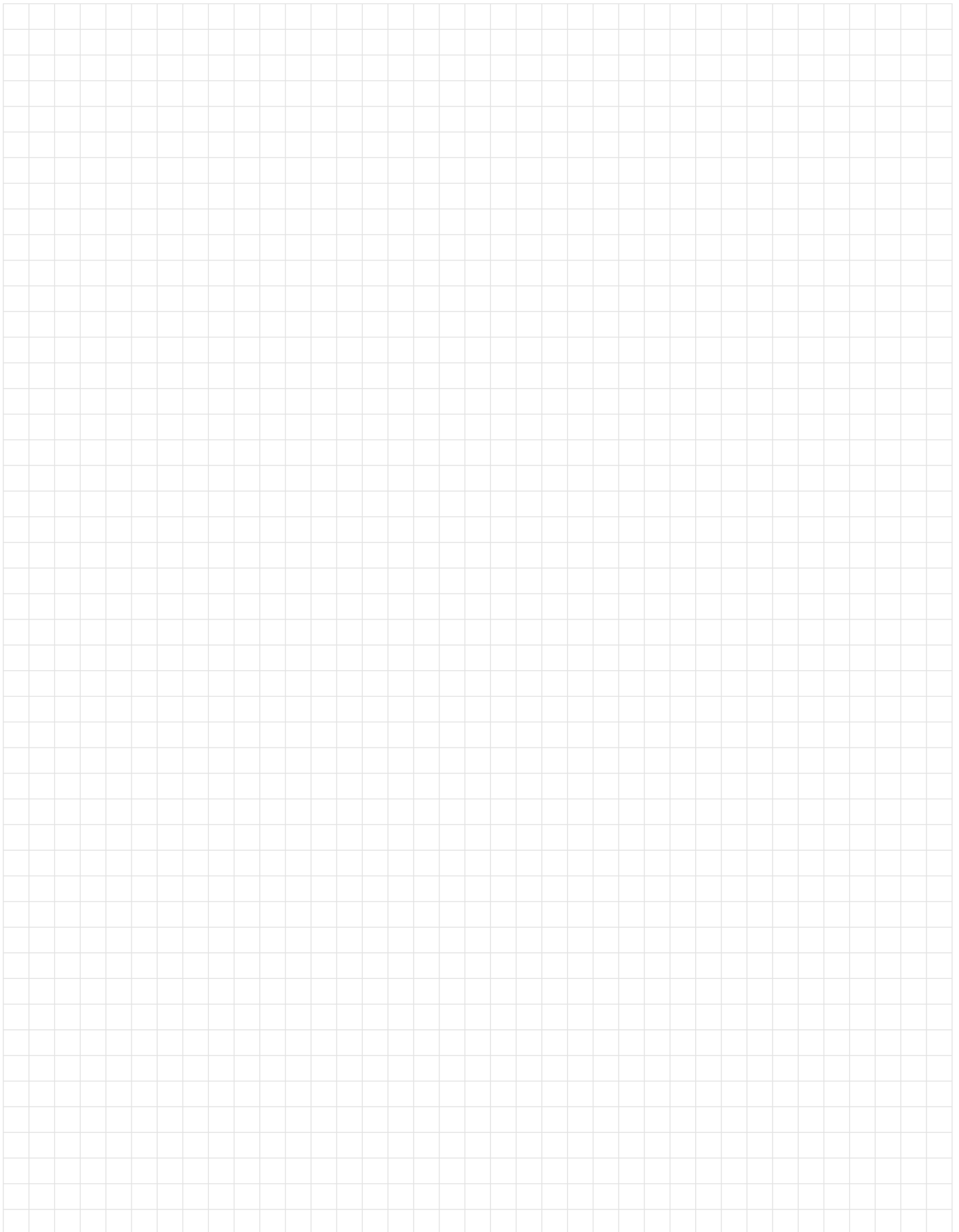
# MIG/MAG Welding Torches ABIMIG® GRIP A 155 LW



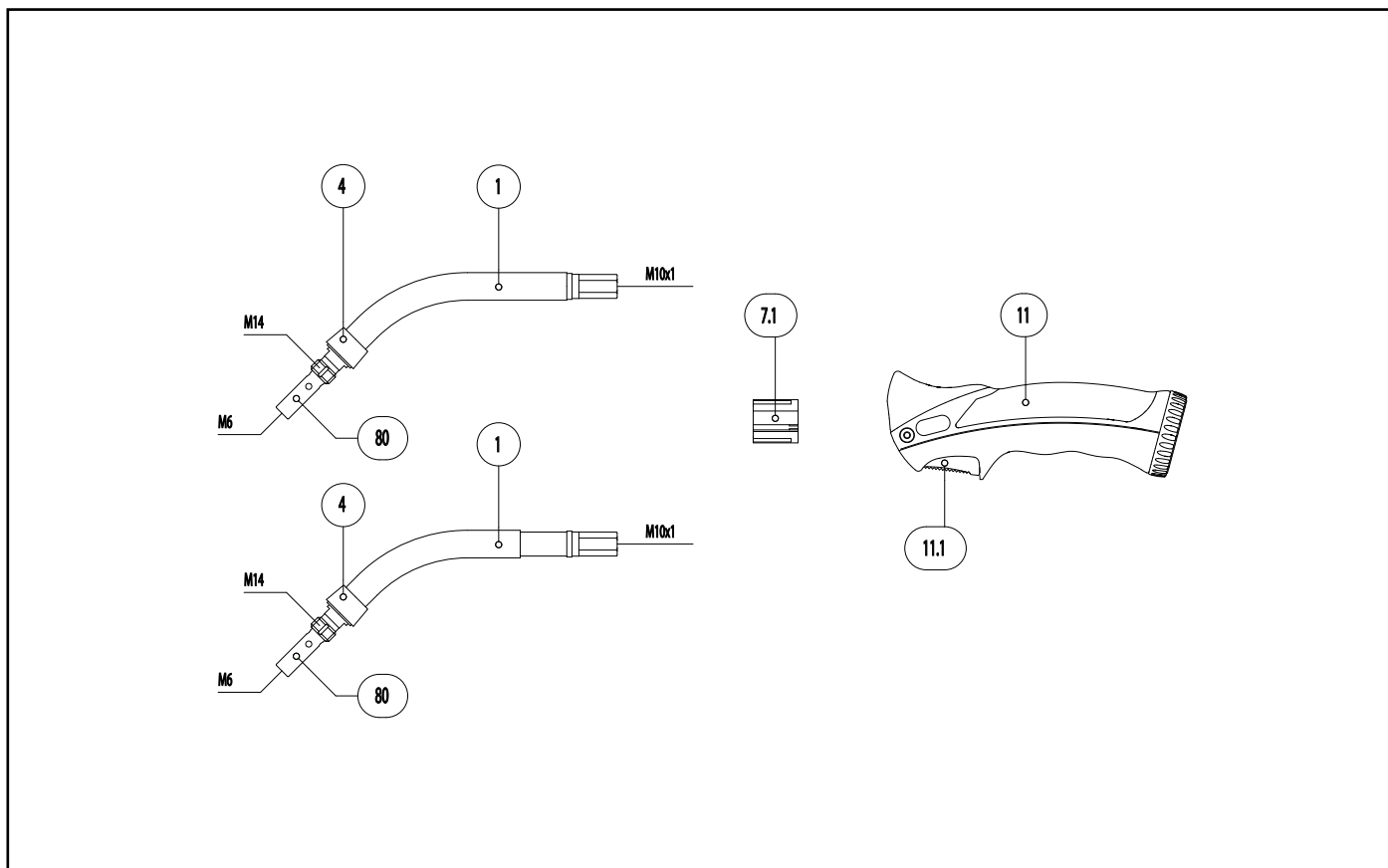
Pos.	Description	Units	Part-No.	Product-group
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner for ABIMIG®		191.D045	1595



# Notes

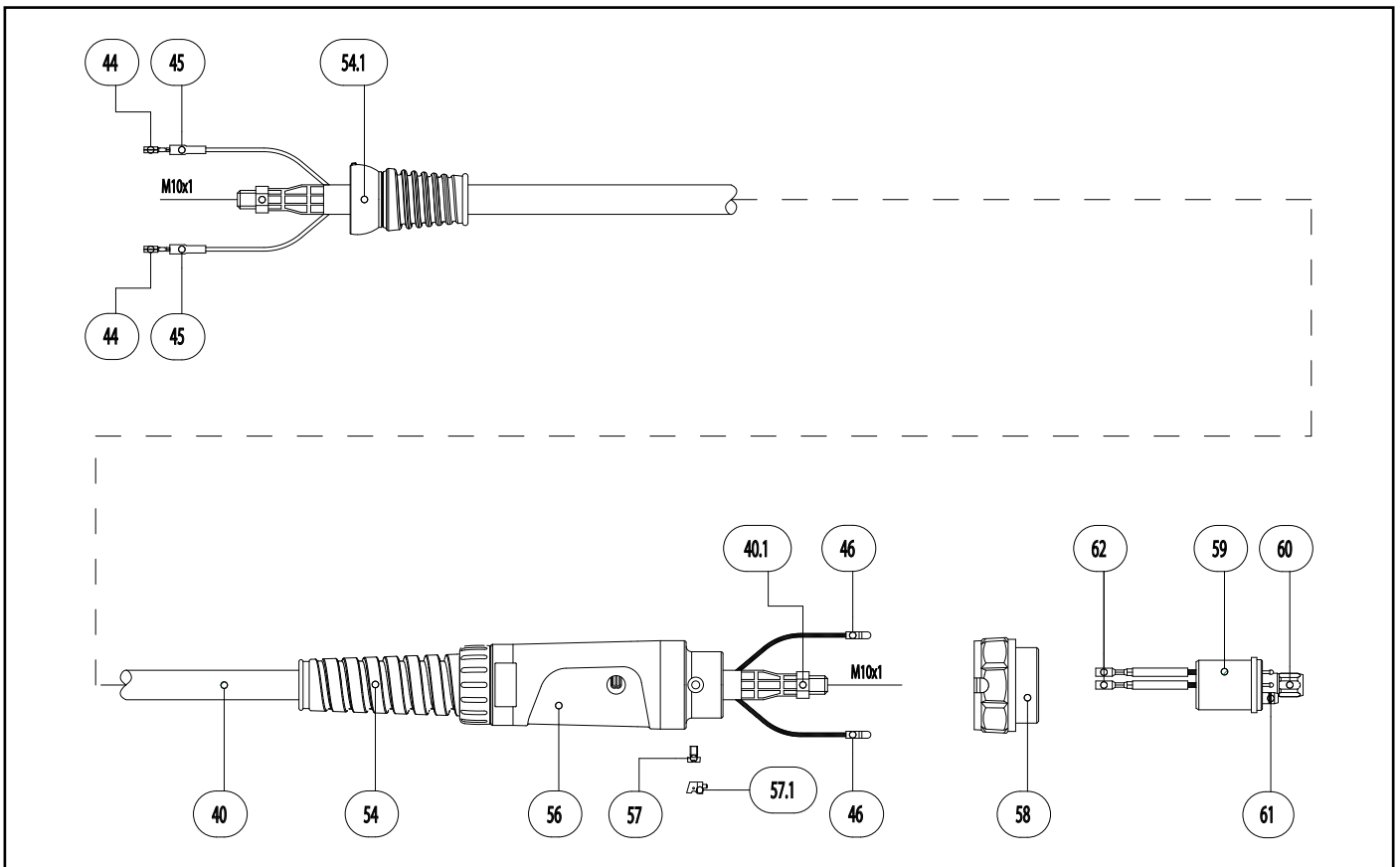


# MIG/MAG Welding Torches ABIMIG® GRIP A 255 LW



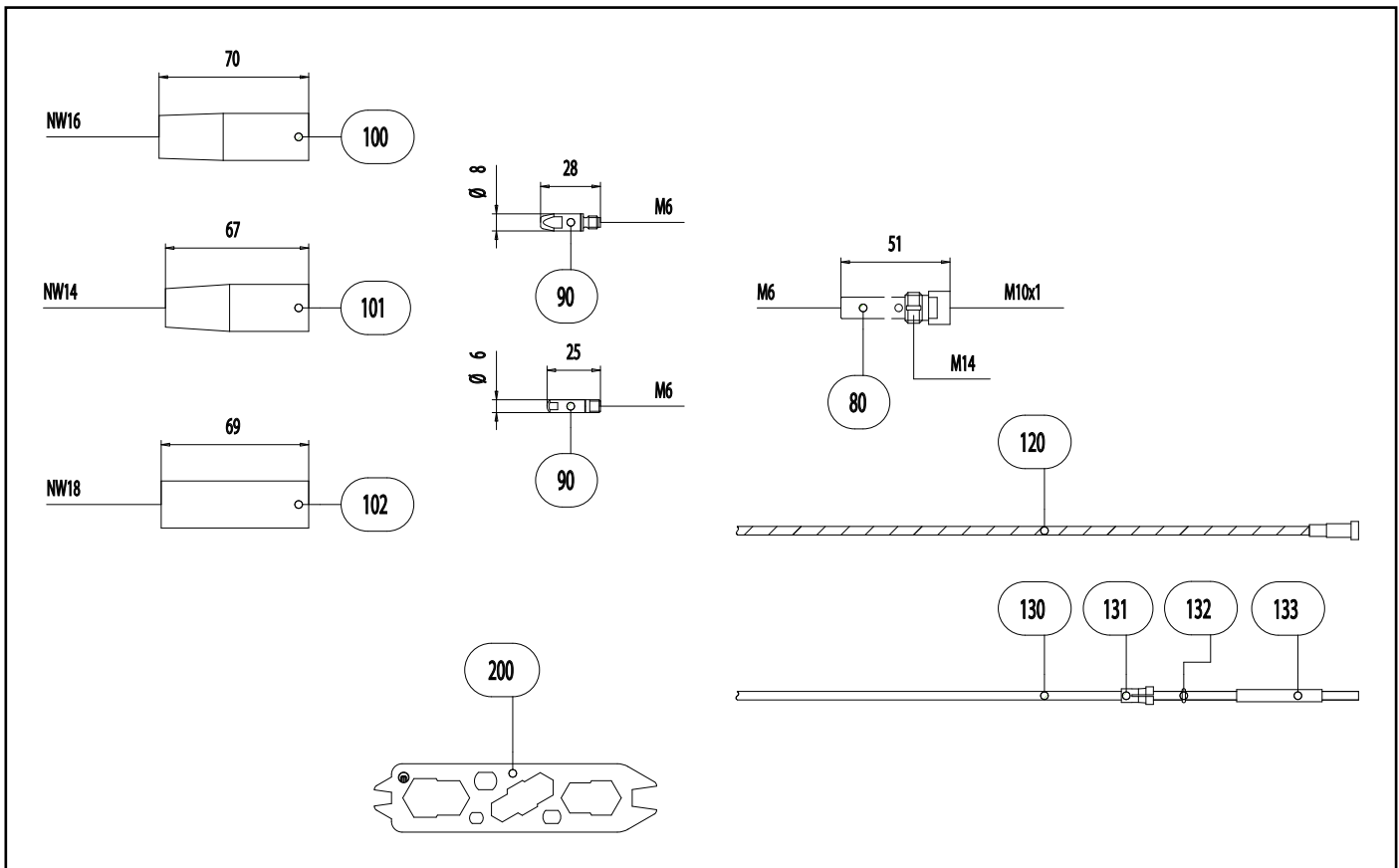
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABIMIG® GRIP A 255 LW; central adaptor KZ-2; 3.00 m		767.D630.1	1318
	ABIMIG® GRIP A 255 LW; central adaptor KZ-2; 4.00 m		767.D631.1	1318
	ABIMIG® GRIP A 255 LW; central adaptor KZ-2; 5.00 m		767.D632.1	1318
<b>Swan neck</b>				
1	Swan neck ABIMIG® GRIP A 255; 45° bent		767.D633.1	1306
4	Spacer	5 Pcs.	767.D637.5	1595
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® LW power cable, R5 for 3.00 m		160.H032.1	1511
40	Bikox® LW power cable, R5 for 4.00 m		160.H033.1	1511
40	Bikox® LW power cable, R5 for 5.00 m		160.H034.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable support short for ABIMIG® GRIP A		400.1323.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

# MIG/MAG Welding Torches ABIMIG® GRIP A 255 LW



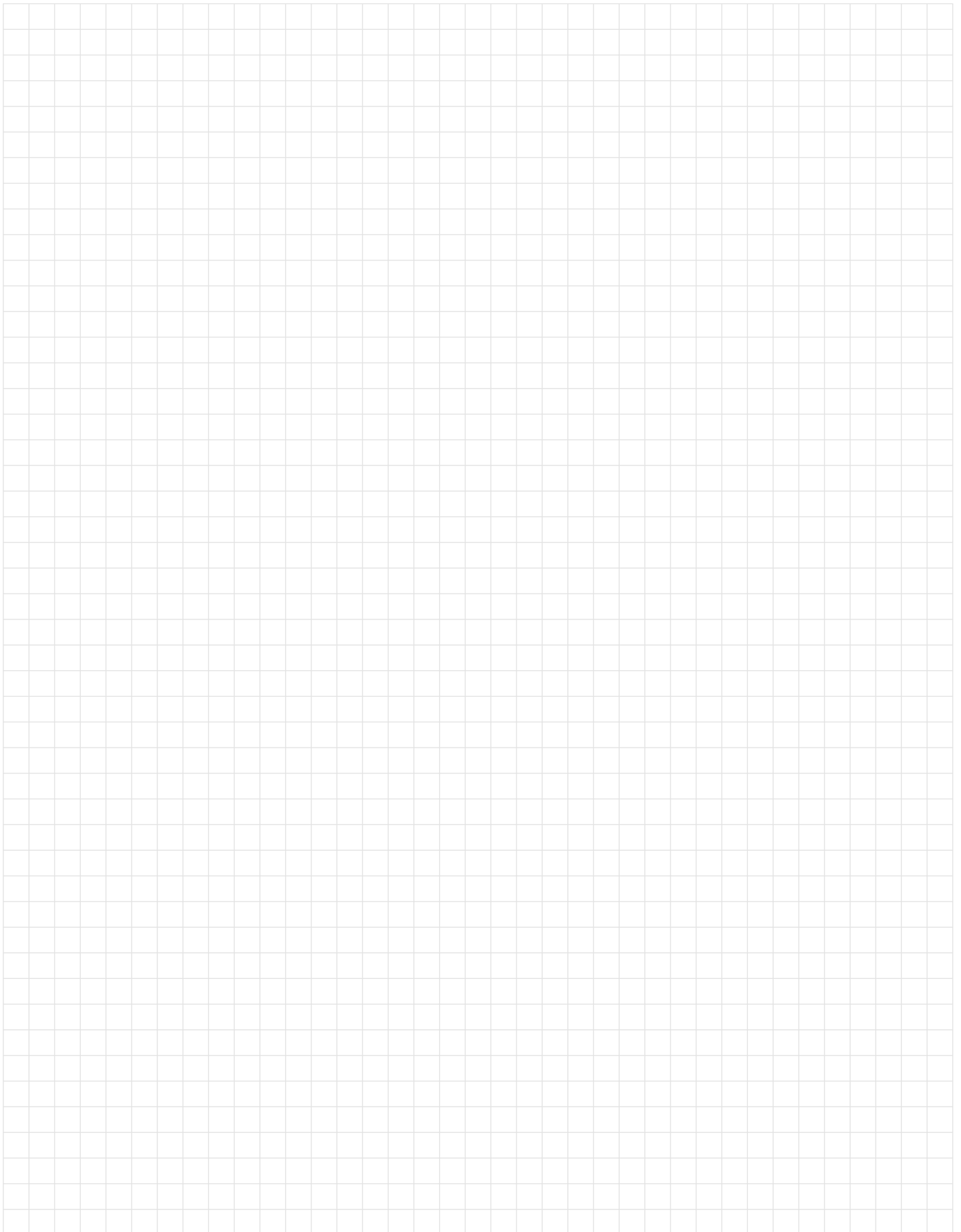
Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M14/M6/51 US	5 Pcs.	004.D624.5	1533
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
91	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
91	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
91	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
91	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
91	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
91	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
91	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle M14; ND 16; galvanized	5 Pcs.	145.D011	1536

# MIG/MAG Welding Torches ABIMIG® GRIP A 255 LW

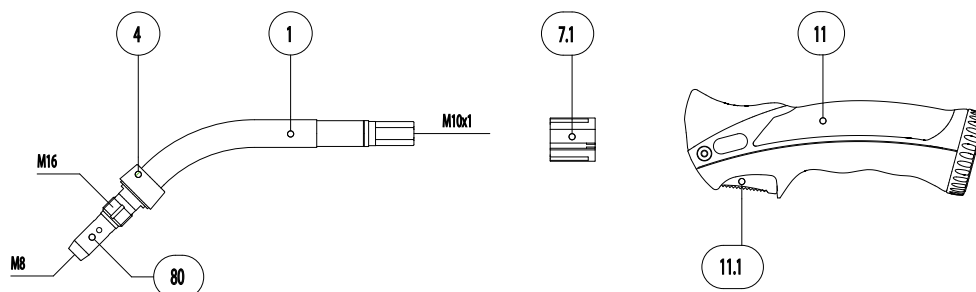


Pos.	Description	Units	Part-No.	Product-group
101	Gas nozzle M14; ND 14; galvanized; conical L=67 mm	5 Pcs.	145.D012	1536
102	Gas nozzle M14; ND 18 galvanized; cylindrical L=67 mm	5 Pcs.	145.D014	1536
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner for ABIMIG®		191.D045	1595

# Notes

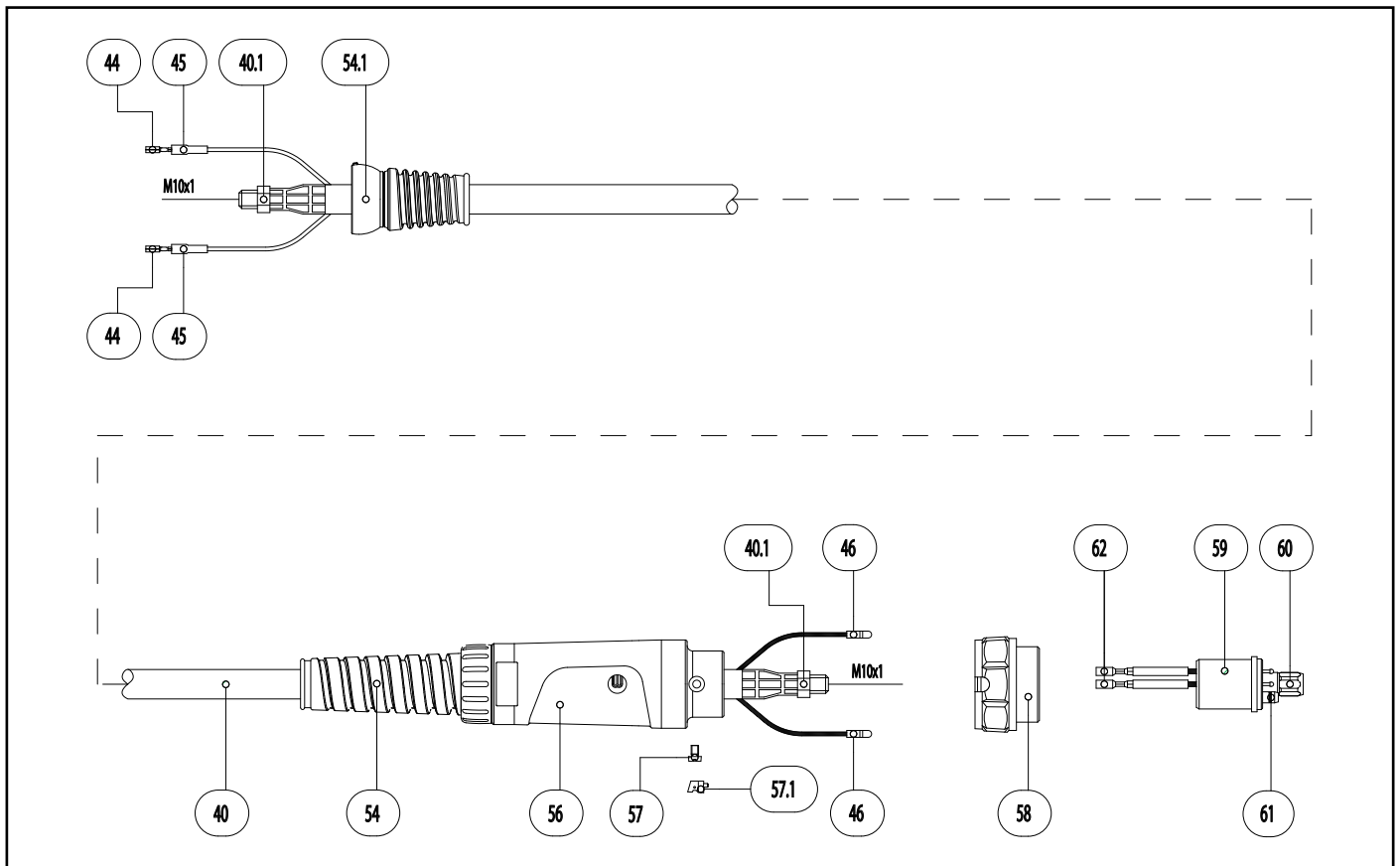


# MIG/MAG Welding Torches ABIMIG® GRIP A 305 LW



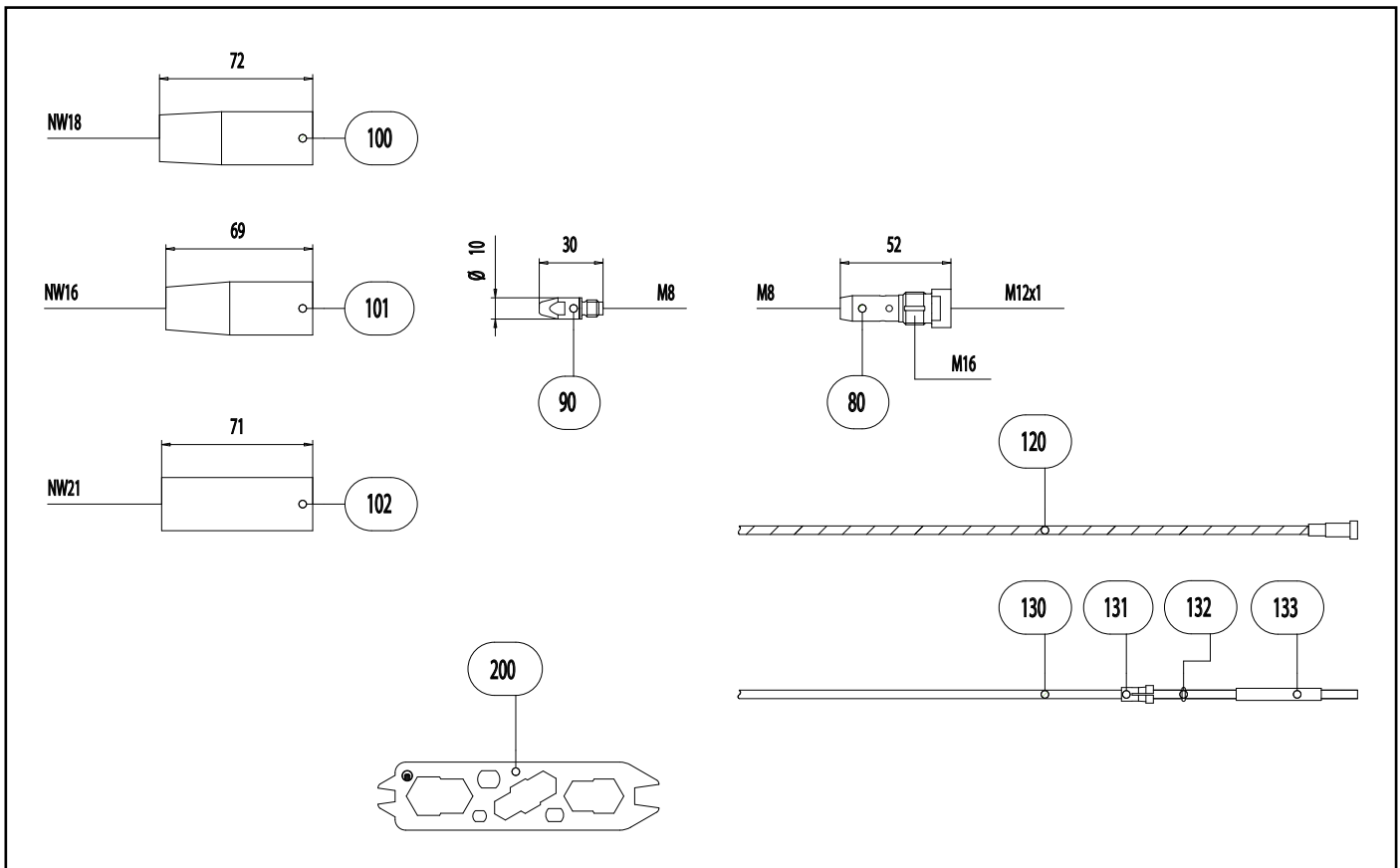
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABIMIG® GRIP A 305 LW; central adaptor KZ-2; 3.00 m		767.D660.1	1319
	ABIMIG® GRIP A 305 LW; central adaptor KZ-2; 4.00 m		767.D661.1	1319
	ABIMIG® GRIP A 305 LW; central adaptor KZ-2; 5.00 m		767.D662.1	1319
<b>Swan neck</b>				
1	Swan neck ABIMIG® GRIP A 305; 45° bent		767.D663.1	1308
4	Spacer	5 Pcs.	767.D668.5	1595
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® LW power cable, R6 for 3.00 m		160.H039.1	1511
40	Bikox® LW power cable, R6 for 4.00 m		160.H040.1	1511
40	Bikox® LW power cable, R6 for 5.00 m		160.H041.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable support short for ABIMIG® GRIP A		400.1323.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

# MIG/MAG Welding Torches ABIMIG® GRIP A 305 LW



Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M16/M8/52 US	5 Pcs.	014.D745.5	1533
90	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	140.0533	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	140.0536	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.4 for alu wire (10x30)	10 Pcs.	141.0055	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.0536	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
100	Gas nozzle M16; ND 18; galvanized; conical L=72 mm	5 Pcs.	145.D021	1537

# MIG/MAG Welding Torches ABIMIG® GRIP A 305 LW

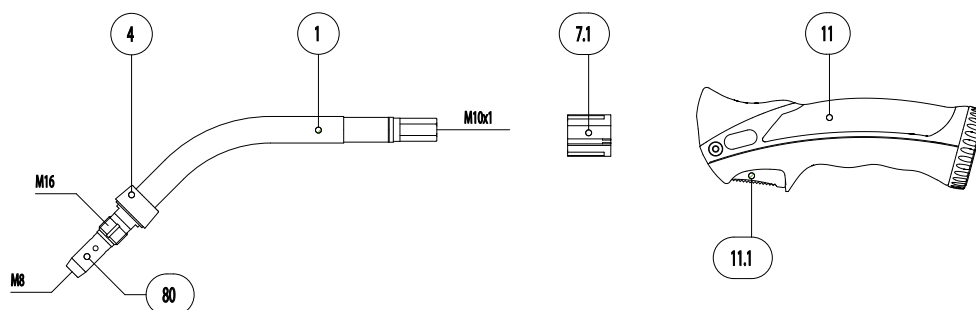


Pos.	Description	Units	Part-No.	Product-group
101	Gas nozzle M16; ND 16 galvanized; conical L=69 mm	5 Pcs.	145.D022	1537
102	Gas nozzle M16; ND 21 galvanized; cylindrical	5 Pcs.	145.D024	1537
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 3.00 m		124.0041	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 4.00 m		124.0042	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 5.00 m		124.0044	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034



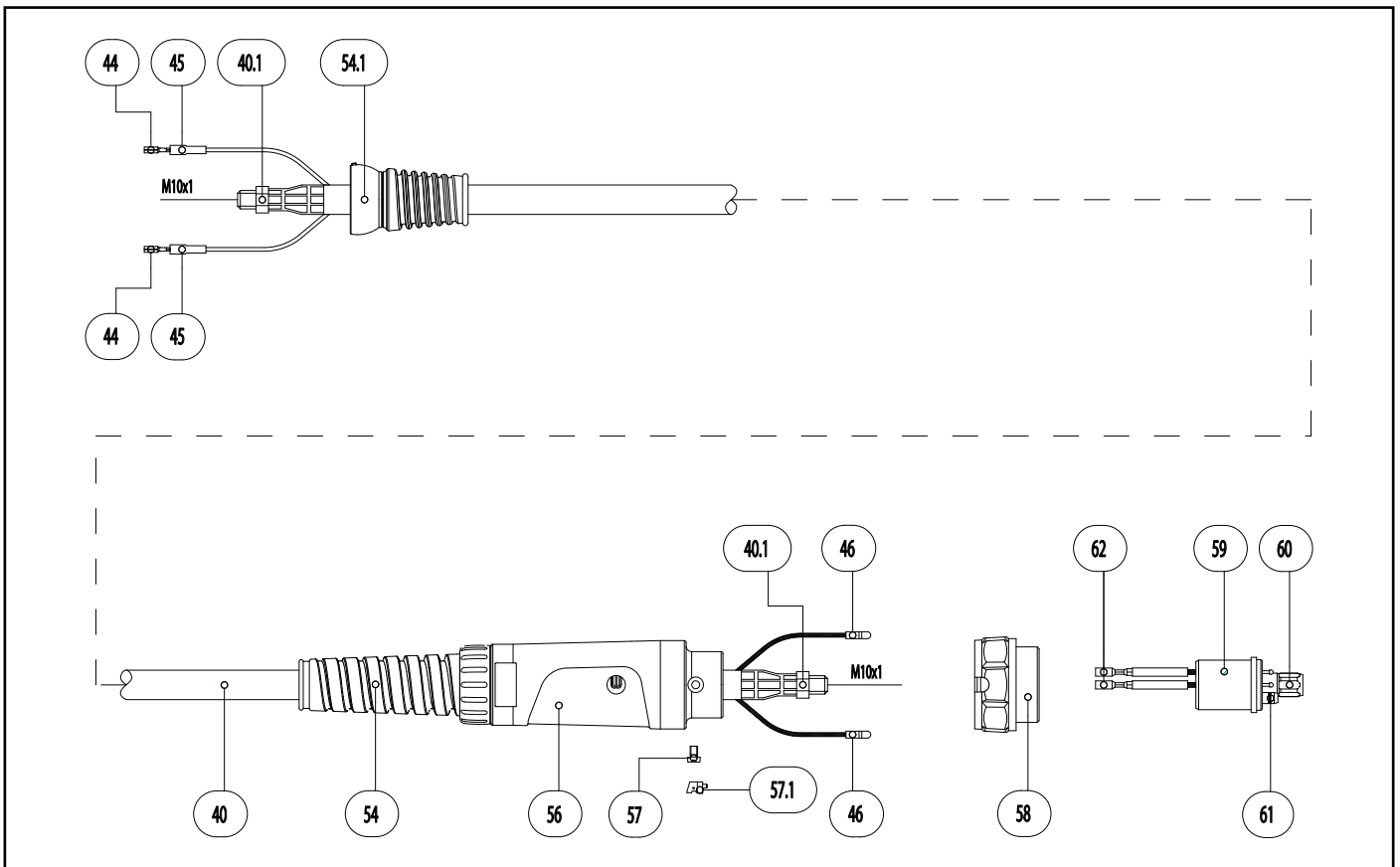


# MIG/MAG Welding Torches ABIMIG® GRIP A 355 LW



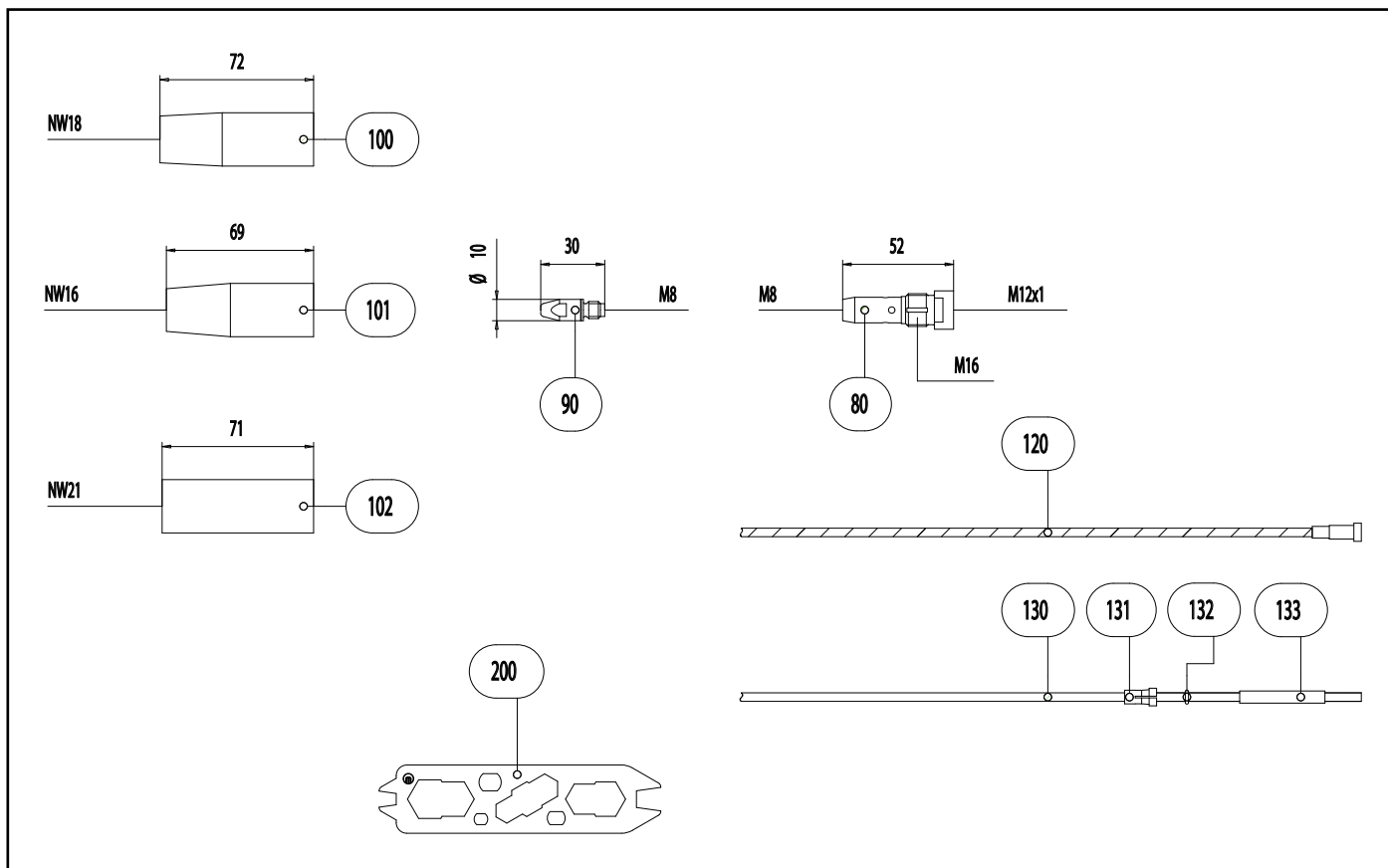
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABIMIG® GRIP A 355 LW; central adaptor KZ-2; 3.00 m		767.D690.1	1319
	ABIMIG® GRIP A 355 LW; central adaptor KZ-2; 4.00 m		767.D691.1	1319
	ABIMIG® GRIP A 355 LW; central adaptor KZ-2; 5.00 m		767.D692.1	1319
<b>Swan neck</b>				
1	Swan neck ABIMIG® GRIP A 355; 45° bent		767.D693.1	1308
4	Spacer	5 Pcs.	767.D668.5	1595
7.1	Torch body plastic GRIP		400.0044	1095
<b>Handle GRIP</b>				
11	Handle GRIP with trigger cpl.		180.0127	1095
11.1	Trigger 2-pole GRIP		185.0101	9010
<b>Cable assembly</b>				
40	Bikox® LW power cable, R7 for 3.00 m		160.H046.1	1511
40	Bikox® LW power cable, R7 for 4.00 m		160.H047.1	1511
40	Bikox® LW power cable, R7 for 5.00 m		160.H048.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Ball joint cable support short for ABIMIG® GRIP A		400.1323.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

# MIG/MAG Welding Torches ABIMIG® GRIP A 355 LW



Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M16/M8/52 US	5 Pcs.	014.D745.5	1533
90	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	140.0533	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	140.0536	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.4 for alu wire (10x30)	10 Pcs.	141.0055	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.0536	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
100	Gas nozzle M16; ND 18; galvanized; conical L=72 mm	5 Pcs.	145.D021	1537

# MIG/MAG Welding Torches ABIMIG® GRIP A 355 LW

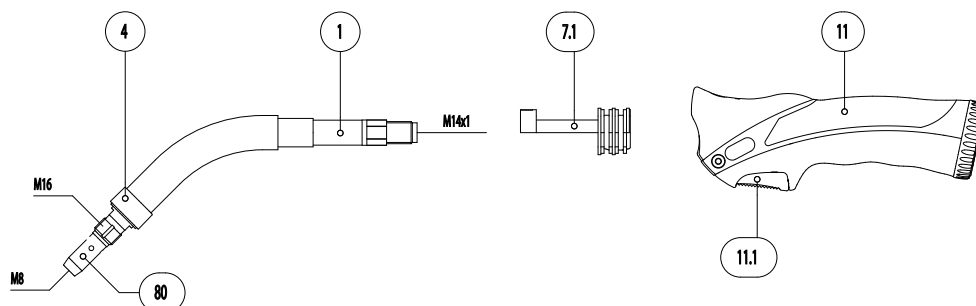


Pos.	Description	Units	Part-No.	Product-group
101	Gas nozzle M16; ND 16 galvanized; conical L=69 mm	5 Pcs.	145.D022	1537
102	Gas nozzle M16; ND 21 galvanized; cylindrical	5 Pcs.	145.D024	1537
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 3.00 m		124.0041	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 4.00 m		124.0042	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 5.00 m		124.0044	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034

# MIG/MAG Welding Torches ABIMIG® GRIP A 355 LW

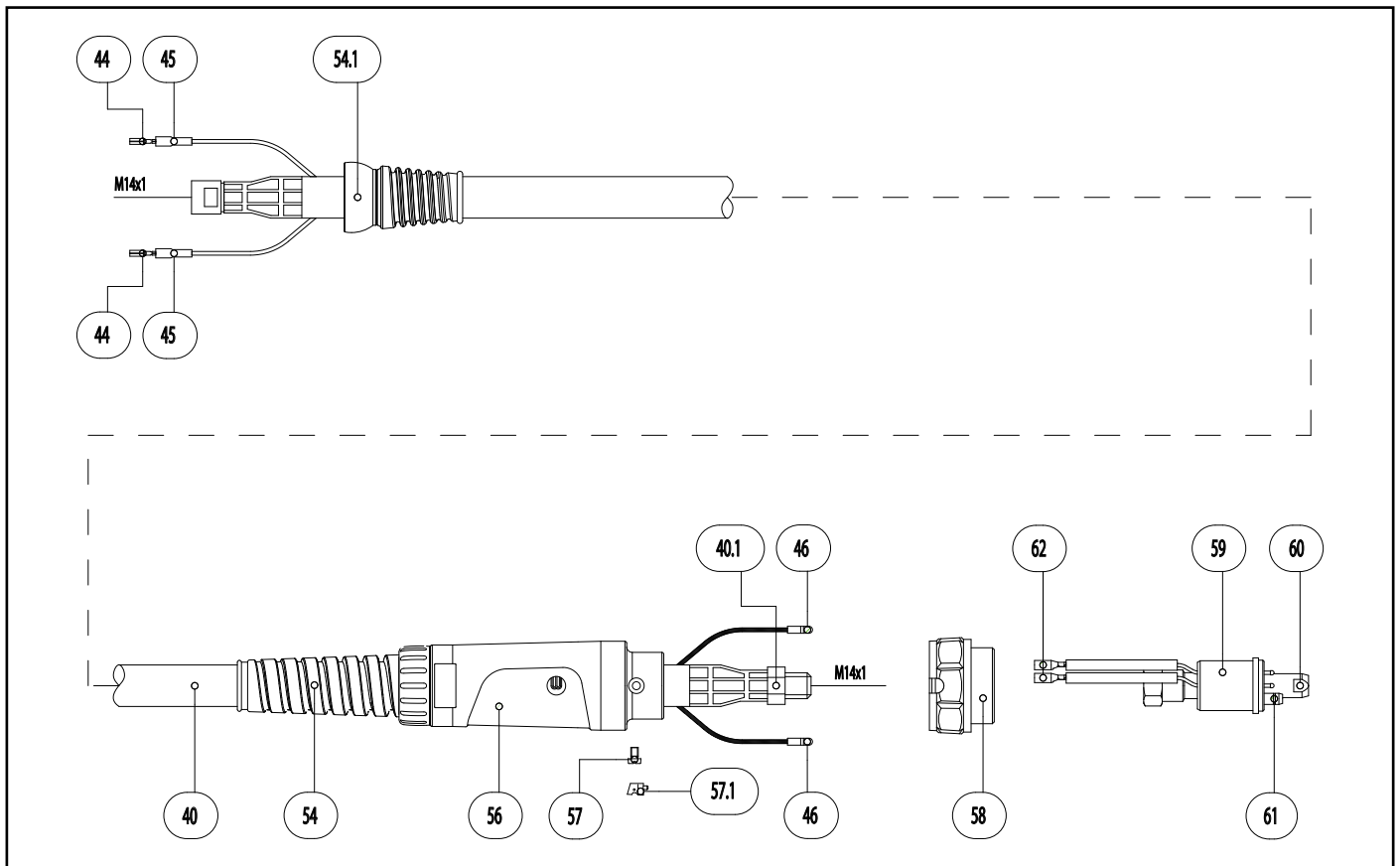
Pos.	Description	Units	Part-No.	Product-group
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner for ABIMIG®		191.D045	1595

# MIG/MAG Welding Torches ABIMIG® GRIP A 405 LW



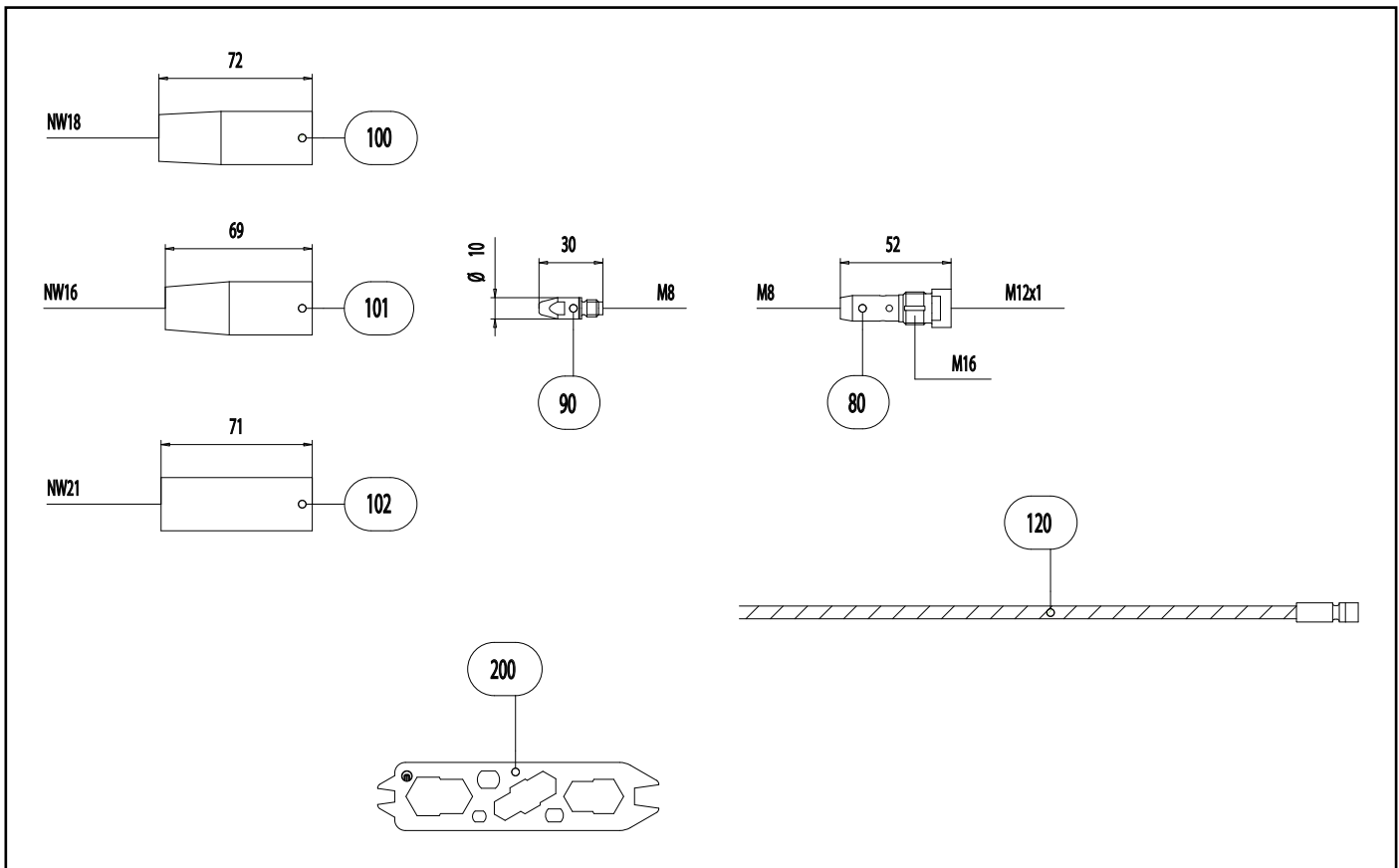
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABIMIG® GRIP A 405 LW; type S; central adaptor KZ-2; 3.00 m		767.D720.1	1319
	ABIMIG® GRIP A 405 LW; type S; central adaptor KZ-2; 4.00 m		767.D721.1	1319
	ABIMIG® GRIP A 405 LW; type S; central adaptor KZ-2; 5.00 m		767.D722.1	1319
<b>Swan neck</b>				
1	Swan neck ABIMIG® GRIP A 405; 45° bent		767.D723.1	1308
4	Spacer	5 Pcs.	767.D729.5	1595
7.1	Torch body		400.1333.1	1095
<b>Handle GRIP</b>				
11	Handle GRIP type S with trigger cpl.		180.0132.1	1395
11.1	Trigger 2-pole GRIP	5 Pcs.	185.0107.5	1395
<b>Cable assembly</b>				
40	Bikox® LW power cable, R9 for 3.00 m		160.H053.1	1511
40	Bikox® LW power cable, R9 for 4.00 m		160.H054.1	1511
40	Bikox® LW power cable, R9 for 5.00 m		160.H055.1	1511
40.1	Nut M14x1	10 Pcs.	500.0085	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 21		400.1011	1095
54.1	Ball joint cable support short for ABIMIG® GRIP A		400.1323.1	1095
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor RM 50 cpl.		501.D342	1595

# MIG/MAG Welding Torches ABIMIG® GRIP A 405 LW



Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M14x1, plastic	5 Pcs.	501.D537.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M16/M8/52 US	5 Pcs.	014.D745.5	1533
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	140.0533	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 E-Cu; Ø 2.0 (10x30)	10 Pcs.	140.0653	1030
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	140.0536	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 CuCrZr; Ø 2.0 (10x30)	10 Pcs.	140.0656	1031
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.4 for alu wire (10x30)	10 Pcs.	141.0055	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
90	Contact tip M8 E-Cu; Ø 2.0 for alu wire (10x30)	10 Pcs.	141.0033	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.0536	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
100	Gas nozzle M16; ND 18; galvanized; conical L=72 mm	5 Pcs.	145.D021	1537
101	Gas nozzle M16; ND 16 galvanized; conical L=69 mm	5 Pcs.	145.D022	1537

# MIG/MAG Welding Torches ABIMIG® GRIP A 405 LW



Pos.	Description	Units	Part-No.	Product-group
102	Gas nozzle M16; ND 21 galvanized; cylindrical	5 Pcs.	145.D024	1537
103	Gas nozzle (slip-on) D15; ND 16 galvanized	5 Pcs.	145.D378.5	1537
120	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.D113	1534
120	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.D114	1534
120	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.D115	1534
120	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 3.00 m		124.D116	1534
120	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 4.00 m		124.D117	1534
120	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 5.00 m		124.D118	1534
120	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 3.00 m		124.D119	1534
120	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 4.00 m		124.D120	1534
120	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 5.00 m		124.D121	1534
200	Spanner for ABIMIG®		191.D045	1595





## MIG/MAG Welding Torches **ABIMIG® A T LW** air cooled

**“Super lightweight torches with turnable and changeable torch neck”**

The super lightweight MIG/MAG welding torch series “ABIMIG® A T LW” with ergonomic and universal two-component handle offer flexibility in perfection. They are equipped standard with ball joint, lightweight “Bikox® LW” cable assembly and exchangeable and 360° rotatable torch neck, so the torches enable ergonomic and relaxed welding in every position.

- Super lightweight “Bikox® LW” cable assembly – reduction of the torch weight up to 50 %
- Ergonomic handle, optionally available with Up/Down module – Improved working comfort
- Universal contact tip holder (contact tip holder, gas diff user and gas nozzle holder all in one) – reduction of the number of spare parts and thus the costs
- Screwable, thermally insulated gas nozzle – longer service life of the torch and cost reduction
- Turnable, quick-change torch neck – increased working comfort and reduction of service costs



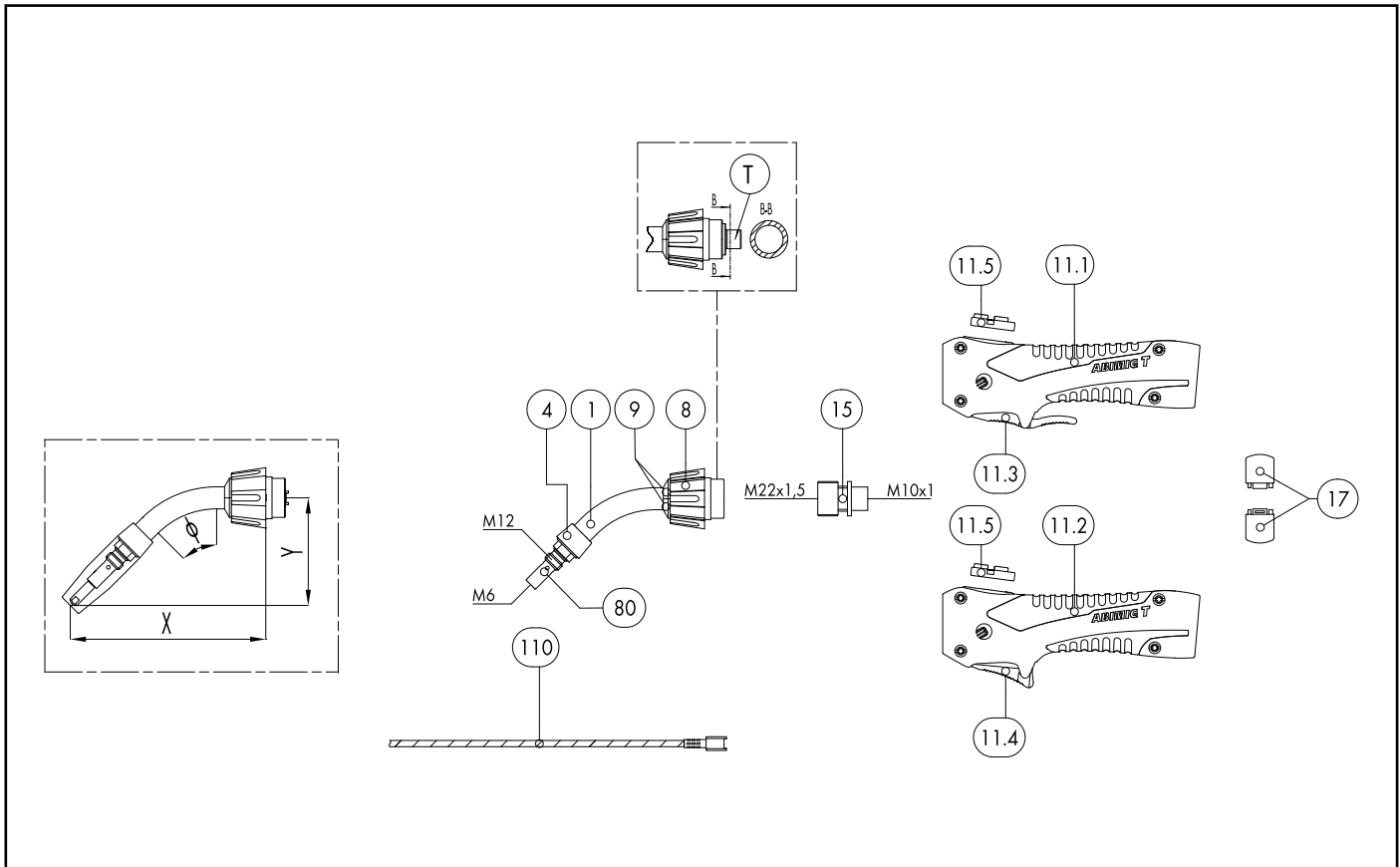
Technical data  
(EN 60 974-7)

MIG/MAG Welding Torches “ABIMIG® A T LW” (air cooled)

Type	CO <sub>2</sub>	Rating (A) Mixed gases M21	Duty cycle (%)	Wire size (mm)
<b>ABIMIG® A T 155 LW</b>	190	180	60	0.8-1.0
<b>ABIMIG® A T 255 LW</b>	240	220	60	0.8-1.2
<b>ABIMIG® A T 305 LW</b>	290	260	60	0.8-1.2
<b>ABIMIG® A T 355 LW</b>	340	320	60	1.0-1.6
<b>ABIMIG® A T 405 LW</b>	400	370	60	1.0-1.6

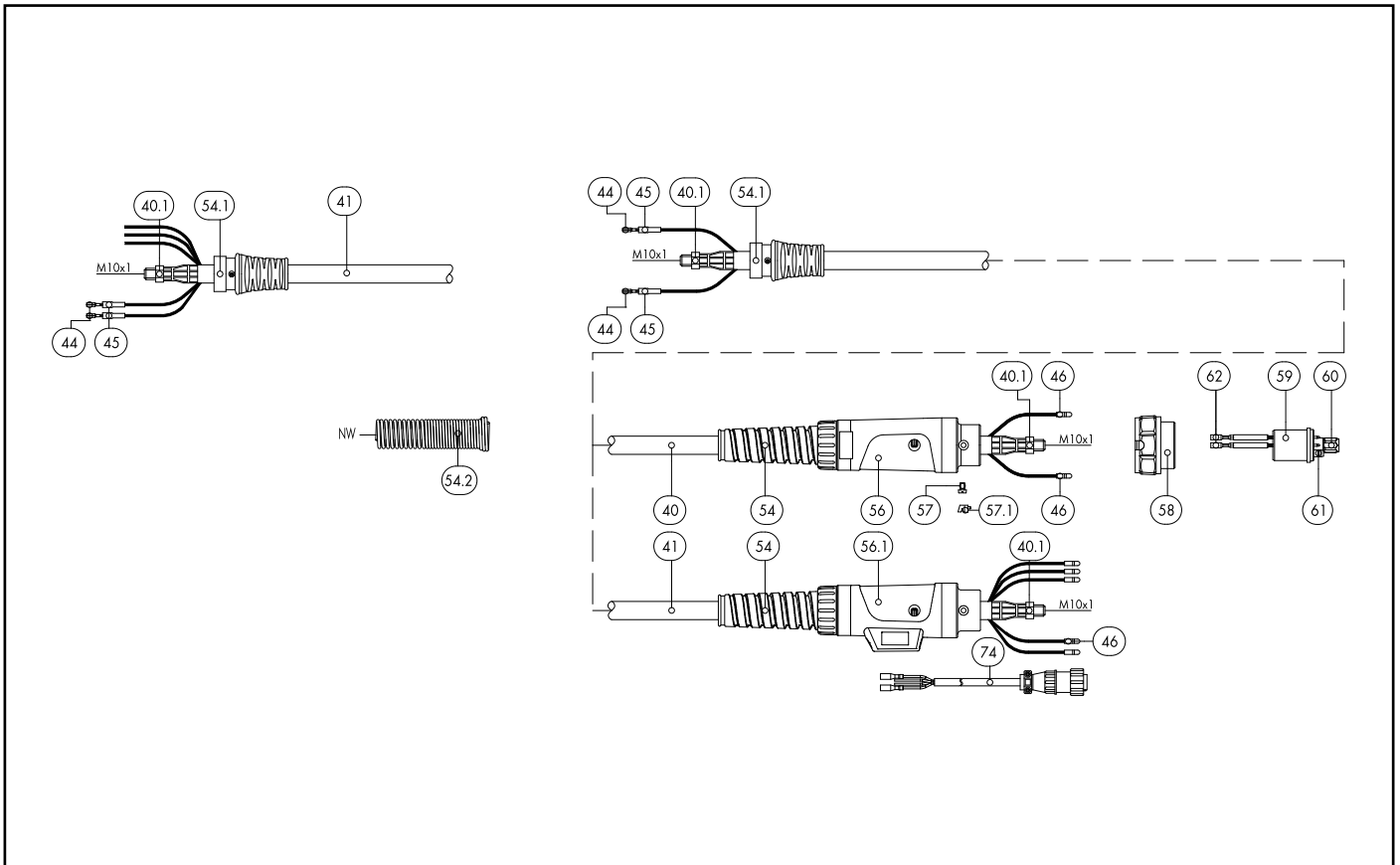
Subject to change without notice.

# MIG/MAG Welding Torches ABIMIG® A T 155 LW



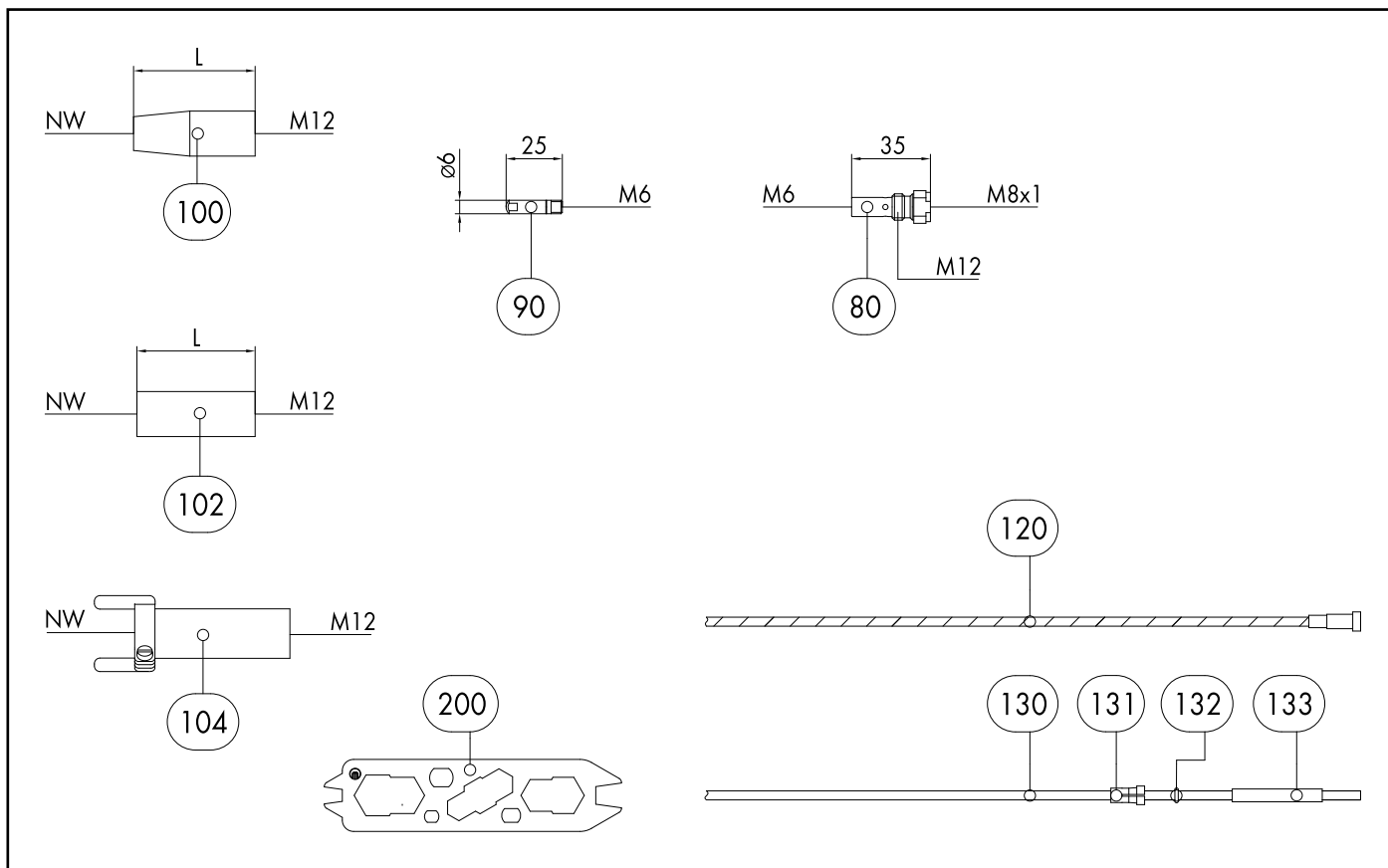
Pos.	Description	Units	Part-No.	Product-group
<b>Basic torch (complete)</b>				
	ABIMIG® A T 155 LW; T45°; central adaptor KZ-2; 3.00 m		006.D810.1	1323
	ABIMIG® A T 155 LW; T45°; central adaptor KZ-2; 4.00 m		006.D811.1	1323
	ABIMIG® A T 155 LW; T45°; central adaptor KZ-2; 5.00 m		006.D812.1	1323
<b>Combi torch (basic torch without neck and wear parts)</b>				
	ABIMIG® A T G 155 LW; central adaptor KZ-2; 3.00 m		006.D841.1	1325
	ABIMIG® A T G 155 LW; central adaptor KZ-2; 4.00 m		006.D842.1	1325
	ABIMIG® A T G 155 LW; central adaptor KZ-2; 5.00 m		006.D843.1	1325
<b>Swan neck</b>				
1	Swan neck ABIMIG® A 155 LW; 45° bent		006.D804.1	1306
1	Swan neck ABIMIG® A T 155 K T; 45°; X=105, Y=55; M6; gas nozzle screwed		006.D848.1	1306
1	Swan neck ABIMIG® A T 155 T8 FLEX; X=248; M6; gas nozzle screwed		006.D802.1	1306
1	COMBI swan neck A T 155 K T cpl.; 45°; X=105, Y=55; M6; gas nozzle screwed		006.0131.1	1306
1	COMBI swan neck A T 155 T cpl.; 45°; X=125, Y=70; M6; gas nozzle screwed		006.0132.1	1306
1	COMBI swan neck A T 155 T8 FLEX cpl.; X=248; M6; gas nozzle screwed		006.0133.1	1306
4	Spacer	5 Pcs.	767.D607.5	1595
8	Coupling nut M22x1.5		014.H279.1	1595
9	Protection cap (split) D=14 for round-neck nut	10 Pcs.	014.H281.10	1595
<b>Handle</b>				
11.1	Handle ABIMIG® A T with push-button long		180.D077.1	1595
11.1	Handle ABIMIG® A T with push-button long (without module BIS-52)		180.D079.1	1595
11.2	Handle ABIMIG® A T with push-button short		180.D078.1	1595
11.2	Handle ABIMIG® A T with push-button short (without module BIS-52)		180.D080.1	1595
11.3	Trigger long 2-pole		185.D118.1	1595
11.4	Trigger short 2-pole		185.D120.1	1595
11.5	Blind cover		400.D573.1	1595

# MIG/MAG Welding Torches ABIMIG® A T 155 LW



Pos.	Description	Units	Part-No.	Product-group
15	Torch pipe connection M22x1.5 / M10x1		014.H354.1	1595
17	Half rings (1 pair)	2 Pcs.	400.D561.2	1595
<b>Cable assembly</b>				
40	Bikox® LW power cable, R4 for 3.00 m		160.H025.1	1511
40	Bikox® LW power cable, R4 for 4.00 m		160.H026.1	1511
40	Bikox® LW cable assembly, R4 2-pole for 4.50 m		160.H380.1	1511
40	Bikox® LW power cable, R4 for 5.00 m		160.H027.1	1511
40	Bikox® LW cable assembly, R4 2-pole for 6.00 m		160.H430.1	1511
40	Bikox® LW cable assembly, R4 2-pole Up/Down for 3.00 m		160.H365.1	1511
40	Bikox® LW cable assembly, R4 2-pole Up/Down for 4.00 m		160.H366.1	1511
40	Bikox® LW cable assembly, R4 2-pole Up/Down for 4.50 m		160.H431.1	1511
40	Bikox® LW cable assembly, R4 2-pole Up/Down for 5.00 m		160.H367.1	1511
40	Bikox® LW cable assembly, R4 2-pole Up/Down for 6.00 m		160.H432.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Cable support spring ND 21		400.D205	1595
54.1	Cable support ABIMIG® A T LW (short)		400.D574.1	1595
56	Cable support machine side		501.2248	9010
56.1	Connection housing machine side cpl.; for UNI-plug		501.D578.1	1595
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

# MIG/MAG Welding Torches ABIMIG® A T 155 LW

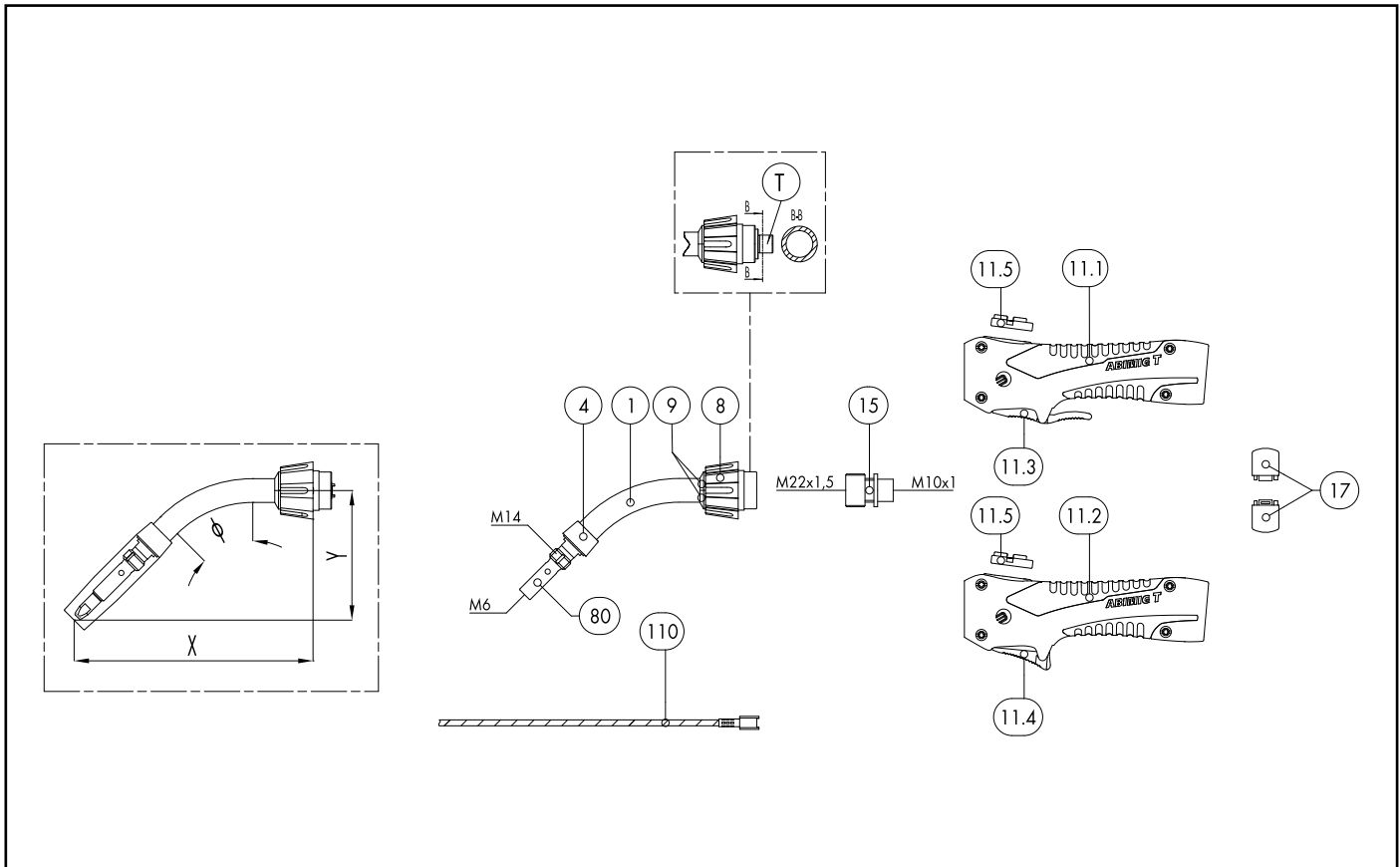


Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
74	Control cable with 4-pole Amphenol plug L=400 mm		175.D098	1595
74.1	Protective tube 4.5x0.5, L=60 mm		110.D023	1595
<b>Wear parts</b>				
80	Contact tip holder M12/M6/35 US	5 Pcs.	006.D719.5	1533
90	Contact tip M6 E-Cu; Ø 0.6 (6x25)	10 Pcs.	140.0008	1030
90	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
90	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
90	Contact tip M6 CuCrZr; Ø 0.6 (6x25)	10 Pcs.	140.0855	1031
90	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle M12; ND 12; galvanized; conical L=52 mm	5 Pcs.	145.D001	1536
100	Gas nozzle M12; NW 10; galvanized; conical L=50 mm	5 Pcs.	145.D002	1536
100	Gas nozzle M12; NW 10; galvanized; conical L=52 mm	5 Pcs.	145.D006	1536
100	Gas nozzle M12; ND 12; galvanized; conical L=54 mm	5 Pcs.	145.D004	1536
102	Gas nozzle M12; ND 17; galvanized; cylindrical L=52 mm	5 Pcs.	145.D003	1536
102	Gas nozzle M12; ND 12 blank; conical with extended insulation L=52 mm	5 Pcs.	145.D205	1536
104	Spot weld gas nozzle M12; NW 17; galvanized; L=67 mm	5 Pcs.	145.D009	1536
110	Neck liner 1.5; for wire Ø 0.6 - 1.0; for ABIMIG® T-Line		122.D037	1534
110	Neck liner 1.6; brass; for wire Ø 0.6 - 1.0; for ABIMIG® T-Line		122.D040	1534

# MIG/MAG Welding Torches ABIMIG® A T 155 LW

Pos.	Description	Units	Part-No.	Product-group
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6–0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; wire-Ø 0.6–0.8; for 6.00 m		124.0016	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 5.00 m		124.0035	1034
120	Guide spiral liner insulated; 2.0/4.5; red; wire-Ø 1.0–1.2; for 6.00 m		124.0036	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.6–1.0; for 8.00 m		126.0013	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 0.8–1.2; for 8.00 m		126.0030	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.6–1.0; for 8.00 m		127.0015	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 0.8–1.2; for 8.00 m		127.0009	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner for ABIMIG®		191.D045	1595

# MIG/MAG Welding Torches ABIMIG® A T 255 LW



## Pos. Description

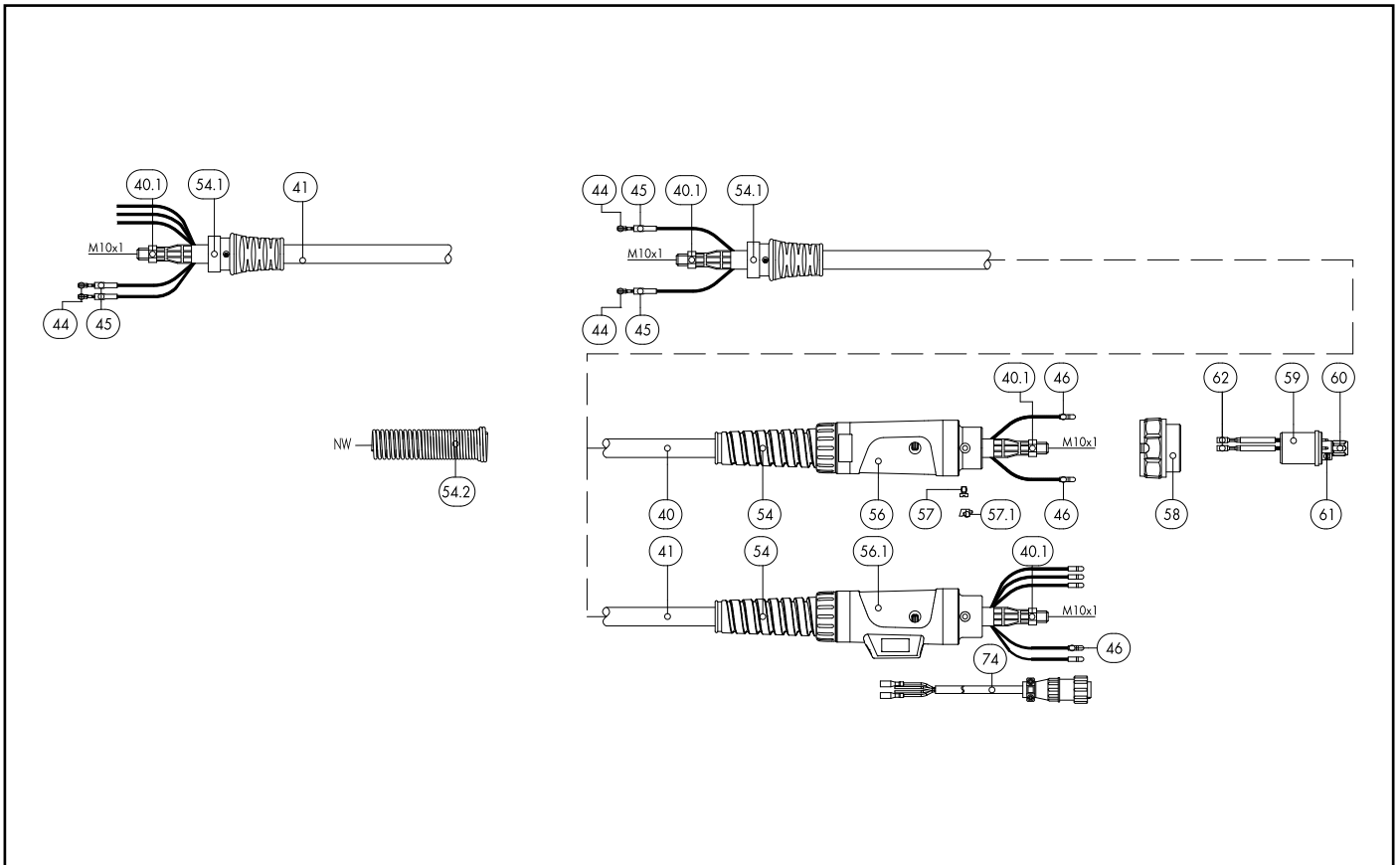
## Units

## Part-No.

## Product-group

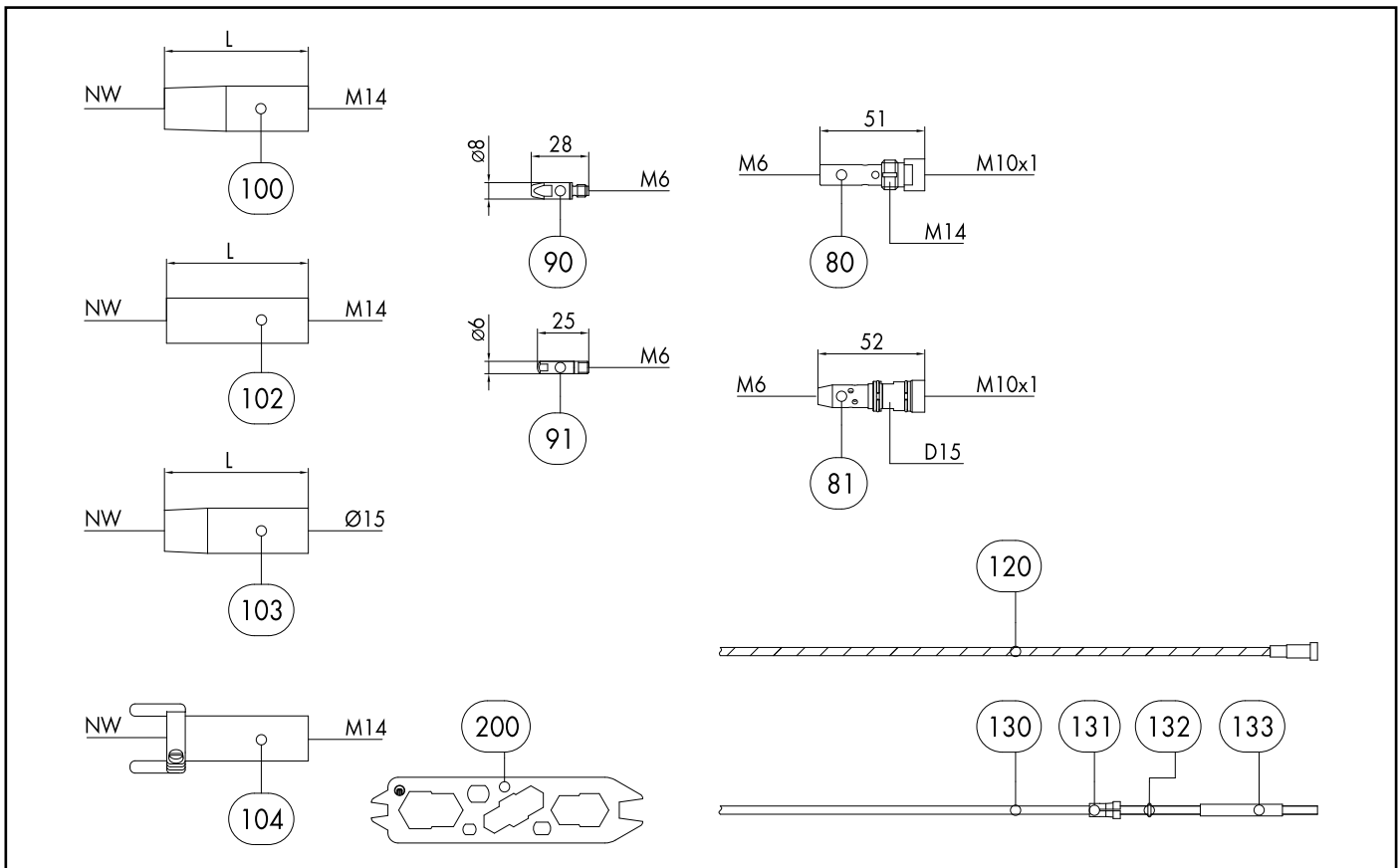
Pos.	Description	Units	Part-No.	Product-group
<b>Basic torch (complete)</b>				
	ABIMIG® A T 255 LW; T45°; central adaptor KZ-2; 3.00 m		004.D850.1	1323
	ABIMIG® A T 255 LW; T45°; central adaptor KZ-2; 4.00 m		004.D851.1	1323
	ABIMIG® A T 255 LW; T45°; central adaptor KZ-2; 5.00 m		004.D852.1	1323
<b>Combi torch (basic torch without neck and wear parts)</b>				
	ABIMIG® A T G 255 LW; central adaptor KZ-2; 3.00 m		004.D894.1	1325
	ABIMIG® A T G 255 LW; central adaptor KZ-2; 4.00 m		004.D895.1	1325
	ABIMIG® A T G 255 LW; central adaptor KZ-2; 5.00 m		004.D896.1	1325
<b>Swan neck</b>				
1	Swan neck ABMIG® A T 255K T; 45°; X=125; Y=75; gas nozzle screwed		004.D837.1	1306
1	Swan neck ABIMIG® A 255 LW; 45° bent		004.D831.1	1306
1	Swan neck ABMIG® A T 255 TM; 45°; X=160; Y=85; gas nozzle screwed		004.D842.1	1306
1	Swan neck ABMIG® A T 255 TM; 60°; X=135; Y=105; gas nozzle screwed		004.D860.1	1306
1	Swan neck ABMIG® A T 255 T; 60°; X=135; Y=106; gas nozzle screwed		004.D907.1	1306
1	Swan neck ABMIG® A T 255K TM; 45°; X=125; Y=75; gas nozzle screwed		004.D912.1	1306
1	Swan neck ABMIG® A T 255 T; 45°; X=185; Y=95; gas nozzle screwed		004.D919.1	1306
1	Swan neck ABMIG® A T 255 TM; 45°; X=185; Y=95; gas nozzle screwed		004.D924.1	1306
	Swan neck ABMIG® A T 257 T; 45°; X=160; Y=85; gas nozzle mated		004.D845.1	1306
	Swan neck ABMIG® A T 257 TM; 45°; X=160; Y=85; gas nozzle mated		004.D846.1	1306
	Swan neck ABMIG® A T 257K T; 45°; X=125; Y=75; gas nozzle mated		004.D915.1	1306
	Swan neck ABMIG® A T 257K TM; 45°; X=135; Y=105; gas nozzle mated		004.D916.1	1306
	Swan neck ABMIG® A T 257 T; 60°; X=135; Y=105; gas nozzle mated		004.D917.1	1306
	Swan neck ABMIG® A T 257 TM; 60°; X=135; Y=105; gas nozzle mated		004.D918.1	1306
	Swan neck ABMIG® A T 257 T; 45°; X=185; Y=95; gas nozzle mated		004.D927.1	1306
	Swan neck ABMIG® A T 257 TM; 45°; X=185; Y=95; gas nozzle mated		004.D928.1	1306
	Swan neck ABMIG® A T 255 T8 FLEX; X=567; gas nozzle screwed		004.D826.1	1306

# MIG/MAG Welding Torches ABIMIG® A T 255 LW



Pos.	Description	Units	Part-No.	Product-group
	COMBI swan neck A T 255K TM cpl.; 45°; X=125; Y=75; gas nozzle screwed		004.0638.1	1306
	COMBI swan neck A T 255K T cpl.; 45°; X=125; Y=75; gas nozzle screwed		004.0639.1	1306
	COMBI swan neck A T 255 TM cpl.; 45°; X=160; Y=85; gas nozzle screwed		004.0640.1	1306
	COMBI swan neck A T 255 T cpl.; 45°; X=160; Y=85; gas nozzle screwed		004.0641.1	1306
	COMBI swan neck A T 255 TM cpl.; 60°; X=135; Y=105; gas nozzle screwed		004.0642.1	1306
	COMBI swan neck A T 255 T cpl.; 60°; X=135; Y=105; gas nozzle screwed		004.0643.1	1306
	COMBI swan neck A T 255L TM cpl.; 45°; X=185; Y=95; gas nozzle screwed		004.0644.1	1306
	COMBI swan neck A T 255L T cpl.; 45°; X=185; Y=95 gas nozzle screwed		004.0645.1	1306
	COMBI swan neck A T 255 T8 FLEX cpl.; X=250; gas nozzle screwed		004.0646.1	1306
4	Spacer	5 Pcs.	767.D637.5	1595
8	Coupling nut M22x1.5		014.H279.1	1595
9	Protective cab (split) D=16 for round-neck nut	10 Pcs.	014.H282.10	1595
	<b>Handle</b>			
11.1	Handle ABIMIG® A T with push-button long		180.D077.1	1595
11.1	Handle ABIMIG® A T with push-button long (without module BIS-52)		180.D079.1	1595
11.2	Handle ABIMIG® A T with push-button short		180.D078.1	1595
11.2	Handle ABIMIG® A T with push-button short (without module BIS-52)		180.D080.1	1595
11.3	Trigger long 2-pole		185.D118.1	1595
11.4	Trigger short 2-pole		185.D120.1	1595
11.5	Blind cover		400.D573.1	1595
15	Torch pipe connection M22x1.5 / M10x1		014.H354.1	1595
17	Half rings (1 pair)	2 Pcs.	400.D561.2	1595
	<b>Cable assembly</b>			
40	Bikox® LW power cable, R5 for 3.00 m		160.H032.1	1511
40	Bikox® LW power cable, R5 for 4.00 m		160.H033.1	1511
40	Bikox® LW cable assembly, R5 2-pole for 4.50 m		160.H242.1	1511

# MIG/MAG Welding Torches ABIMIG® A T 255 LW



Pos.	Description	Units	Part-No.	Product-group
40	Bikox® LW power cable, R5 for 5.00 m		160.H034.1	1511
40	Bikox® LW cable assembly, R5 2-pole for 6.00 m		160.H433.1	1511
40	Bikox® LW cable assembly, R5 2-pole Up/Down for 3.00 m		160.H368.1	1511
40	Bikox® LW cable assembly, R5 2-pole Up/Down for 4.00 m		160.H369.1	1511
40	Bikox® LW cable assembly, R5 2-pole Up/Down for 4.50 m		160.H434.1	1511
40	Bikox® LW cable assembly, R5 2-pole Up/Down for 5.00 m		160.H370.1	1511
40	Bikox® LW cable assembly, R5 2-pole Up/Down for 6.00 m		160.H435.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Cable support ABIMIG® A T LW (short)		400.D574.1	1595
54.1	Cable support spring ND 21		400.D205	1595
56	Cable support machine side		501.2248	9010
56.1	Connection housing machine side cpl.; for UNI-plug		501.D578.1	1595
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
74	Control cable with 4-pole Amphenol plug L=400 mm		175.D098	1595
<b>Wear parts</b>				
80	Contact tip holder M14/M6/51 US	5 Pcs.	004.D624.5	1533

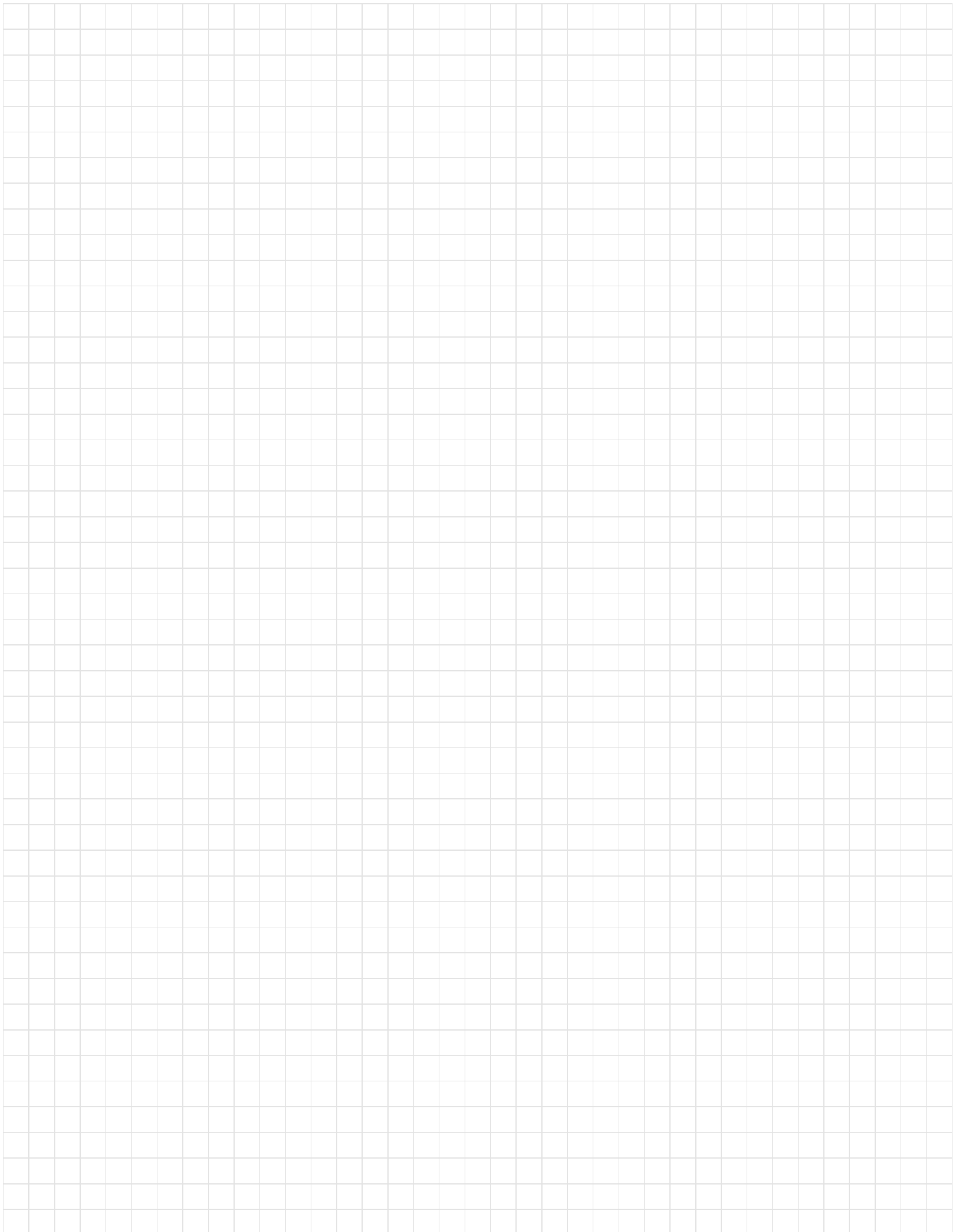


# MIG/MAG Welding Torches ABIMIG® A T 255 LW

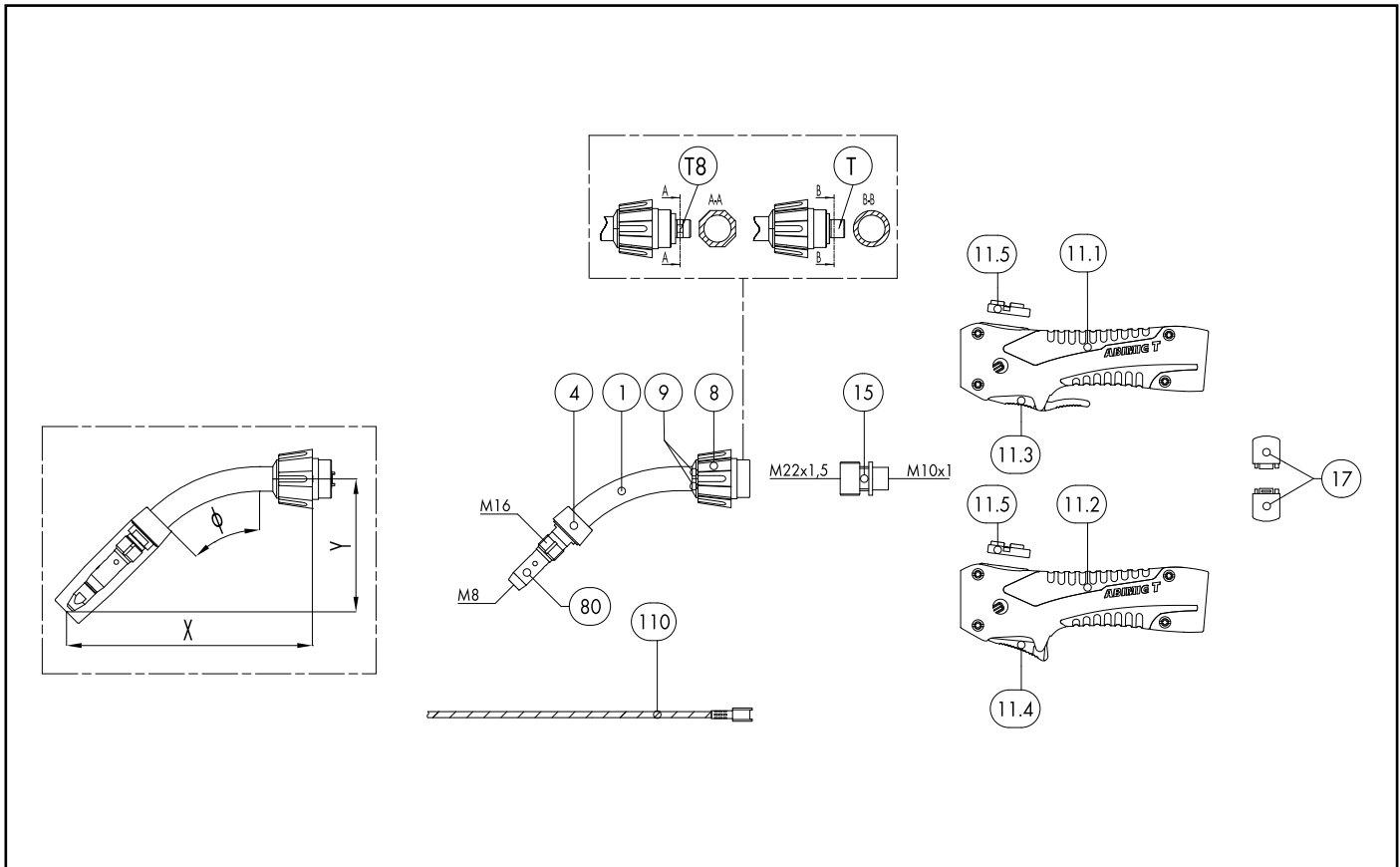
Pos.	Description	Units	Part-No.	Product-group
81	Contact tip holder D15/M8/53 for slip-on gas nozzle	5 Pcs.	004.D763.5	1533
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
90	Contact tip M6 HDS silver-plated; Ø 0.9 (8x28)	10 Pcs.	147.5172.10	5038
90	Contact tip M6 HDS silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.5245	5038
90	Contact tip M6 HDS silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.5382	5038
91	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
91	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
91	Contact tip M6 E-Cu; Ø 1.2 (6x25)	10 Pcs.	140.0387	1030
91	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
91	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
91	Contact tip M6 CuCrZr; Ø 1.2 (6x25)	10 Pcs.	140.0390	1031
91	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
91	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
91	Contact tip M6 E-Cu; Ø 1.2 for alu wire (6x25)	10 Pcs.	141.0011	1030
91	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
91	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
91	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (6x25)	10 Pcs.	147.0390	1031
100	Gas nozzle M14; ND 16; galvanized	5 Pcs.	145.D011	1536
	Gas nozzle M14; ND 14; galvanized; conical L=67 mm	5 Pcs.	145.D012	1536
	Gas nozzle M14; ND 16 blank; with extended insulation	5 Pcs.	145.D195	1536
	Gas nozzle M14; NW 12; galvanized; conical L=67 mm	5 Pcs.	145.D013	1536
	Gas nozzle M14; NW 10; galvanized; conical L=67 mm	5 Pcs.	145.D268	1537
	Gas nozzle M14; ND 14; galvanized; conical L=67 mm	5 Pcs.	145.D012	1536
	Gas nozzle M14; NW 16; blank; conical L=70 mm	5 Pcs.	145.D190	1536
	Gas nozzle M14; NW 14; galvanized; conical L=70 mm	5 Pcs.	145.D016	1536
	Gas nozzle M14; NW 12; galvanized; conical L=70 mm	5 Pcs.	145.D015	1536
102	Gas nozzle M14; ND 18 galvanized; cylindrical L=67 mm	5 Pcs.	145.D014	1536
103	Gas nozzle (slip-on) D15; ND 16 galvanized	5 Pcs.	145.D375.5	1537
	Gas nozzle pluggable D15; NW 14; galvanized; conical L=70 mm; with extended insulation	5 Pcs.	145.D452.5	1537
	Gas nozzle pluggable D15; NW 12 galvanized; conical L=70 mm; with extended insulation	5 Pcs.	145.D451.5	1537
104	Spot weld gas nozzle M14; NW 18; galvanized; L=87 mm; with extended insulation	5 Pcs.	145.D019	1536
110	Neck liner 1.5; for wire Ø 0.6-1.0; for ABIMIG® T-Line		122.D037	1534
110	Neck liner 2.0; for wire Ø 1.0-1.2; for ABIMIG® T-Line		122.D038	1534
110	Neck liner 1.6; brass; for wire Ø 0.6-1.0; for ABIMIG® T-Line		122.D040	1534
110	Neck liner 2.2; brass; for wire Ø 1.0-1.4; for ABIMIG® T-Line		122.D041	1534
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; wire-Ø 0.6-0.8; for 6.00 m		124.0016	1034



# Notes

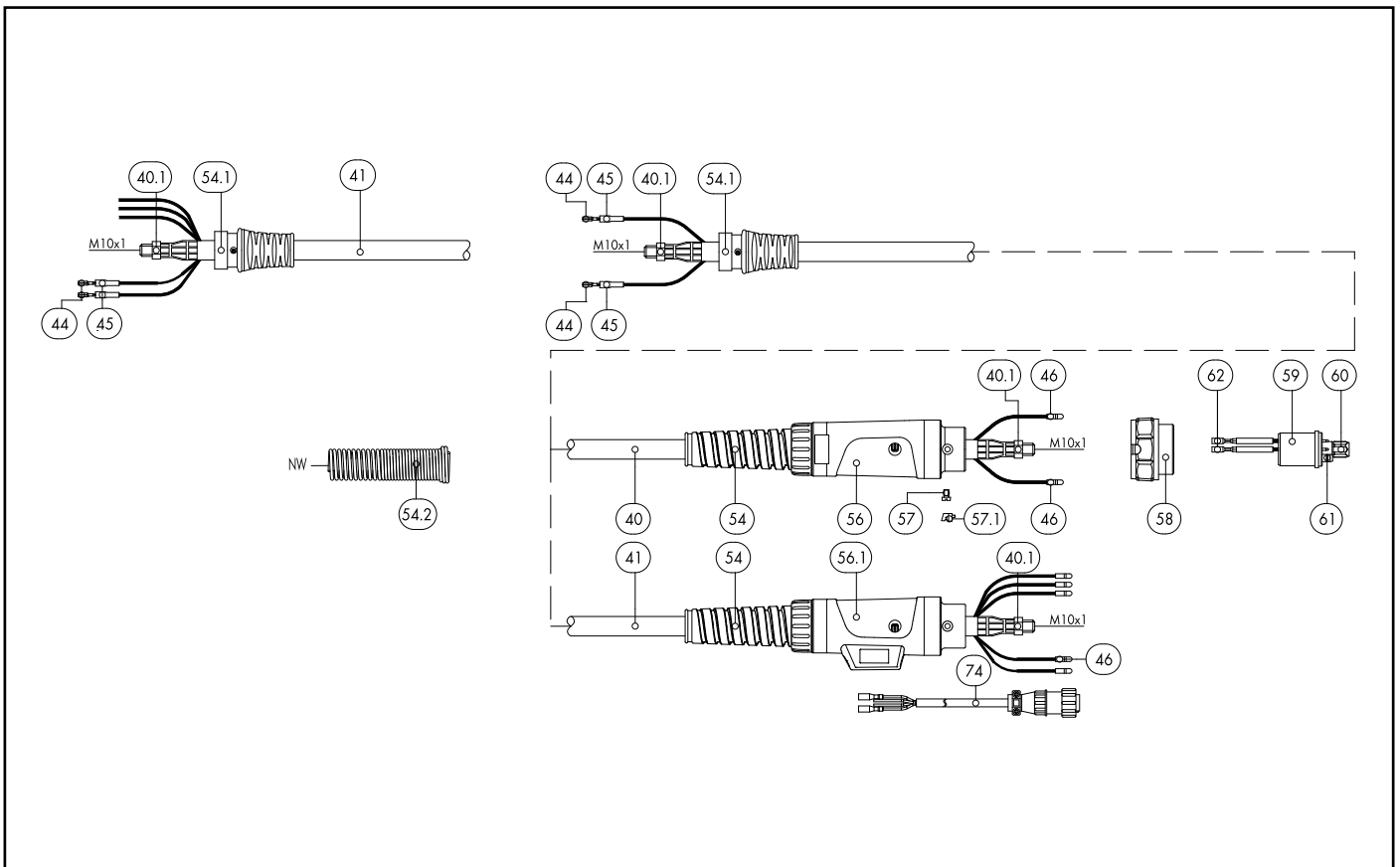


# MIG/MAG Welding Torches ABIMIG® A T 305 LW



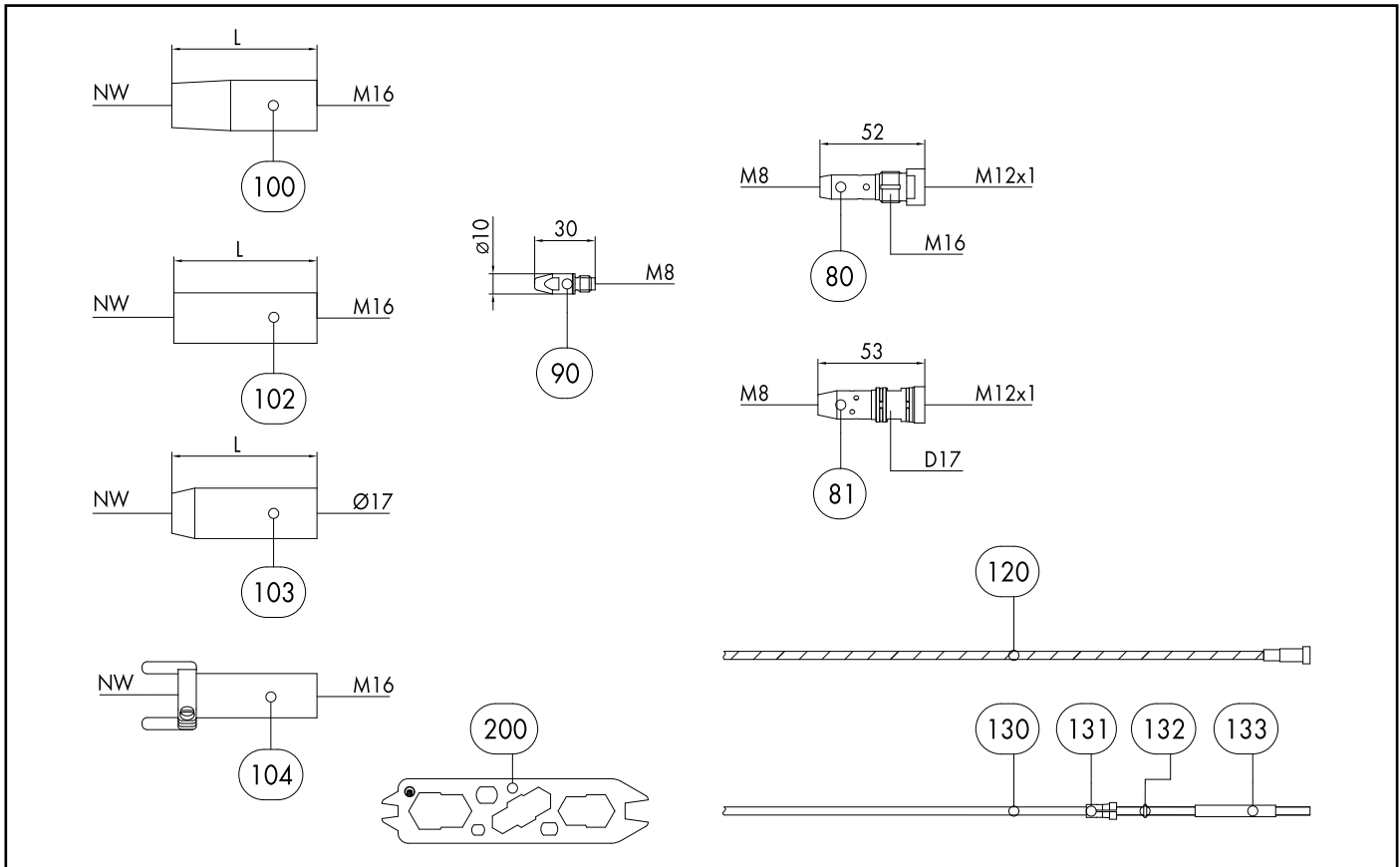
Pos.	Description	Units	Part-No.	Product-group
<b>Basic torch (complete)</b>				
	ABIMIG® A T 305 LW; TM45°; central adaptor KZ-2; 3.00 m		018.D960.1	1324
	ABIMIG® A T 305 LW; TM45°; central adaptor KZ-2; 4.00 m		018.D961.1	1324
	ABIMIG® A T 305 LW; TM45°; central adaptor KZ-2; 5.00 m		018.D962.1	1324
<b>Combi torch (basic torch without neck and wear parts)</b>				
	ABIMIG® A T G 305 LW; central adaptor KZ-2; 3.00 m		018.D978.1	1326
	ABIMIG® A T G 305 LW; central adaptor KZ-2; 4.00 m		018.D979.1	1326
	ABIMIG® A T G 305 LW; central adaptor KZ-2; 5.00 m		018.D980.1	1326
<b>Swan neck</b>				
1	Swan neck ABIMIG® A T 305K TM; 45°; X=130; Y=85		014.H403.1	1308
1	Swan neck ABIMIG® A 305 LW; 45° bent		014.H356.1	1308
1	Swan neck ABIMIG® A 355 LW; 45° bent		014.H363.1	1308
1	Swan neck ABIMIG® A T 305/355 T8M; 45°; X=185; Y=95		014.H370.1	1308
1	Swan neck ABIMIG® A T 305/355 TM; 45°; X=350; Y=95		014.H374.1	1308
1	Swan neck ABIMIG® A T 305/355 TM; 45°; X=500; Y=95		014.H380.1	1308
1	Swan neck ABIMIG® A T 305/355 TM; 60°; X=165; Y=110		014.H413.1	1308
1	Swan neck ABIMIG® A T 305/355 T8M; 60°; X=165; Y=110		014.H415.1	1308
1	Swan neck ABIMIG® A T 305K T8M; 45°; X=135; Y=75		014.H583.1	1308
1	Swan neck ABIMIG® A T 305/355K T8M; 45°; X=0160; Y=85		014.H588.1	1308
1	Swan neck ABIMIG® A T 355 T8M; 45°; X=350; Y=95		014.H555.1	1308
1	Swan neck ABIMIG® A T 355 T8M; 45°; X=500; Y=95		014.H560.1	1308
	Swan neck ABIMIG® A T 307K TM; 45°; X=135; Y=85; gas nozzle mated		014.H409.1	1308
	Swan neck ABIMIG® A T 307/357K TM; 45°; X=160; Y=85; gas nozzle mated		014.H387.1	1308
	Swan neck ABIMIG® A T 307/357 TM; 45°; X=185; Y=95; gas nozzle mated		014.H388.1	1308
	Swan neck ABIMIG® A T 307/357 T8M; 45°; X=185; Y=95; gas nozzle mated		014.H389.1	1308
	Swan neck ABIMIG® A T 307K T8M; 45; X=135; Y=85; gas nozzle mated		014.H587.1	1308

# MIG/MAG Welding Torches ABIMIG® A T 305 LW



Pos.	Description	Units	Part-No.	Product-group
	Swan neck ABIMIG® A T 307/357K T8M; 45°; X=160, Y=85; gas nozzle mated		014.H592.1	1308
	Swan neck ABIMIG® A T 307/357K TM; 45°; X=165, Y=110; gas nozzle mated		014.H594.1	1308
	Swan neck ABIMIG® A T 307/357K T8M; 45°; X=165, Y=110; gas nozzle mated		014.H596.1	1308
	Swan neck ABIMIG® A T 357 T8M; 45°; X=360, Y=95; gas nozzle mated		014.H597.1	1308
	Swan neck ABIMIG® A T 357 TM; 45°; X=500, Y=95; gas nozzle mated		014.H398.1	1326
	Swan neck ABIMIG® A T 357 T8M; 45°; X=500; Y=95; gas nozzle mated		014.H399.1	1326
	Swan neck ABIMIG® A T 305 T8 FLEX; X=260		018.D801	1308
	COMBI swan neck A T 305K TM cpl.; 45°; X=135, Y=75; gas nozzle screwed		014.0467.1	1308
	COMBI swan neck A T 305K T8M cpl.; 45°; X=135, Y=75; gas nozzle screwed		014.0468.1	1308
	COMBI swan neck A T 305/355K TM cpl.; 45°; X=160, Y=85; gas nozzle screwed		014.0469.1	1308
	COMBI swan neck A T 305/355K T8M cpl.; 45°; X=160, Y=85; gas nozzle screwed		014.0470.1	1308
	COMBI swan neck A T 305/355K TM cpl.; 60°; X=165, Y=110; gas nozzle screwed		014.0471.1	1308
	COMBI swan neck A T 305/355K T8M cpl.; 60°; X=165, Y=110; gas nozzle screwed		014.0472.1	1308
	COMBI swan neck A T 305/355K TM cpl.; 45°; X=185; Y=95; gas nozzle screwed		014.0473.1	1308
	COMBI swan neck A T 305/355K T8M cpl.; 45°; X=185, Y=95; gas nozzle screwed		014.0474.1	1308
	COMBI swan neck A T 305XL TM cpl.; 45°; X=350; Y=95; gas nozzle screwed		014.0475.1	1308
	COMBI swan neck A T 305XL T8M cpl.; 45°; X=350; Y=95; gas nozzle screwed		014.0476.1	1308
	COMBI swan neck A T 305XXL TM cpl.; 45°; X=500; Y=95; gas nozzle screwed		014.0477.1	1308
	COMBI swan neck A T 305XXL T8M cpl.; 45°; X=500; Y=95; gas nozzle screwed		014.0478.1	1308
	COMBI swan neck A T 305 T8 FLEX cpl.; X=260; gas nozzle screwed		018.0191.1	1308
4	Spacer	5 Pcs.	767.D668.5	1595
4	Spacer HD	5 Pcs.	767.D898.5	1595
8	Coupling nut M22x1.5		014.H279.1	1595
9	Protective cab (split) D=16 for round-neck nut	10 Pcs.	014.H282.10	1595
<b>Handle</b>				
11.1	Handle ABIMIG® A T with push-button long		180.D077.1	1595

# MIG/MAG Welding Torches ABIMIG® A T 305 LW



Pos.	Description	Units	Part-No.	Product-group
11.1	Handle ABIMIG® A T with push-button long (without module BIS-52)		180.D079.1	1595
11.2	Handle ABIMIG® A T with push-button short		180.D078.1	1595
11.2	Handle ABIMIG® A T with push-button short (without module BIS-52)		180.D080.1	1595
11.3	Trigger long 2-pole		185.D118.1	1595
11.4	Trigger short 2-pole		185.D120.1	1595
11.5	Blind cover		400.D573.1	1595
15	Torch pipe connection M22x1.5 / M10x1		014.H354.1	1595
17	Half rings (1 pair)	2 Pcs.	400.D561.2	1595
<b>Cable assembly</b>				
40	Bikox® LW power cable, R6 for 3.00 m		160.H039.1	1511
40	Bikox® LW power cable, R6 for 4.00 m		160.H040.1	1511
40	Bikox® LW cable assembly, R6 2-pole for 4.50 m		160.H378.1	1511
40	Bikox® LW power cable, R6 for 5.00 m		160.H041.1	1511
40	Bikox® LW cable assembly, R6 2-pole for 6.00 m		160.H436.1	1511
40	Bikox® LW cable assembly, R6 5-pole Up/Down for 3.00 m		160.H371.1	1511
40	Bikox® LW cable assembly, R6 5-pole Up/Down for 4.00 m		160.H372.1	1511
40	Bikox® LW cable assembly, R6 5-pole Up/Down for 4.50 m		160.H437.1	1511
40	Bikox® LW cable assembly, R6 5-pole Up/Down for 5.00 m		160.H373.1	1511
40	Bikox® LW cable assembly, R6 5-pole Up/Down for 6.00 m		160.H438.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support NW 21		400.D518.1	1595
54.1	Cable support ABIMIG® A T LW (short)		400.D574.1	1595
54.1	Cable support spring NW 22		400.D501.1	1595

# MIG/MAG Welding Torches ABIMIG® A T 305 LW

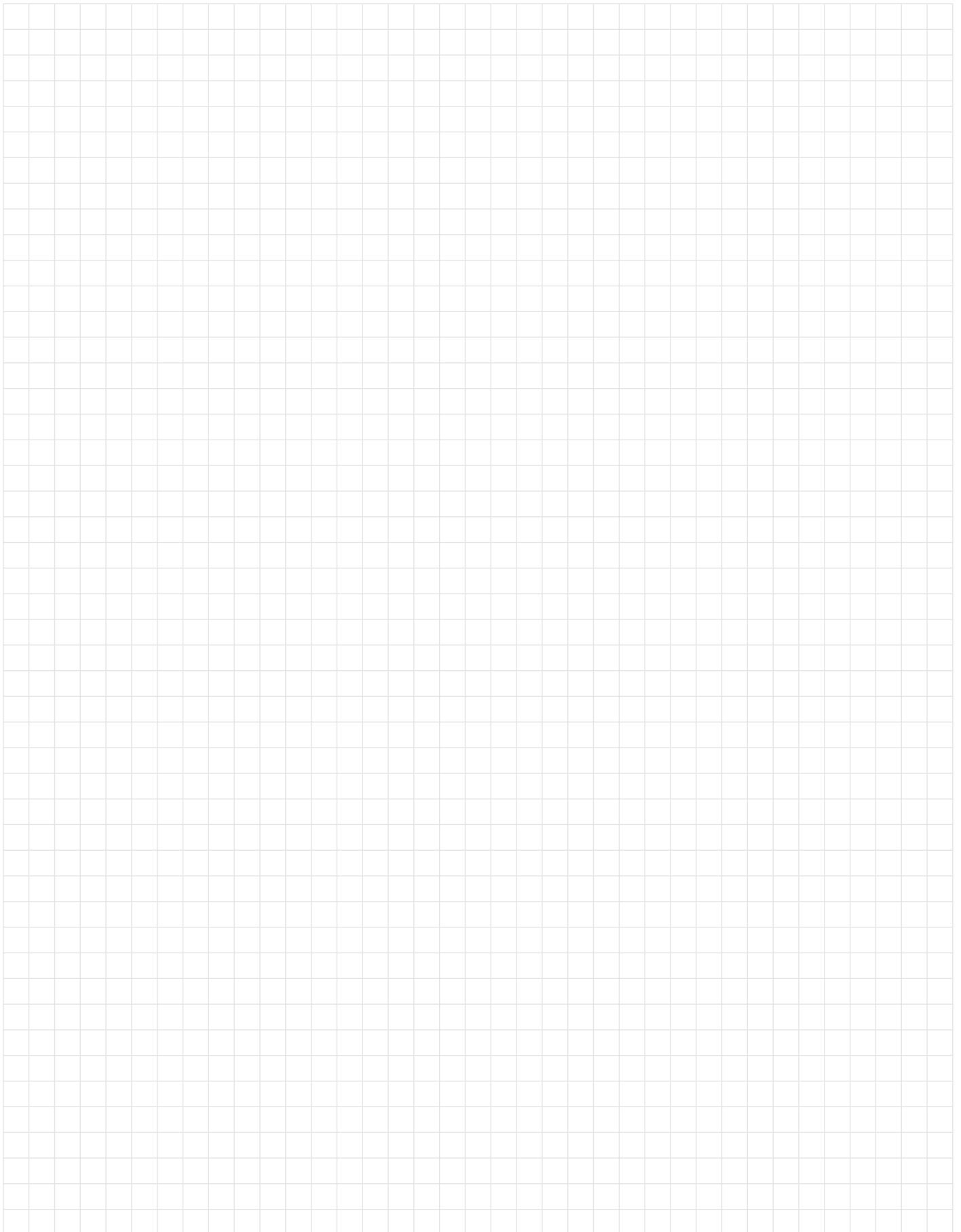
Pos.	Description	Units	Part-No.	Product-group
56	Cable support machine side		501.2248	9010
56.1	Connection housing machine side cpl.; for UNI-plug		501.D578.1	1595
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
74	Control cable with 4-pole Amphenol plug L=400 mm		175.D098	1595
74.1	Protective tube 4.5x0.5, L=60 mm		110.D023	1595
<b>Wear parts</b>				
80	Contact tip holder M16/M8/52 US	5 Pcs.	014.D745.5	1533
81	Contact tip holder D17/M8/53 for slip-on gas nozzle	5 Pcs.	014.H129.5	1533
	Contact tip holder D17/M8/51 cpl.; for pluggable gas nozzle XX7	5 Pcs.	014.H194.5	1533
90	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	140.0533	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	140.0536	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.4 for alu wire (10x30)	10 Pcs.	141.0055	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.0536	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
90	Contact tip M8 HDS silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.5316	5038
90	Contact tip M8 HDS silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.5445	5038
90	Contact tip M8 HDS silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.5536	5038
90	Contact tip M8 HDS silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.5590	5038
100	Gas nozzle M16; ND 18; galvanized; conical L=72 mm	5 Pcs.	145.D021	1537
100	Gas nozzle M16; ND 18 blank; with extended insulation	5 Pcs.	145.D194	1537
	Gas nozzle M16; ND 16 galvanized; conical L=69 mm	5 Pcs.	145.D022	1537
	Gas nozzle M16; NW 14; galvanized; conical L=69 mm	5 Pcs.	145.D023	1537
	Gas nozzle M16; NW 18; galvanized; conical L=72 mm	5 Pcs.	145.D036	1537
	Gas nozzle M16; NW 16; galvanized; conical L=72 mm	5 Pcs.	145.D026	1537
	Gas nozzle M16; ND 15 blank; with extended insulation	5 Pcs.	145.D217	1537
	Gas nozzle M16; NW 12; galvanized; conical L=72 mm	5 Pcs.	145.D025	1537
	Gas nozzle M16; NW 10; galvanized; conical L=69 mm	5 Pcs.	145.D267	1537
102	Gas nozzle M16; ND 21 galvanized; cylindrical	5 Pcs.	145.D024	1537
102	Gas nozzle M16; NW 21; galvanized; cylindrical L=72 mm; with extended insulation	5 Pcs.	145.D353	1537

# MIG/MAG Welding Torches ABIMIG® A T 305 LW

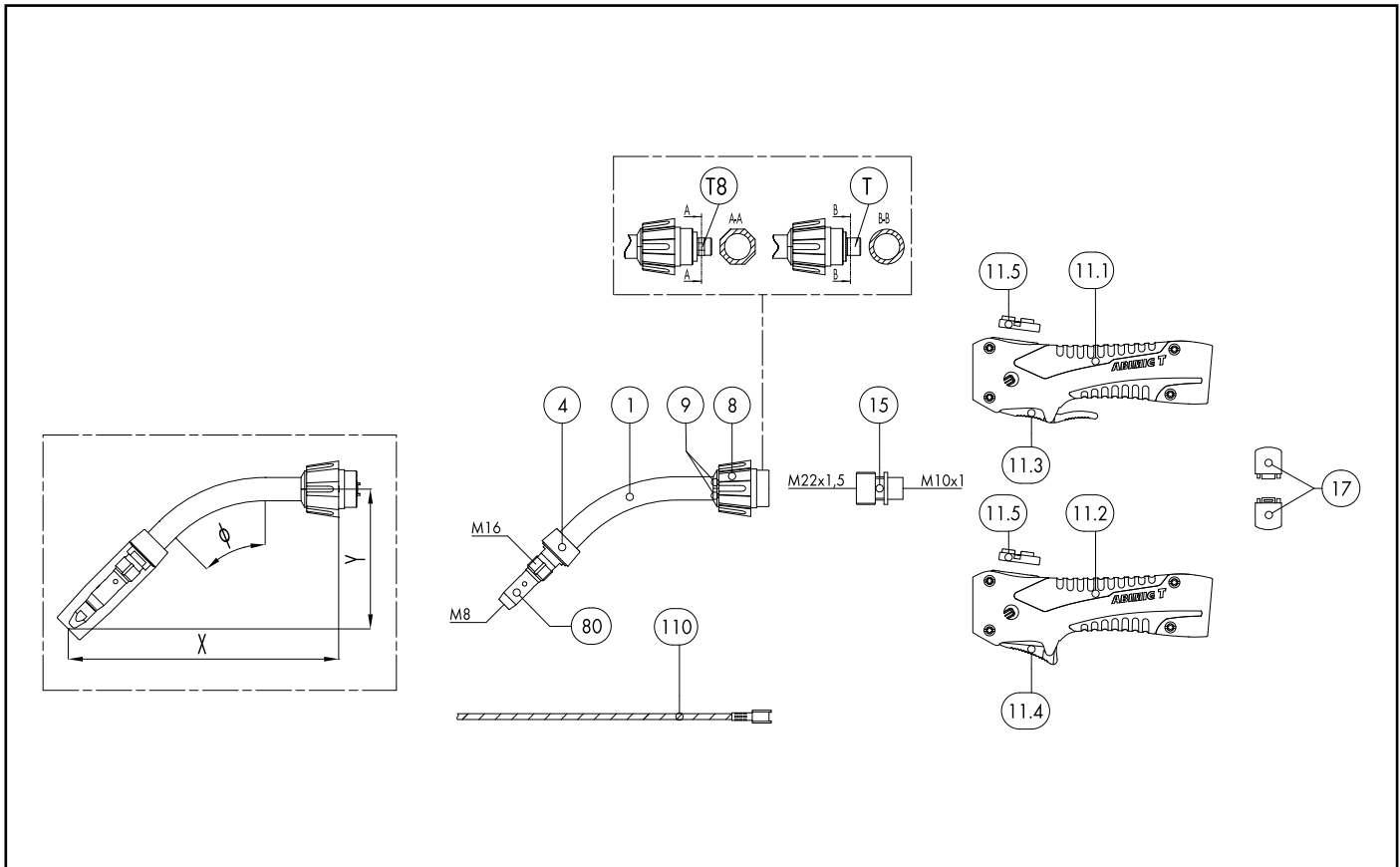
Pos.	Description	Units	Part-No.	Product-group
103	Gas nozzle (slip-on) D15; ND 16 galvanized	5 Pcs.	145.D378.5	1537
	Gas nozzle pluggable D17; NW 13; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	145.D438.5	1537
	Gas nozzle pluggable D17; NW 18; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	145.D439.5	1537
104	Spot weld gas nozzle M16; NW 21; galvanized; L=91 mm		145.D028	1537
110	Neck liner 1.5; for wire Ø 0.6-1.0; for ABIMIG® T-Line		122.D037	1534
110	Neck liner 2.0; for wire Ø 1.0-1.2; for ABIMIG® T-Line		122.D038	1534
110	Neck liner 2.5; for wire Ø 1.2-1.4; for ABIMIG® T-Line		122.D039	1534
110	Neck liner 1.6; brass; for wire Ø 0.6-1.0; for ABIMIG® T-Line		122.D040	1534
110	Neck liner 2.2; brass; for wire Ø 1.0-1.4; for ABIMIG® T-Line		122.D041	1534
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; wire-Ø 0.6-0.8; for 6.00 m		124.0016	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
120	Guide spiral liner insulated; 2.0/4.5; red; wire-Ø 1.0-1.2; for 6.00 m		124.0036	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 3.00 m		124.0041	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 4.00 m		124.0042	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 5.00 m		124.0044	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; wire Ø 1.4-1.6; for 6.00 m		124.0045	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.6-1.0; for 8.00 m		126.0013	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 0.8-1.2; for 8.00 m		126.0030	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.6-1.0; for 8.00 m		127.0015	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 0.8-1.2; for 8.00 m		127.0009	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner for ABIMIG®		191.D045	1595



# Notes

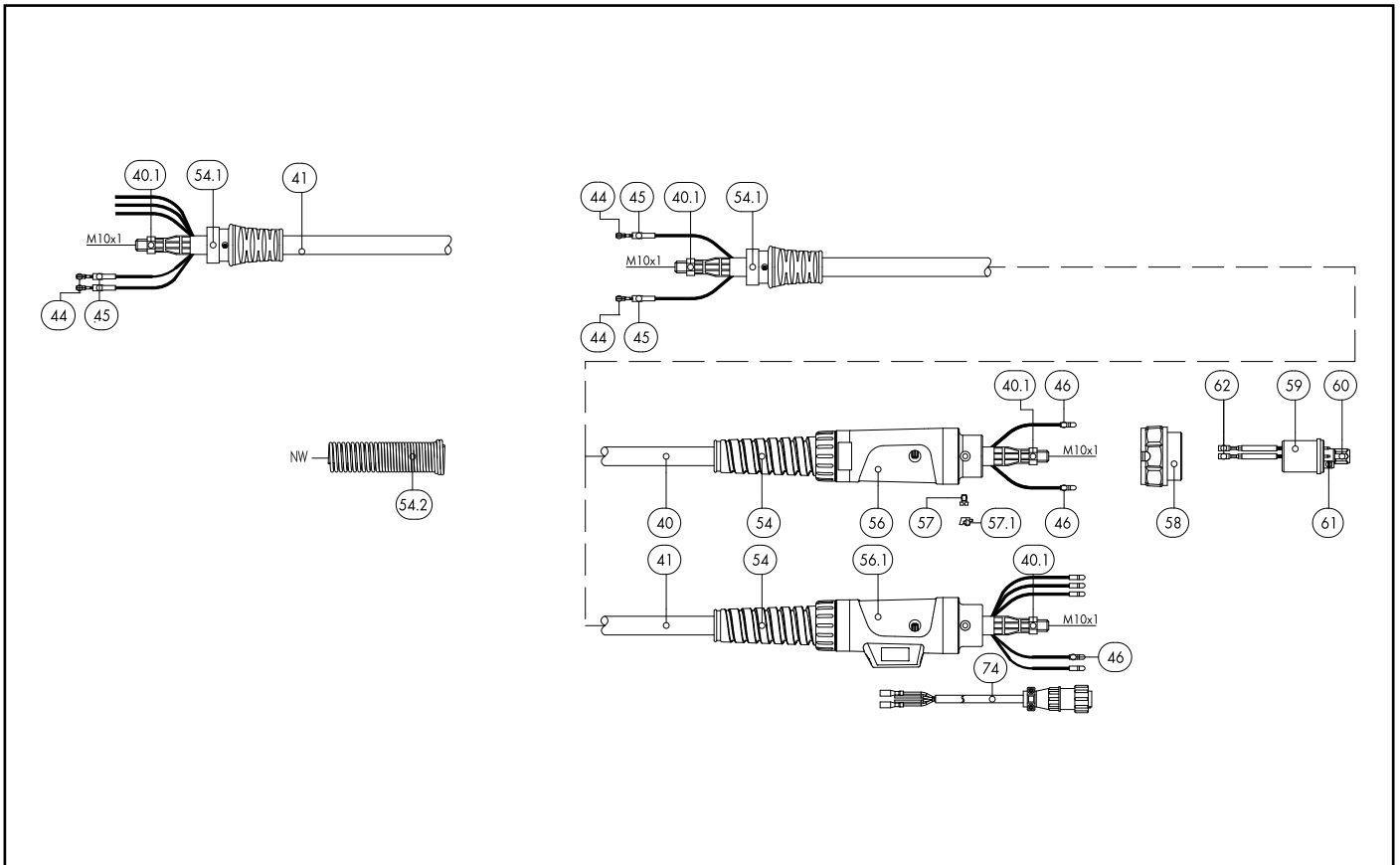


# MIG/MAG Welding Torches ABIMIG® A T 355 LW



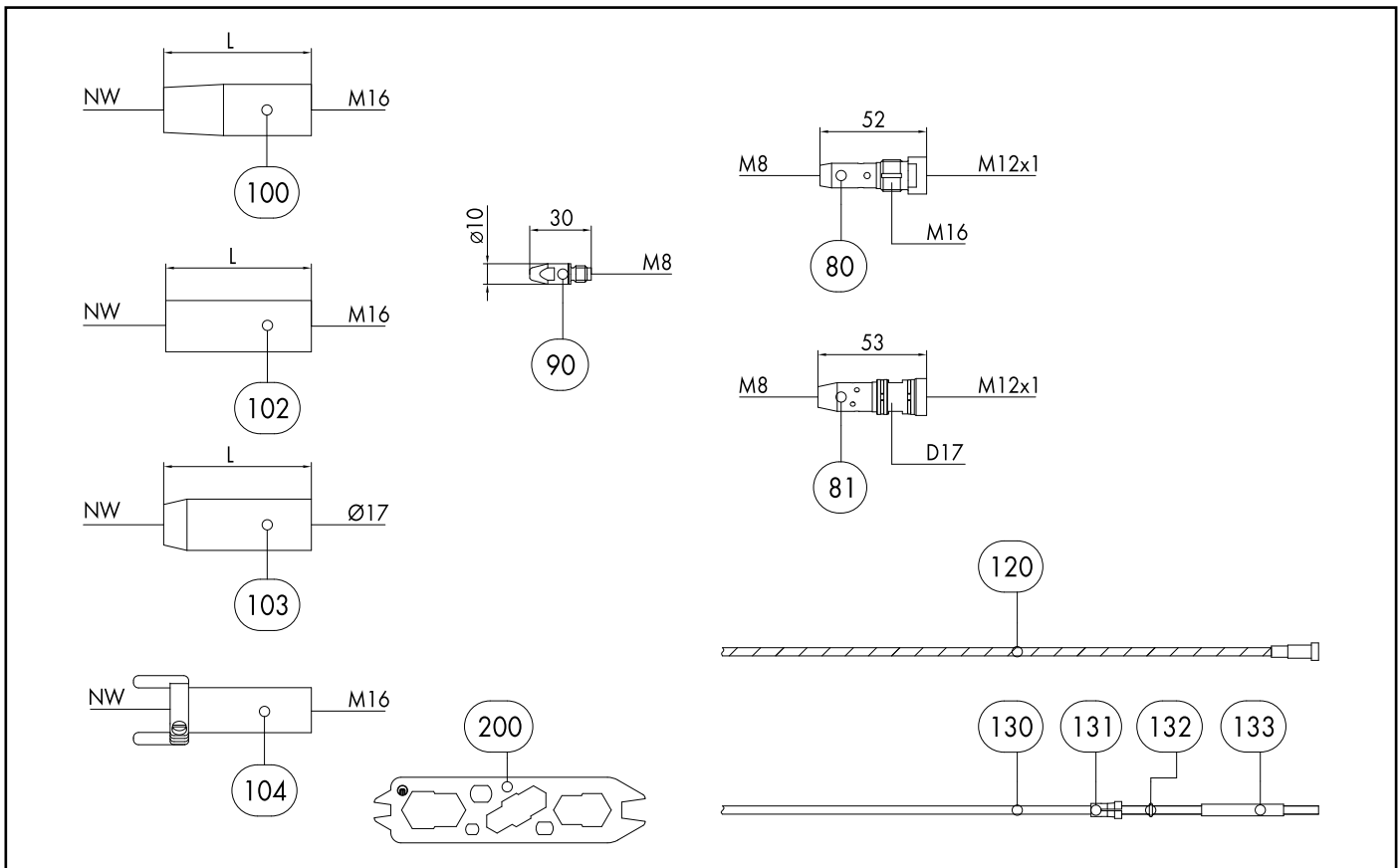
Pos.	Description	Units	Part-No.	Product-group
	<b>Basic torch (complete)</b>			
	ABIMIG® A T 355 LW; TM45°; central adaptor KZ-2; 3.00 m		014.H390.1	1324
	ABIMIG® A T 355 LW; TM45°; central adaptor KZ-2; 4.00 m		014.H391.1	1324
	ABIMIG® A T 355 LW; TM45°; central adaptor KZ-2; 5.00 m		014.H392.1	1324
	<b>Combi torch (basic torch without neck and wear parts)</b>			
	ABIMIG® A T G 355 LW; central adaptor KZ-2; 3.00 m		014.H544.1	1326
	ABIMIG® A T G 355 LW; central adaptor KZ-2; 4.00 m		014.H545.1	1326
	ABIMIG® A T G 355 LW; central adaptor KZ-2; 5.00 m		014.H546.1	1326
	<b>Swan neck</b>			
1	Swan neck ABIMIG® A 305 LW; 45° bent		014.H356.1	1308
1	Swan neck ABIMIG® A 355 LW; 45° bent		014.H363.1	1308
1	Swan neck ABIMIG® A T 305/355 T8M; 45°; X=185; Y=95		014.H370.1	1308
1	Swan neck ABIMIG® A T 305/355 TM; 45°; X=350; Y=95		014.H374.1	1308
1	Swan neck ABIMIG® A T 305/355 TM; 45°; X=500; Y=95		014.H380.1	1308
1	Swan neck ABIMIG® A T 305/355 TM; 60°; X=165; Y=110		014.H413.1	1308
1	Swan neck ABIMIG® A T 305/355 T8M; 60°; X=165; Y=110		014.H415.1	1308
1	Swan neck ABIMIG® A T 305/355K T8M; 45°; X=0160; Y=85		014.H588.1	1308
1	Swan neck ABIMIG® A T 355 T8M; 45°; X=350; Y=95		014.H555.1	1308
1	Swan neck ABIMIG® A T 355 T8M; 45°; X=500; Y=95		014.H560.1	1308
	Swan neck ABIMIG® A T 307K TM; 45°; X=135; Y=85; gas nozzle mated		014.H409.1	1308
	Swan neck ABIMIG® A T 307/357K TM; 45°; X=160; Y=85; gas nozzle mated		014.H387.1	1308
	Swan neck ABIMIG® A T 307/357 TM; 45°; X=185; Y=95; gas nozzle mated		014.H388.1	1308
	Swan neck ABIMIG® A T 307/357 T8M; 45°; X=185; Y=95; gas nozzle mated		014.H389.1	1308
	Swan neck ABIMIG® A T 307/357K T8M; 45°; X=160; Y=85; gas nozzle mated		014.H592.1	1308
	Swan neck ABIMIG® A T 307/357K TM; 45°; X=165; Y=110; gas nozzle mated		014.H594.1	1308
	Swan neck ABIMIG® A T 307/357 T8M; 60°; X=165; Y=110; gas nozzle mated		014.H595.1	1308

# MIG/MAG Welding Torches ABIMIG® A T 355 LW



Pos.	Description	Units	Part-No.	Product-group
	Swan neck ABIMIG® A T 307/357K T8M; 45°; X=165, Y=110; gas nozzle mated		014.H596.1	1308
	Swan neck ABIMIG® A T 357 T8M; 45°; X=360, Y=95; gas nozzle mated		014.H597.1	1308
	Swan neck ABIMIG® A T 357 TM; 45°; X=500, Y=95; gas nozzle mated		014.H398.1	1326
	Swan neck ABIMIG® A T 357 T8M; 45°; X=500; Y=95; gas nozzle mated		014.H399.1	1326
	COMBI swan neck A T 305/355K TM cpl.; 45°; X=160, Y=85; gas nozzle screwed		014.0469.1	1308
	COMBI swan neck A T 305/355K T8M cpl.; 45°; X=160, Y=85; gas nozzle screwed		014.0470.1	1308
	COMBI swan neck A T 305/355K TM cpl.; 60°; X=165, Y=110; gas nozzle screwed		014.0471.1	1308
	COMBI swan neck A T 305/355K T8M cpl.; 60°; X=165, Y=110; gas nozzle screwed		014.0472.1	1308
	COMBI swan neck A T 305/355K TM cpl.; 45°; X=185; Y=95; gas nozzle screwed		014.0473.1	1308
	COMBI swan neck A T 305/355K T8M cpl.; 45°; X=185, Y=95; gas nozzle screwed		014.0474.1	1308
	COMBI swan neck A T 305XL TM cpl.; 45°; X=350; Y=95; gas nozzle screwed		014.0475.1	1308
	COMBI swan neck A T 305XL T8M cpl.; 45°; X=350; Y=95; gas nozzle screwed		014.0476.1	1308
	COMBI swan neck A T 305XXL TM cpl.; 45°; X=500; Y=95; gas nozzle screwed		014.0477.1	1308
	COMBI swan neck A T 305XXL T8M cpl.; 45°; X=500; Y=95; gas nozzle screwed		014.0478.1	1308
4	Spacer	5 Pcs.	767.D668.5	1595
4	Spacer HD	5 Pcs.	767.D898.5	1595
8	Coupling nut M22x1.5		014.H279.1	1595
9	Protective cab (split) D=16 for round-neck nut	10 Pcs.	014.H282.10	1595
<b>Handle</b>				
11.1	Handle ABIMIG® A T with push-button long		180.D077.1	1595
11.1	Handle ABIMIG® A T with push-button long (without module BIS-52)		180.D079.1	1595
11.2	Handle ABIMIG® A T with push-button short		180.D078.1	1595
11.2	Handle ABIMIG® A T with push-button short (without module BIS-52)		180.D080.1	1595
11.3	Trigger long 2-pole		185.D118.1	1595
11.4	Trigger short 2-pole		185.D120.1	1595
11.5	Blind cover		400.D573.1	1595

# MIG/MAG Welding Torches ABIMIG® A T 355 LW



Pos.	Description	Units	Part-No.	Product-group
15	Torch pipe connection M22x1.5 / M10x1		014.H354.1	1595
17	Half rings (1 pair)	2 Pcs.	400.D561.2	1595
<b>Cable assembly</b>				
40	Bikox® LW power cable, R7 for 3.00 m		160.H046.1	1511
40	Bikox® LW power cable, R7 for 4.00 m		160.H047.1	1511
40	Bikox® LW cable assembly; R7 2-pole for 4.50 m		160.H248.1	1511
40	Bikox® LW power cable, R7 for 5.00 m		160.H048.1	1511
40	Bikox® LW cable assembly; R7 2-pole for 6.00 m		160.H397.1	1511
40	Bikox® LW cable assembly; R7 5-pol. Up/Down for 3.00 m		160.H374.1	1511
40	Bikox® LW cable assembly; R7 5-pol. Up/Down for 4.00 m		160.H375.1	1511
40	Bikox® LW cable assembly; R7 5-pol. Up/Down for 4.50 m		160.H440.1	1511
40	Bikox® LW cable assembly; R7 5-pol. Up/Down for 5.00 m		160.H376.1	1511
40	Bikox® LW cable assembly; R7 5-pol. Up/Down for 6.00 m		160.H441.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support ND 19		400.1010	1095
54.1	Cable support ABIMIG® A T LW (short)		400.D574.1	1595
54.1	Cable support NW 21		400.D518.1	1595
54.1	Cable support spring NW 22		501.D501	1595
56	Cable support machine side		501.2248	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

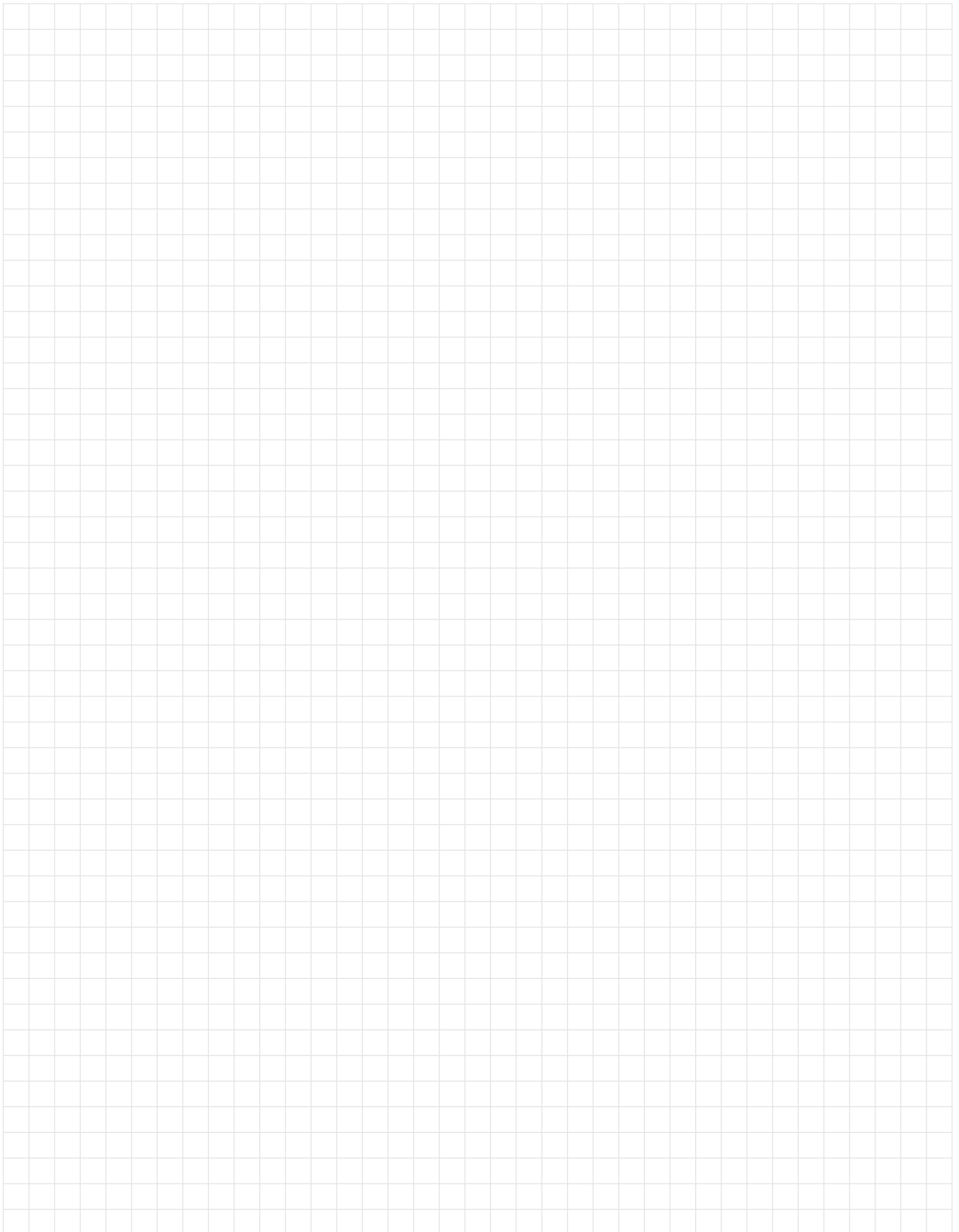
# MIG/MAG Welding Torches ABIMIG® A T 355 LW

Pos.	Description	Units	Part-No.	Product-group
60	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
74	Control cable with 4-pole Amphenol plug L=400 mm		175.D098	1595
74.1	Protective tube 4.5x0.5, L=60 mm		110.D023	1595
<b>Wear parts</b>				
80	Contact tip holder M16/M8/52 US	5 Pcs.	014.D745.5	1533
81	Contact tip holder D17/M8/53 for slip-on gas nozzle	5 Pcs.	014.H129.5	1533
	Contact tip holder D17/M8/51 cpl.; for pluggable gas nozzle XX7	5 Pcs.	014.H194.5	1533
90	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	140.0533	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	140.0536	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.4 for alu wire (10x30)	10 Pcs.	141.0055	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.0536	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
90	Contact tip M8 HDS silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.5316	5038
90	Contact tip M8 HDS silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.5445	5038
90	Contact tip M8 HDS silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.5536	5038
90	Contact tip M8 HDS silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.5590	5038
100	Gas nozzle M16; ND 18; galvanized; conical L=72 mm	5 Pcs.	145.D021	1537
100	Gas nozzle M16; ND 18 blank; with extended insulation	5 Pcs.	145.D194	1537
	Gas nozzle M16; ND 16 galvanized; conical L=69 mm	5 Pcs.	145.D022	1537
	Gas nozzle M16; NW 14; galvanized; conical L=69 mm	5 Pcs.	145.D023	1537
	Gas nozzle M16; NW 16; galvanized; conical L=72 mm	5 Pcs.	145.D026	1537
	Gas nozzle M16; ND 15 blank; with extended insulation	5 Pcs.	145.D217	1537
	Gas nozzle M16; NW 12; galvanized; conical L=72 mm	5 Pcs.	145.D025	1537
	Gas nozzle M16; NW 10; galvanized; conical L=69 mm	5 Pcs.	145.D267	1537
102	Gas nozzle M16; ND 21 galvanized; cylindrical	5 Pcs.	145.D024	1537
102	Gas nozzle M16; NW 21; galvanized; cylindrical L=72 mm; with extended insulation	5 Pcs.	145.D353	1537
103	Gas nozzle (slip-on) D15; ND 16 galvanized	5 Pcs.	145.D378.5	1537
103	Gas nozzle pluggable D17; NW 18; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	145.D439.5	1537
103	Gas nozzle pluggable D17; NW 13; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	145.D438.5	1537
104	Spot weld gas nozzle M16; NW 21; galvanized; L=91 mm		145.D028	1537
110	Neck liner 2.0; for wire Ø 1.0-1.2; for ABIMIG® T-Line		122.D038	1534
110	Neck liner 2.5; for wire Ø 1.2-1.4; for ABIMIG® T-Line		122.D039	1534
110	Neck liner 2.7; for wire Ø 1.2-1.6; for ABIMIG® T-Line		122.D045	1534

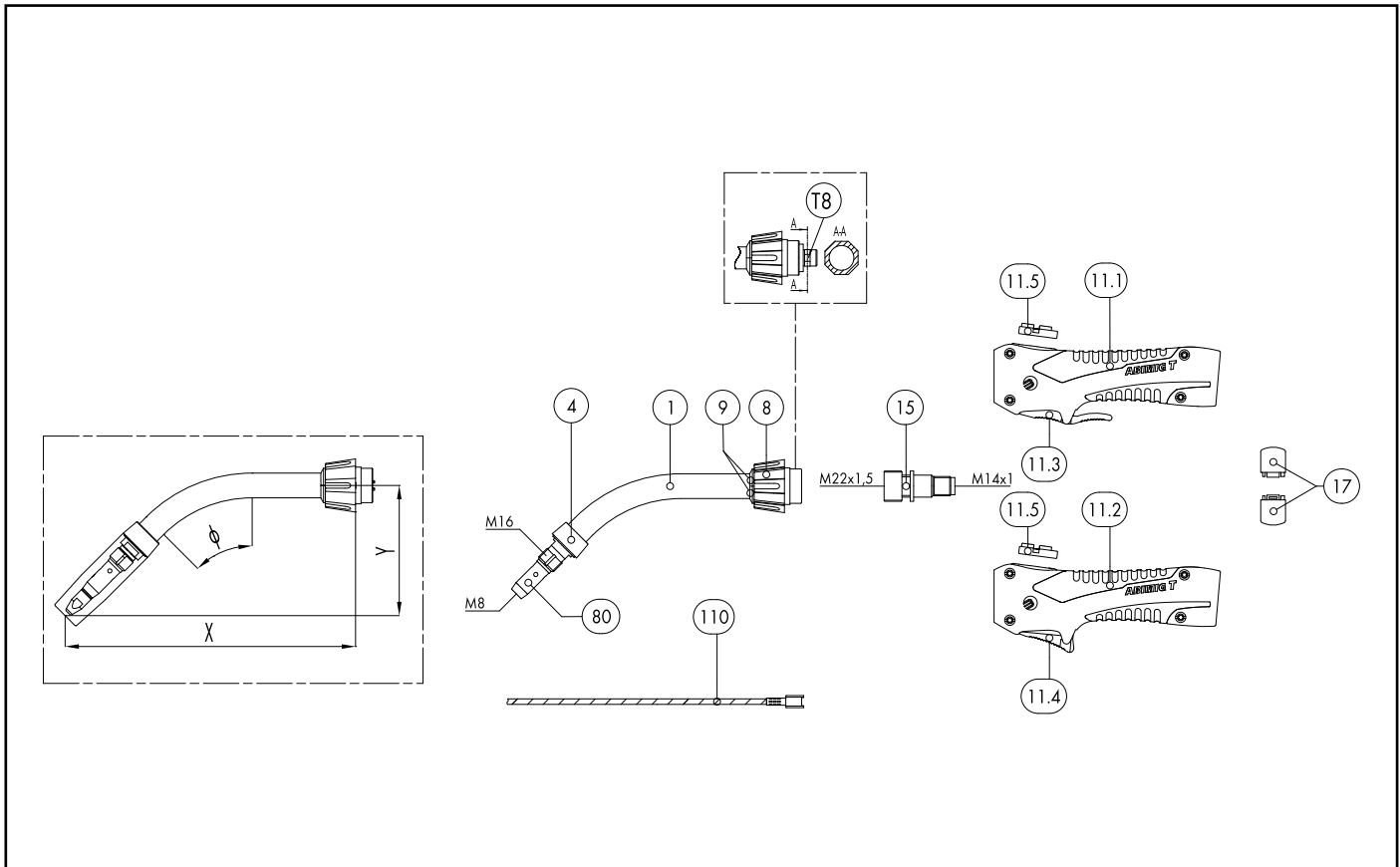
# MIG/MAG Welding Torches ABIMIG® A T 355 LW

Pos.	Description	Units	Part-No.	Product-group
110	Neck liner 1.6; brass; for wire Ø 0.6–1.0; for ABIMIG® T-Line		122.D040	1534
110	Neck liner 2.2; brass; for wire Ø 1.0–1.4; for ABIMIG® T-Line		122.D041	1534
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 5.00 m		124.0035	1034
120	Guide spiral liner insulated; 2.0/4.5; red; wire-Ø 1.0–1.2; for 6.00 m		124.0036	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4–1.6; for 3.00 m		124.0041	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4–1.6; for 4.00 m		124.0042	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4–1.6; for 5.00 m		124.0044	1034
120	Guide spiral liner insulated; 2.5/4.5; yellow; wire Ø 1.4–1.6; for 6.00 m		124.0045	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 0.8–1.2; for 8.00 m		126.0030	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.4–1.6; for 8.00 m		126.0047	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 0.8–1.2; for 8.00 m		127.0009	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.4–1.6; for 8.00 m		127.0014	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner for ABIMIG®		191.D045	1595

# Notes



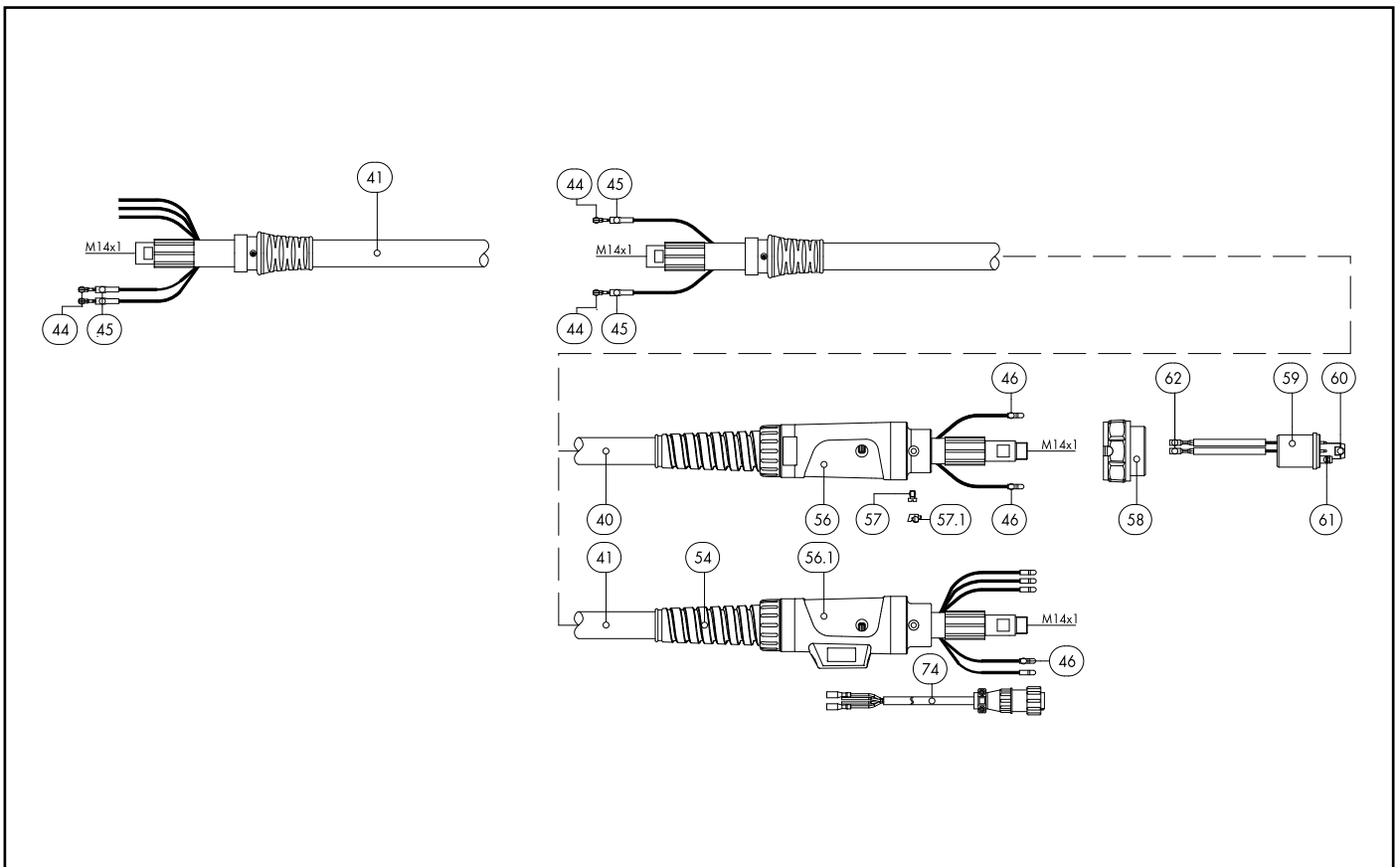
# MIG/MAG Welding Torches ABIMIG® A T 405 LW



Pos.	Description	Units	Part-No.	Product-group
<b>Basic torch (complete)</b>				
	ABIMIG® A T 405 LW; T8M45°; central adaptor KZ-2; 3.00 m		015.D070.1	1324
	ABIMIG® A T 405 LW; T8M45°; central adaptor KZ-2; 4.00 m		015.D071.1	1324
	ABIMIG® A T 405 LW; T8M45°; central adaptor KZ-2; 5.00 m		015.D072.1	1324
<b>Combi torch (basic torch without neck and wear parts)</b>				
	ABIMIG® A T G 405 LW; central adaptor KZ-2; 3.00 m		015.D114.1	1326
	ABIMIG® A T G 405 LW; central adaptor KZ-2; 4.00 m		015.D115.1	1326
	ABIMIG® A T G 405 LW; central adaptor KZ-2; 5.00 m		015.D116.1	1326
<b>Swan neck</b>				
1	Swan neck ABIMIG® A 405 LW; 45° bent		015.D082.1	1308
1	Swan neck ABIMIG® A T 405K T8M; 45°; X=185; Y=95; gas nozzle screwed		015.D117.1	1308
	Swan neck ABIMIG® A T 407 T8M; 45°; X=210; Y=95; gas nozzle mated		015.D089.1	1308
	Swan neck ABIMIG® A T 405K T8M; 45°; X=195; Y=95; gas nozzle mated		015.D123.1	1308
	COMBI swan neck A T 405 K T8M cpl.; 45°; X=185; Y=95; gas nozzle screwed		015.0088.1	1308
	COMBI swan neck A T 405 T8M cpl.; 45°; X=210; Y=95; gas nozzle screwed		015.0089.1	1308
4	Head insulation	5 Pcs.	015.D080.5	1595
4	Spacer	5 Pcs.	015.D081.5	1595
8	Coupling nut M22x1.5		014.H279.1	1595
9	Protective cap (split) D=18 for round-neck nut	10 Pcs.	014.H283.10	1595
<b>Handle</b>				
11.1	Handle ABIMIG® A T with push-button long		180.D077.1	1595
11.1	Handle ABIMIG® A T with push-button long (without module BIS-52)		180.D079.1	1595
11.2	Handle ABIMIG® A T with push-button short		180.D078.1	1595
11.2	Handle ABIMIG® A T with push-button short (without module BIS-52)		180.D080.1	1595
11.3	Trigger long 2-pole		185.D118.1	1595
11.4	Trigger short 2-pole		185.D120.1	1595

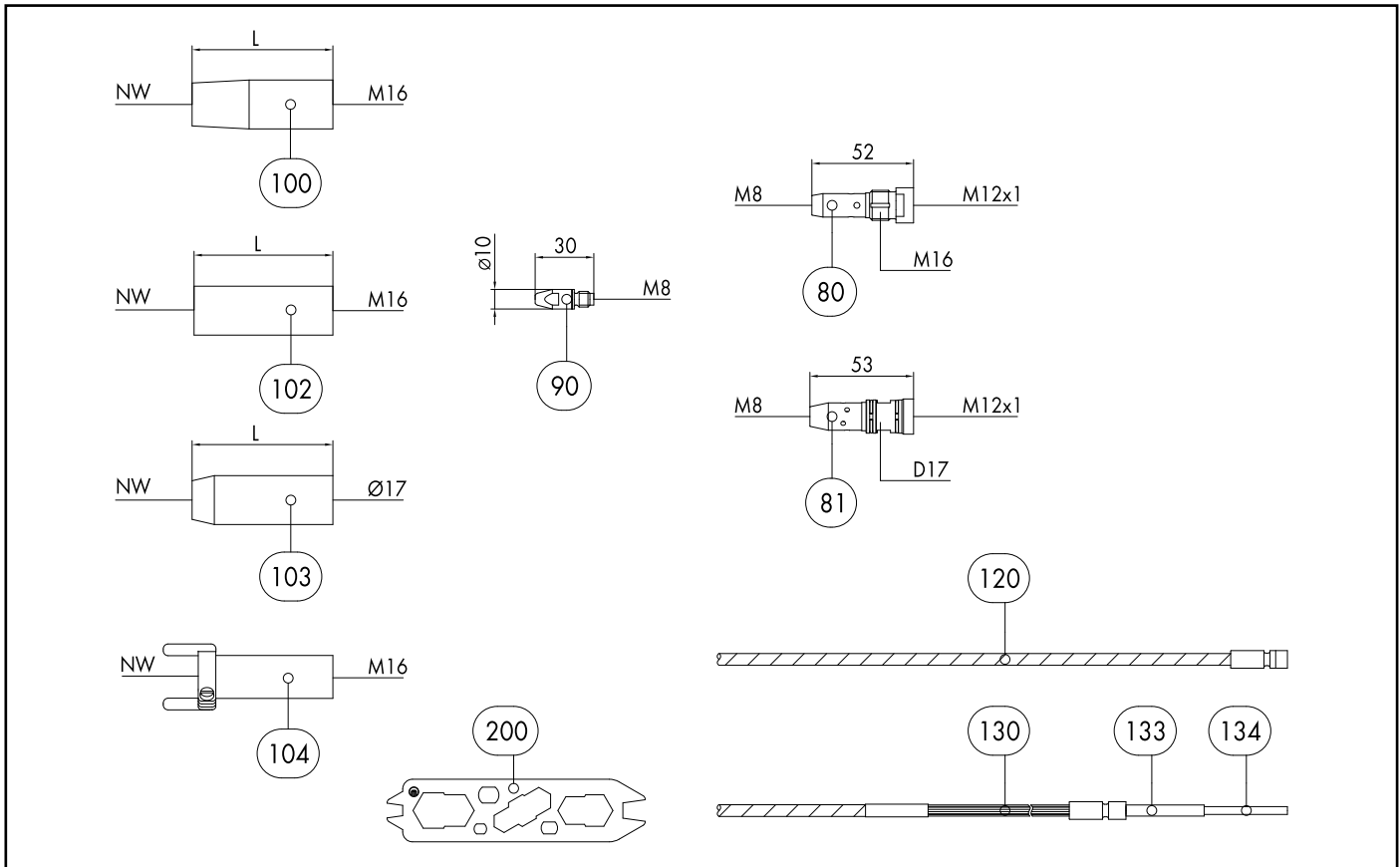


# MIG/MAG Welding Torches ABIMIG® A T 405 LW



Pos.	Description	Units	Part-No.	Product-group
11.5	Blind cover		400.D573.1	1595
15	Torch pipe connection M22x1.5 / M14x1		016.D392.1	1595
17	Half rings (1 pair)	2 Pcs.	400.D561.2	1595
<b>Cable assembly</b>				
40	Bikox® LW power cable, R9 for 3.00 m		160.H344.1	1511
40	Bikox® LW power cable, R9 for 4.00 m		160.H345.1	1511
40	Bikox® LW cable assembly; R9 2-pole for 4.50 m		160.H377.1	1511
40	Bikox® LW power cable, R9 for 5.00 m		160.H346.1	1511
40	Bikox® LW cable assembly; R9 2-pole for 4.50 m		160.H442.1	1511
40	Bikox® LW cable assembly, R9 5-pole Up/Down for 3.00 m		160.H347.1	1511
40	Bikox® LW cable assembly, R9 5-pole Up/Down for 4.00 m		160.H348.1	1511
40	Bikox® LW cable assembly, R9 5-pole Up/Down for 4.50 m		160.H443.1	1511
40	Bikox® LW cable assembly, R9 5-pole Up/Down for 5.00 m		160.H349.1	1511
40	Bikox® LW cable assembly, R9 5-pole Up/Down for 6.00 m		160.H444.1	1511
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
54	Cable support NW 21		400.D518.1	1595
54.1	Cable support ABIMIG® A T LW (short)		400.D574.1	1595
54.1	Cable support NW 21		400.D518.1	1595
54.1	Cable support spring NW 22		400.D501.1	1595
56	Cable support machine side		501.2248	9010
56.1	Connection housing machine side cpl.; for UNI-plug		501.D578.1	1595
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010

# MIG/MAG Welding Torches ABIMIG® A T 405 LW



Pos.	Description	Units	Part-No.	Product-group
59	Central adaptor KZ-2		501.D687.1	1595
60	Coupling nut M14x1, plastic	5 Pcs.	501.D537.5	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
74	Control cable with 4-pole Amphenol plug L=400 mm		175.D098	1595
74.1	Protective tube 4.5x0.5, L=60 mm		110.D023	1595
	<b>Wear parts</b>			
80	Contact tip holder M16/M8/52 US	5 Pcs.	014.D745.5	1533
81	Contact tip holder D17/M8/53 for slip-on gas nozzle	5 Pcs.	014.H129.5	1533
	Contact tip holder D17/M8/51 cpl.; for pluggable gas nozzle XX7	5 Pcs.	014.H194.5	1533
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	140.0533	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 E-Cu; Ø 2.0 (10x30)	10 Pcs.	140.0653	1030
90	Contact tip M8 E-Cu; Ø 2.4 (10x30)	10 Pcs.	140.0677	1030
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	140.0536	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 CuCrZr; Ø 2.0 (10x30)	10 Pcs.	140.0656	1031
90	Contact tip M8 CuCrZr; Ø 2.4 (10x30)	10 Pcs.	140.0679	1031
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.4 for alu wire (10x30)	10 Pcs.	141.0055	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030

# MIG/MAG Welding Torches ABIMIG® A T 405 LW

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M8 E-Cu; Ø 2.0 for alu wire (10x30)	10 Pcs.	141.0033	1030
90	Contact tip M8 E-Cu; Ø 2.4 for alu wire (10x30)	10 Pcs.	141.0035	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.0536	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 2.0 (10x30)	10 Pcs.	147.0656	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 2.4 (10x30)	10 Pcs.	147.0679	1031
90	Contact tip M8 HDS silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.5316	5038
90	Contact tip M8 HDS silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.5445	5038
90	Contact tip M8 HDS silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.5536	5038
90	Contact tip M8 HDS silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.5590	5038
100	Gas nozzle M16; ND 18; galvanized; conical L=72 mm	5 Pcs.	145.D021	1537
100	Gas nozzle M16; ND 18 blank; with extended insulation	5 Pcs.	145.D194	1537
	Gas nozzle M16; ND 16 galvanized; conical L=69 mm	5 Pcs.	145.D022	1537
	Gas nozzle M16; NW 14; galvanized; conical L=69 mm	5 Pcs.	145.D023	1537
	Gas nozzle M16; NW 16; galvanized; conical L=72 mm	5 Pcs.	145.D026	1537
	Gas nozzle M16; NW 18; galvanized; conical L=72 mm	5 Pcs.	145.D036	1537
	Gas nozzle M16; ND 15 blank; with extended insulation	5 Pcs.	145.D217	1537
	Gas nozzle M16; NW 12; galvanized; conical L=72 mm	5 Pcs.	145.D025	1537
	Gas nozzle M16; NW 10; galvanized; conical L=69 mm	5 Pcs.	145.D267	1537
102	Gas nozzle M16; ND 21 galvanized; cylindrical	5 Pcs.	145.D024	1537
102	Gas nozzle M16; NW 21; galvanized; cylindrical L=72 mm; with extended insulation	5 Pcs.	145.D353	1537
103	Gas nozzle (slip-on) D15; ND 16 galvanized	5 Pcs.	145.D378.5	1537
103	Gas nozzle pluggable D17; NW 18; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	145.D439.5	1537
103	Gas nozzle pluggable D17; NW 13; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	145.D438.5	1537
104	Spot weld gas nozzle M16; NW 21; galvanized; L=91 mm		145.D028	1537
110	Neck liner 1.9; for wire Ø 1.0-1.2; for ABIMIG® T-Line		122.D077	1534
110	Neck liner 2.2; for wire Ø 1.4-1.6; for ABIMIG® T-Line		122.D078	1534
120	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.D113	1534
120	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.D114	1534
120	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.D115	1534
120	Guide spiral liner insulated; 2.0/5.5; red; wire Ø 1.0-1.2; for 6.00 m		124.D156.1	1534
120	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 3.00 m		124.D116	1534
120	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 4.00 m		124.D117	1534
120	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 5.00 m		124.D118	1534
120	Guide spiral liner insulated; 2.2/6.0; white; wire Ø 1.4-1.6; for 6.00 m		124.D144.1	1534
120	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 3.00 m		124.D119	1534
120	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 4.00 m		124.D120	1534
120	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 5.00 m		124.D121	1534
120	Guide spiral liner insulated; 3.0/6.4; blue; wire Ø 2.0-2.4; for 6.00 m		124.D157.1	1534
130	Combined wire guide cpl.P; wire Ø 1.0; for 3.00 m		126.D026.1	1534
130	Combined wire guide cpl.P; wire Ø 1.0; for 4.00 m		126.D027.1	1534
130	Combined wire guide cpl.P; wire Ø 1.0; for 5.00 m		126.D028.1	1534
130	Combined wire guide P; wire-Ø 1.0-1.2; řřr 6.00 m		126.D058.1	1534
130	Combined wire guide cpl.P; wire Ø 1.2-1.4; for 3.00 m		126.D029.1	1534
130	Combined wire guide cpl.P; wire Ø 1.2-1.4; for 4.00 m		126.D030.1	1534
130	Combined wire guide cpl.P; wire Ø 1.2-1.4; for 5.00 m		126.D031.1	1534
130	Combined wire guide cpl.P; wire Ø 1.0; for 4.00 m		126.D027.1	1534
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095



## MIG/MAG Welding Torches

# ABIMIG® GRIP W

### liquid cooled

#### “Big performance and optimal handling”

The MIG/MAG Welding Torches ABIMIG® GRIP W liquid cooled with the innovative 2 component handle system “GRIP” combine ergonomics and feel with all common module variations (for switch and control functions) as well as “switch on top” solutions. “GRIP” insert and ball joint in the handle guarantee secure grip and optimal handling.

The liquid cooled ABIMIG® GRIP W torches particularly excel in impulse welding due to an optimized dual-circuit cooling system that ensures “extra-cool” wear parts and therefore extended service life.

- Dual-circuit cooling system with increased cooling liquid flow and novel heat dissipation for optimal power and heat conduction – guarantees less spatter adhesion and therefore extremely extended service life of wear and spare parts
- Additional torch neck protection through a UV, ozone and temperature resistant protective cover – for longer torch service life
- The newly developed torch neck and handle system ABIMIG® GRIP with ball joint guarantees optimal balance – even for welding tasks when access is difficult
- Specially designed spare and wear parts for the highperformance application range – excellent results especially in pulse arc welding

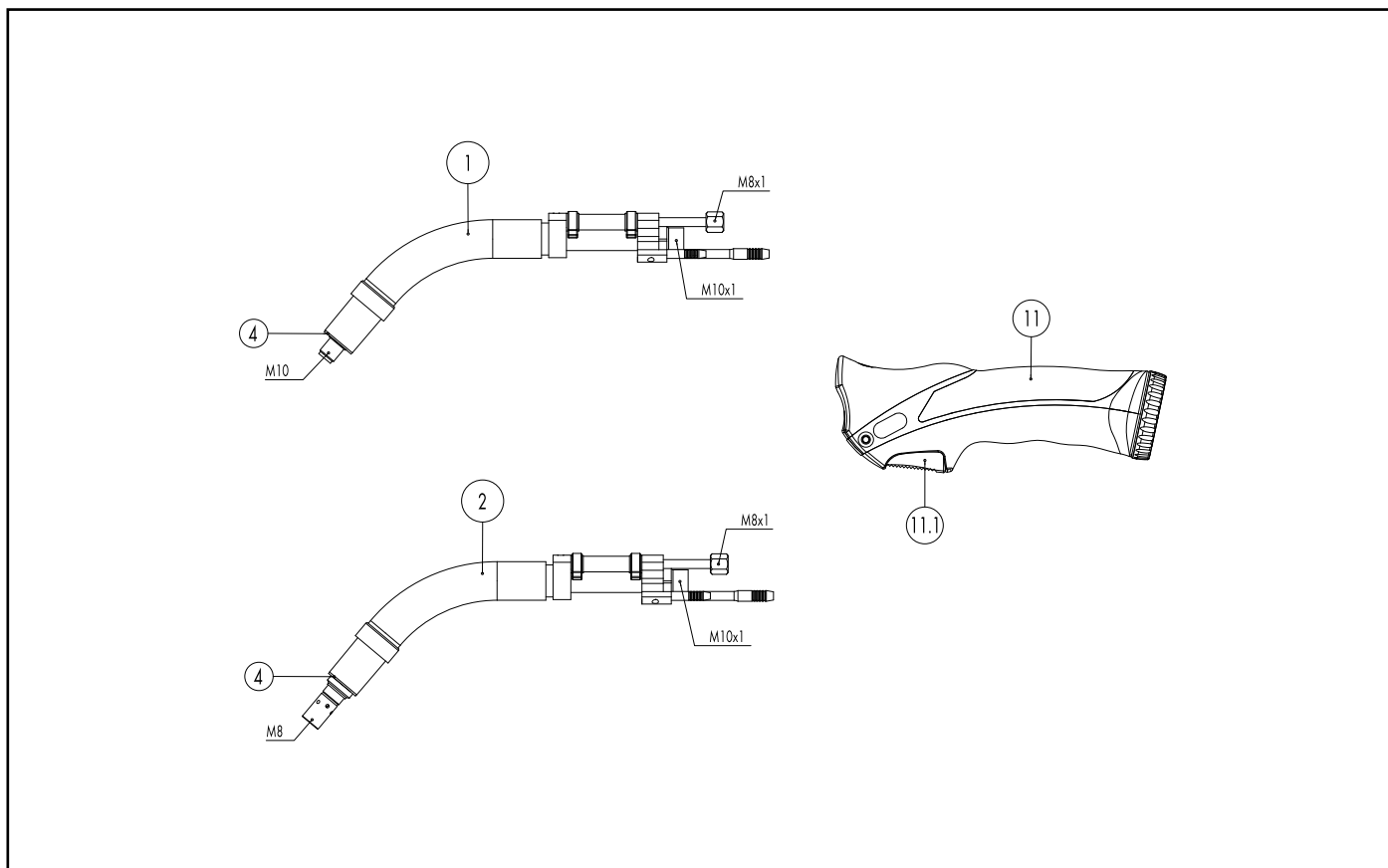
#### Technical data (EN 60 974-7)

#### MIG/MAG Welding Torches “ABIMIG® GRIP W” (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>ABIMIG® GRIP W 555 D</b>	550	500	100	0.8-1.6
<b>ABIMIG® GRIP W 555</b>	575	525	100	0.8-1.6
<b>ABIMIG® GRIP W 605</b>	625	575	100	1.0-1.6
<b>ABIMIG® GRIP W 605 D</b>	600	550	100	1.0-1.6
<b>ABIMIG® GRIP W 605 C</b>	600	550	100	1.0-1.6

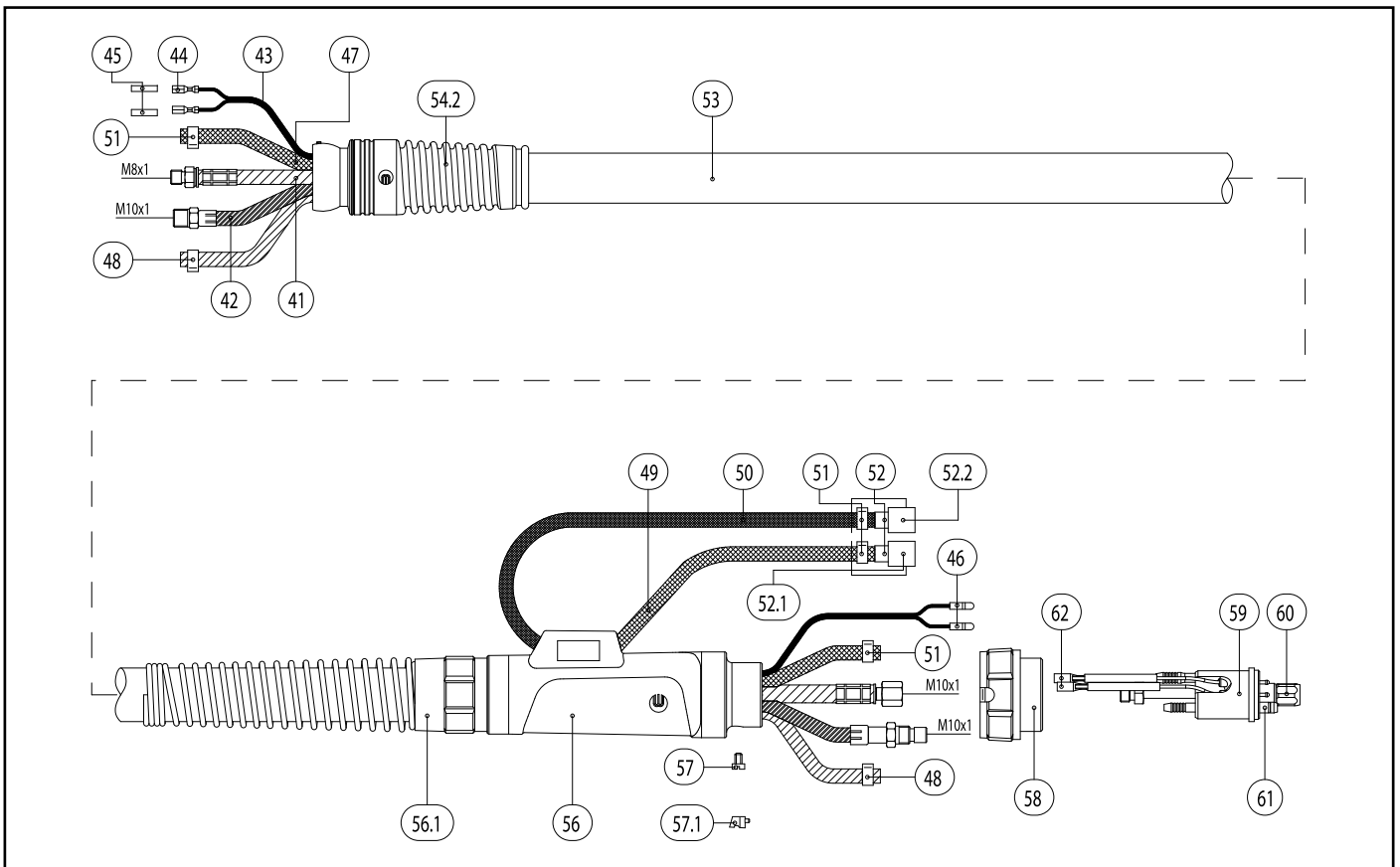
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# MIG/MAG Welding Torches ABIMIG® GRIP W 555 / 555 D



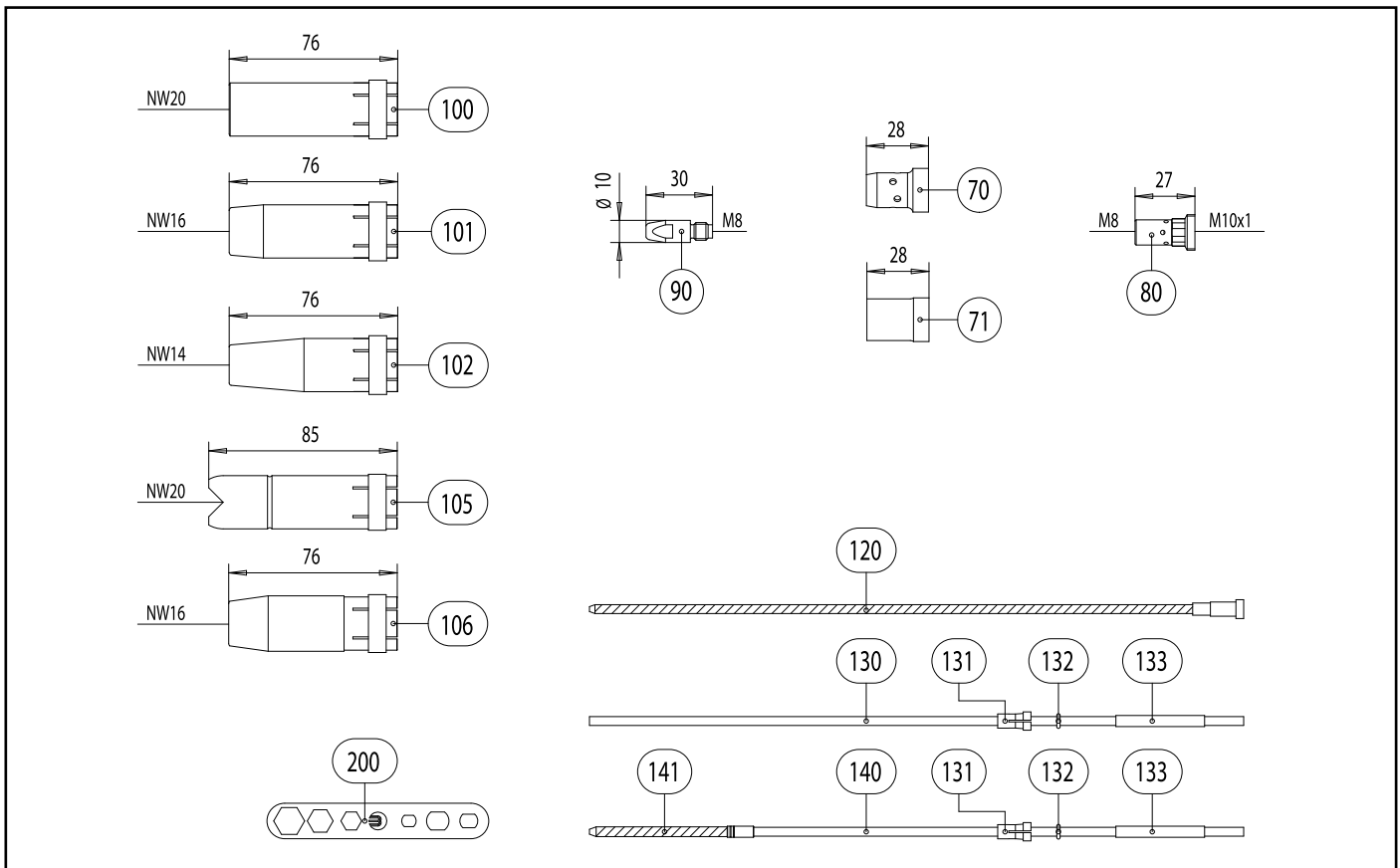
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (D-Version)</b>				
	ABIMIG® GRIP W 555 D; type S; central adaptor WZ-2; 3.00 m		766.0526.1	1317
	ABIMIG® GRIP W 555 D; type S; central adaptor WZ-2; 4.00 m		766.0527.1	1317
	ABIMIG® GRIP W 555 D; type S; central adaptor WZ-2; 5.00 m		766.0528.1	1317
<b>Torch</b>				
	ABIMIG® GRIP W 555; type S; central adaptor WZ-2; 3.00 m		766.0529.1	1317
	ABIMIG® GRIP W 555; type S; central adaptor WZ-2; 4.00 m		766.0530.1	1317
	ABIMIG® GRIP W 555; type S; central adaptor WZ-2; 5.00 m		766.0531.1	1317
<b>Swan neck (D-Version)</b>				
1	Swan neck ABIMIG® GRIP W 555 D; 50° bent		766.0532.1	1309
<b>Swan neck</b>				
2	Swan neck ABIMIG® GRIP W 555; 50° bent		766.0533.1	1309
4	Insulator	20 Pcs.	766.0230	1395
<b>Handle GRIP</b>				
11	Handle GRIP type S with trigger cpl.		180.0132.1	1395
11.1	Trigger 2-pole GRIP	5 Pcs.	185.0107.5	1395
<b>Cable assembly</b>				
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 3.00 m		115.0581	1012
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 4.00 m		115.0582	1012
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 5.00 m		115.0583	1012
42	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 3.00 m		156.0275	1012
42	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 4.00 m		156.0276	1012
42	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 5.00 m		156.0277	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095

# MIG/MAG Welding Torches ABIMIG® GRIP W 555 / 555 D



Pos.	Description	Units	Part-No.	Product-group
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
50	Hose 46 red Ø 5.5x1.5	100 m	109.0056	4050
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap blue	20 Pcs.	501.2424	1095
52.2	Fastener cap red	20 Pcs.	501.2423	1095
53	Outer cover with cable support Ø 25x1.5 for 3.00 m		107.0079	1095
53	Outer cover with cable support Ø 25x1.5 for 4.00 m		107.0044	1095
53	Outer cover with cable support Ø 25x1.5 for 5.00 m		107.0080	1095
	Outer cover Ø 25x1.5	40 m	107.0004	4050
54.2	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		400.1392.1	1095
	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		400.0790	1095
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010

# MIG/MAG Welding Torches ABIMIG® GRIP W 555 / 555 D



## Pos. Description

## Units

## Part-No.

## Product-group

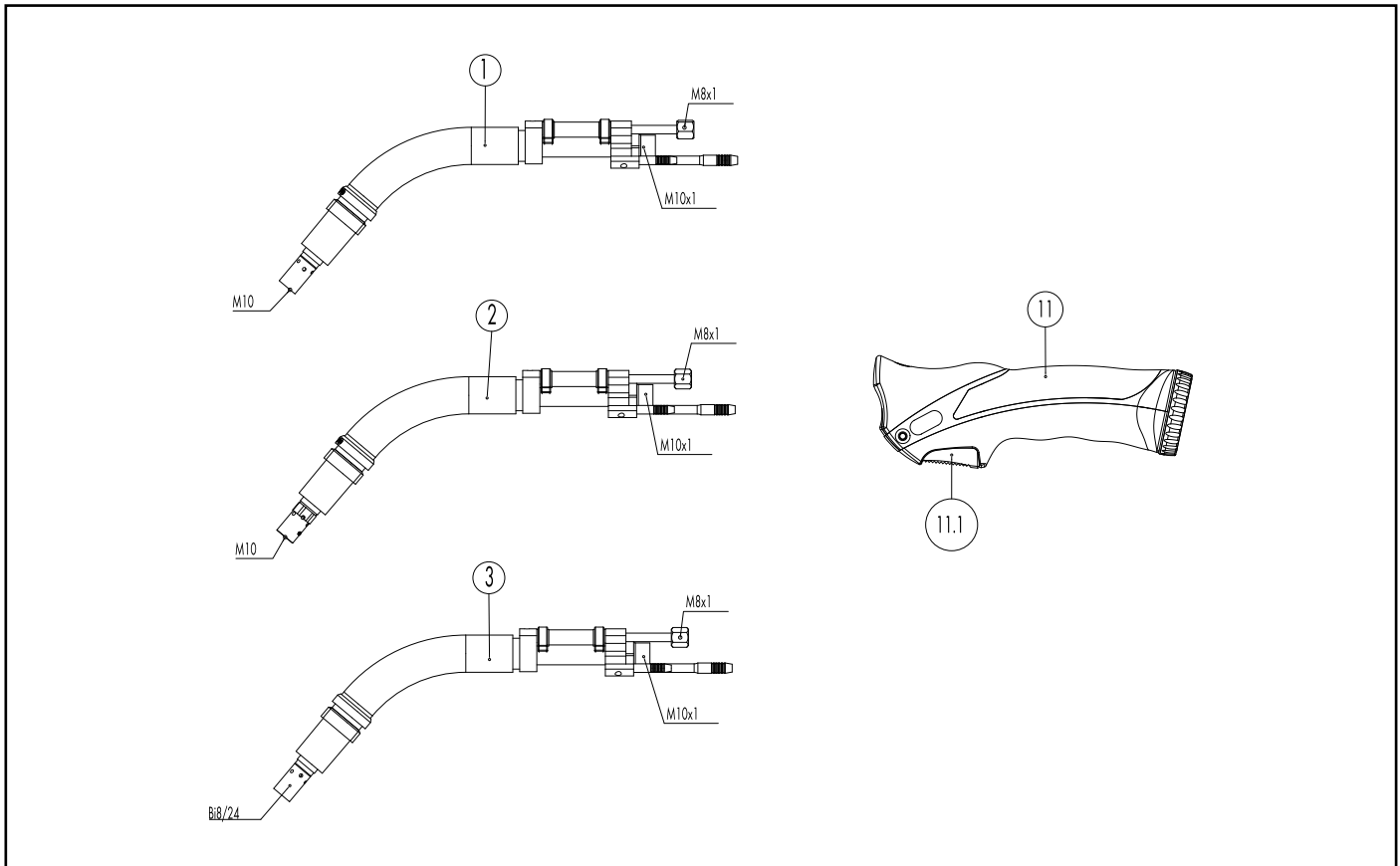
Pos.	Description	Units	Part-No.	Product-group
<b>Wear parts ABIMIG® GRIP W 555 D / 555</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032
<b>Wear parts ABIMIG® GRIP W 555 D</b>				
80	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
<b>Wear parts ABIMIG® GRIP W 555 D / 555</b>				
90	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037



# MIG/MAG Welding Torches ABIMIG® GRIP W 555 / 555 D

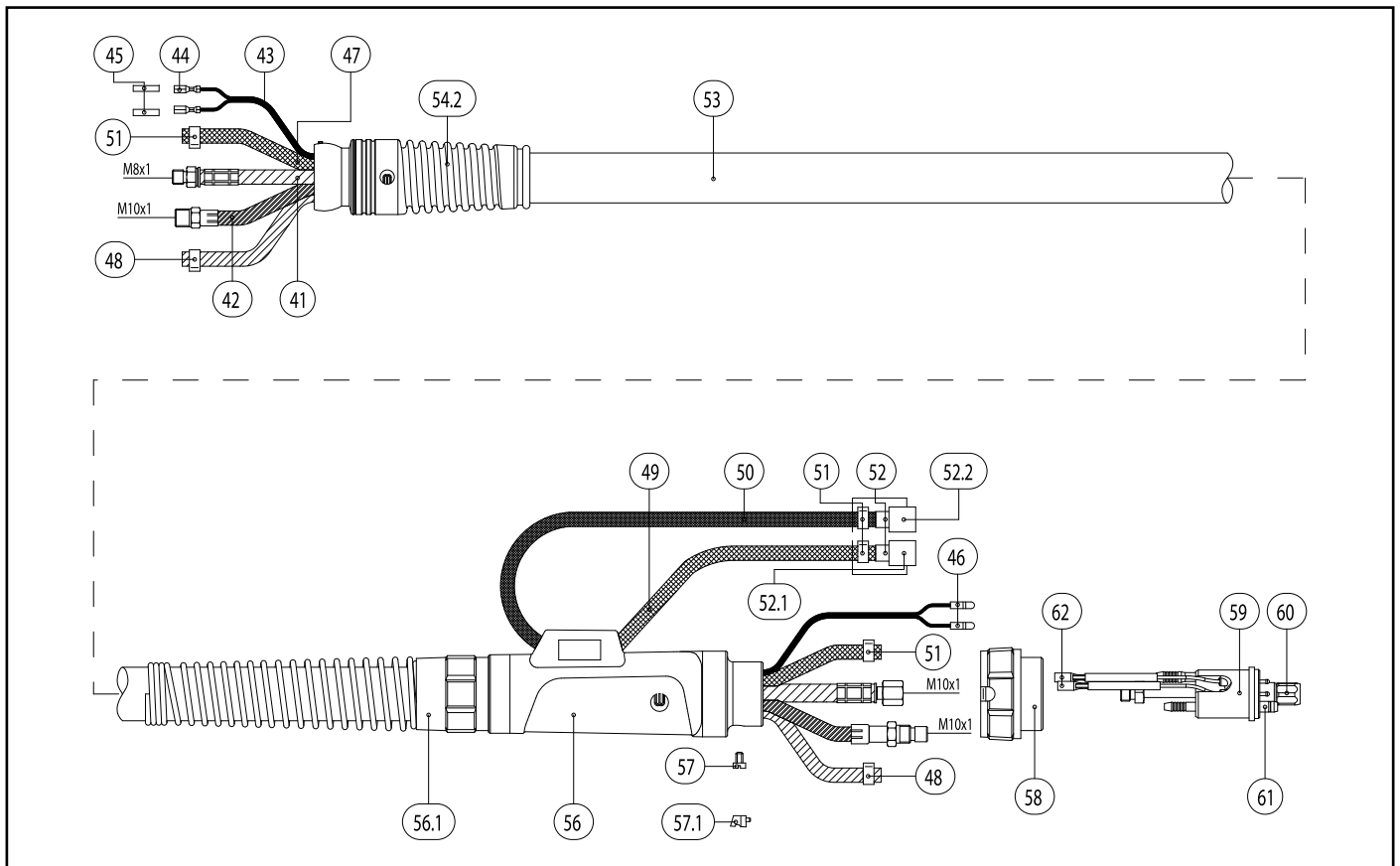
Pos.	Description	Units	Part-No.	Product-group
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.8; for 3.00 m		124.0137	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.8; for 4.00 m		124.0138	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.8; for 5.00 m		124.0139	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0113	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 3.00 m		124.0114	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 4.00 m		124.0115	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 5.00 m		124.0116	1334
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# MIG/MAG Welding Torches ABIMIG® GRIP W 605 / 605 C / 605 D



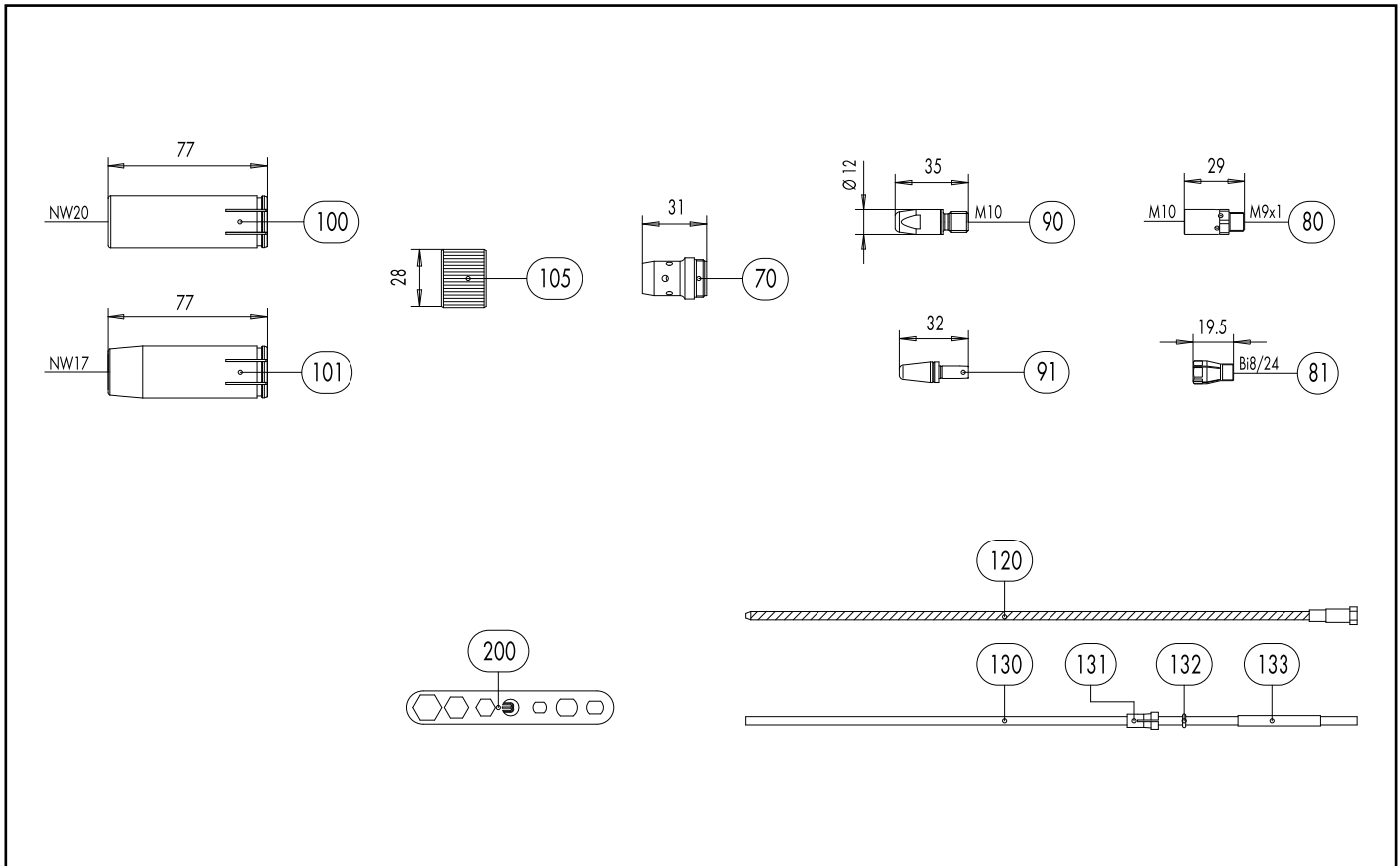
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (D-Version)</b>				
	ABIMIG® GRIP W 605 D; type S; central adaptor WZ-2; 3.00 m		766.0534.1	1317
	ABIMIG® GRIP W 605 D; type S; central adaptor WZ-2; 4.00 m		766.0535.1	1317
	ABIMIG® GRIP W 605 D; type S; central adaptor WZ-2; 5.00 m		766.0536.1	1317
<b>Torch</b>				
	ABIMIG® GRIP W 605; type S; central adaptor WZ-2; 3.00 m		766.0537.1	1317
	ABIMIG® GRIP W 605; type S; central adaptor WZ-2; 4.00 m		766.0538.1	1317
	ABIMIG® GRIP W 605; type S; central adaptor WZ-2; 5.00 m		766.0539.1	1317
<b>Torch (C-Version)</b>				
	ABIMIG® GRIP W 605 C; type S; central adaptor WZ-2; 3.00 m		766.0543.1	1317
	ABIMIG® GRIP W 605 C; type S; central adaptor WZ-2; 4.00 m		766.0544.1	1317
	ABIMIG® GRIP W 605 C; type S; central adaptor WZ-2; 5.00 m		766.0545.1	1317
<b>Swan neck (D-Version)</b>				
1	Swan neck ABIMIG® GRIP W 605 D; 50° bent		766.0540.1	1309
<b>Swan neck</b>				
2	Swan neck ABIMIG® GRIP W 605; 50° bent		766.0541.1	1309
<b>Swan neck (C-Version)</b>				
3	Swan neck ABIMIG® GRIP W 605 C; 50° bent		766.0542.1	1309
<b>Handle GRIP</b>				
11	Handle GRIP type S with trigger cpl.		180.0132.1	1395
11.1	Trigger 2-pole GRIP	5 Pcs.	185.0107.5	1395
<b>Cable assembly</b>				
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 3.00 m		115.0581	1012
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 4.00 m		115.0582	1012
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 5.00 m		115.0583	1012
42	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 3.00 m		156.0275	1012

# MIG/MAG Welding Torches ABIMIG® GRIP W 605 / 605 C / 605 D



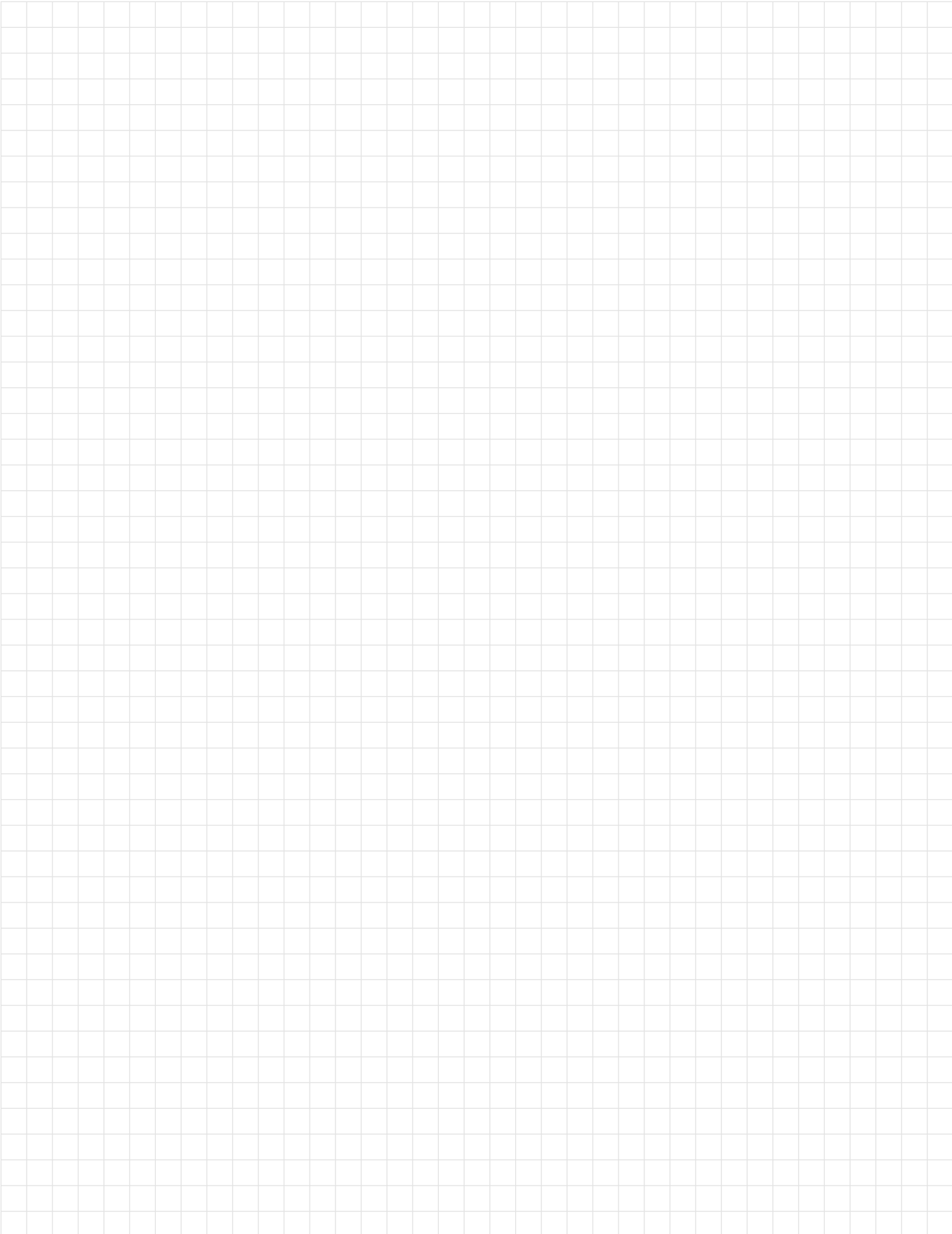
Pos.	Description	Units	Part-No.	Product-group
42	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 4.00 m		156.0276	1012
42	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 5.00 m		156.0277	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
50	Hose 46 red Ø 5.5x1.5	100 m	109.0056	4050
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap blue	20 Pcs.	501.2424	1095
52.2	Fastener cap red	20 Pcs.	501.2423	1095
53	Outer cover with cable support Ø 25x1.5 for 3.00 m		107.0079	1095
53	Outer cover with cable support Ø 25x1.5 for 4.00 m		107.0044	1095
53	Outer cover with cable support Ø 25x1.5 for 5.00 m		107.0080	1095
	Outer cover Ø 25x1.5	40 m	107.0004	4050
54.2	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		400.1392.1	1095
	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		400.0790	1095
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010

# MIG/MAG Welding Torches ABIMIG® GRIP W 605 / 605 C / 605 D



Pos.	Description	Units	Part-No.	Product-group
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts ABIMIG® GRIP W 605 D / 605 / 605 C</b>				
70	Gas diffuser, long life	10 Pcs.	766.0518	1332
70	Gas diffuser, plastic	10 Pcs.	766.0546.10	1332
<b>Wear parts ABIMIG® GRIP W 605 D</b>				
80	Contact tip holder M10; 29.0 mm; CuCrZr	10 Pcs.	142.0202.10	1033
<b>Wear parts ABIMIG® GRIP W 605 C</b>				
81	Collet body	10 Pcs.	766.1051	1333
<b>Wear parts ABIMIG® GRIP W 605 D / 605</b>				
90	Contact tip M10 E-Cu; Ø 1.0 (12x35)	10 Pcs.	140.1542.10	1030
90	Contact tip M10 E-Cu; Ø 1.2 (12x35)	10 Pcs.	140.1543.10	1030
90	Contact tip M10 E-Cu; Ø 1.6 (12x35)	10 Pcs.	140.1544.10	1030
90	Contact tip M10 CuCrZr; Ø 1.0 (12x35)	10 Pcs.	140.0348	1031
90	Contact tip M10 CuCrZr; Ø 1.2 (12x35)	10 Pcs.	140.0481	1031
90	Contact tip M10 CuCrZr; Ø 1.6 (12x35)	10 Pcs.	140.0616	1031
90	Contact tip M10 CuCrZr silver-plated; Ø 1.2 (12x35)	10 Pcs.	147.0481	1031
90	Contact tip M10 CuCrZr silver-plated; Ø 1.6 (12x35)	10 Pcs.	147.0616	1031
<b>Wear parts ABIMIG® GRIP W 605 C</b>				
91	Contact tip CuCrZr; Ø 1.0 (9.9x32)	10 Pcs.	140.1318	1031
91	Contact tip CuCrZr; Ø 1.2 (9.9x32)	10 Pcs.	140.1319	1031
91	Contact tip CuCrZr; Ø 1.6 (9.9x32)	10 Pcs.	140.1321	1031





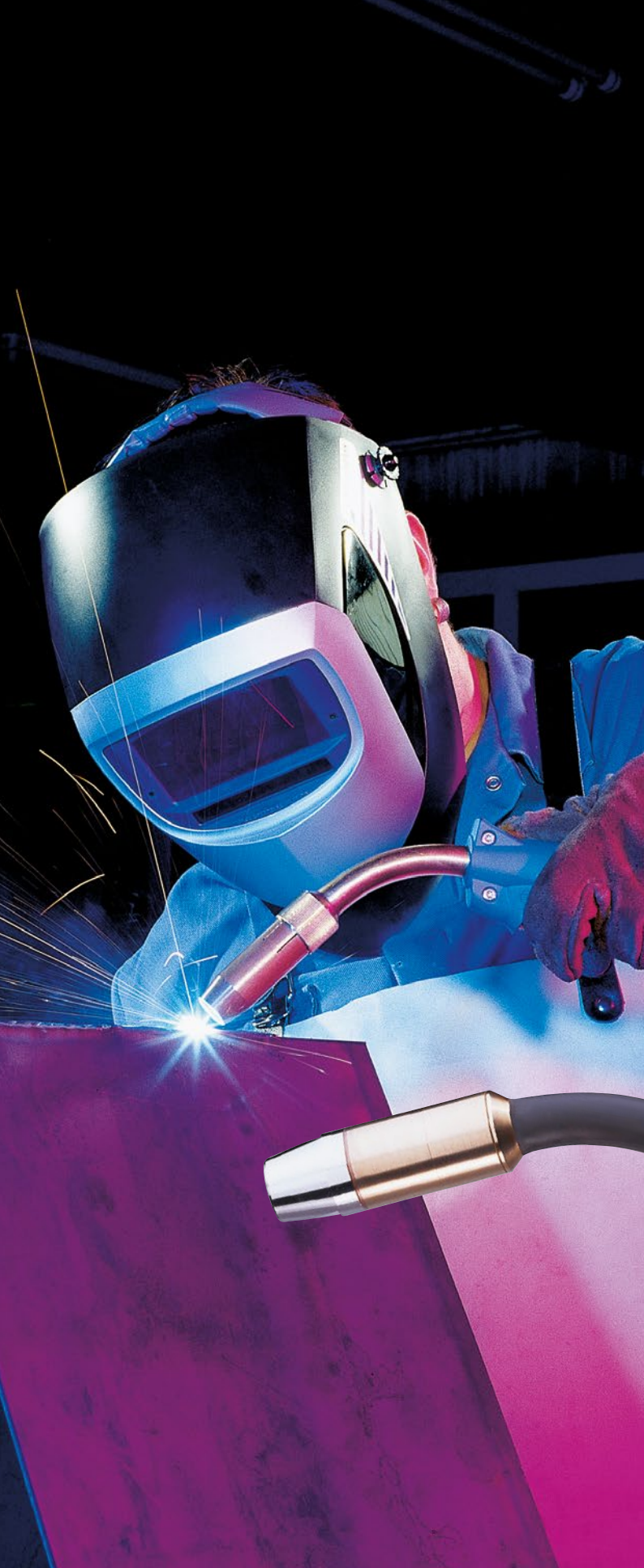
## MIG/MAG Welding Torches

# ABIMIG® liquid cooled

### “Higher service lifes in the high-performance range”

The tried and tested MIG/MAG Welding Torches ABIMIG® liquid cooled cover the rating spectrum up to 600 A. The handle concept ABIMIG® makes it possible to integrate all common switch and control functions.

- Dual cooling circuit for optimized torch cooling – extended service life of wear and spare parts
- Welding applications up to 600 A – excellent welding results for pulse applications
- Technically proven – 100% reliable
- Split gas nozzle as well as optimally cooled gas nozzle seat on ABIMIG® 645 guarantee best possible welding results even in high performance applications
- Time-saving torch change-over due to the ABICOR BINZEL central connector



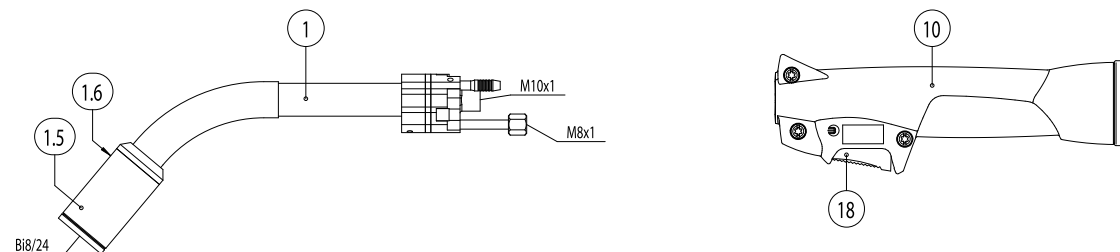
#### Technical data (EN 60 974-7)

#### MIG/MAG Welding Torches “ABIMIG®” (liquid cooled)

Type	Rating (A) DC	Mixed gases M21 Impuls	Duty cycle (%)	Wire size (mm)
<b>ABIMIG® 645 W</b>	600	450	100	0.8-1.6

Subject to change without notice.

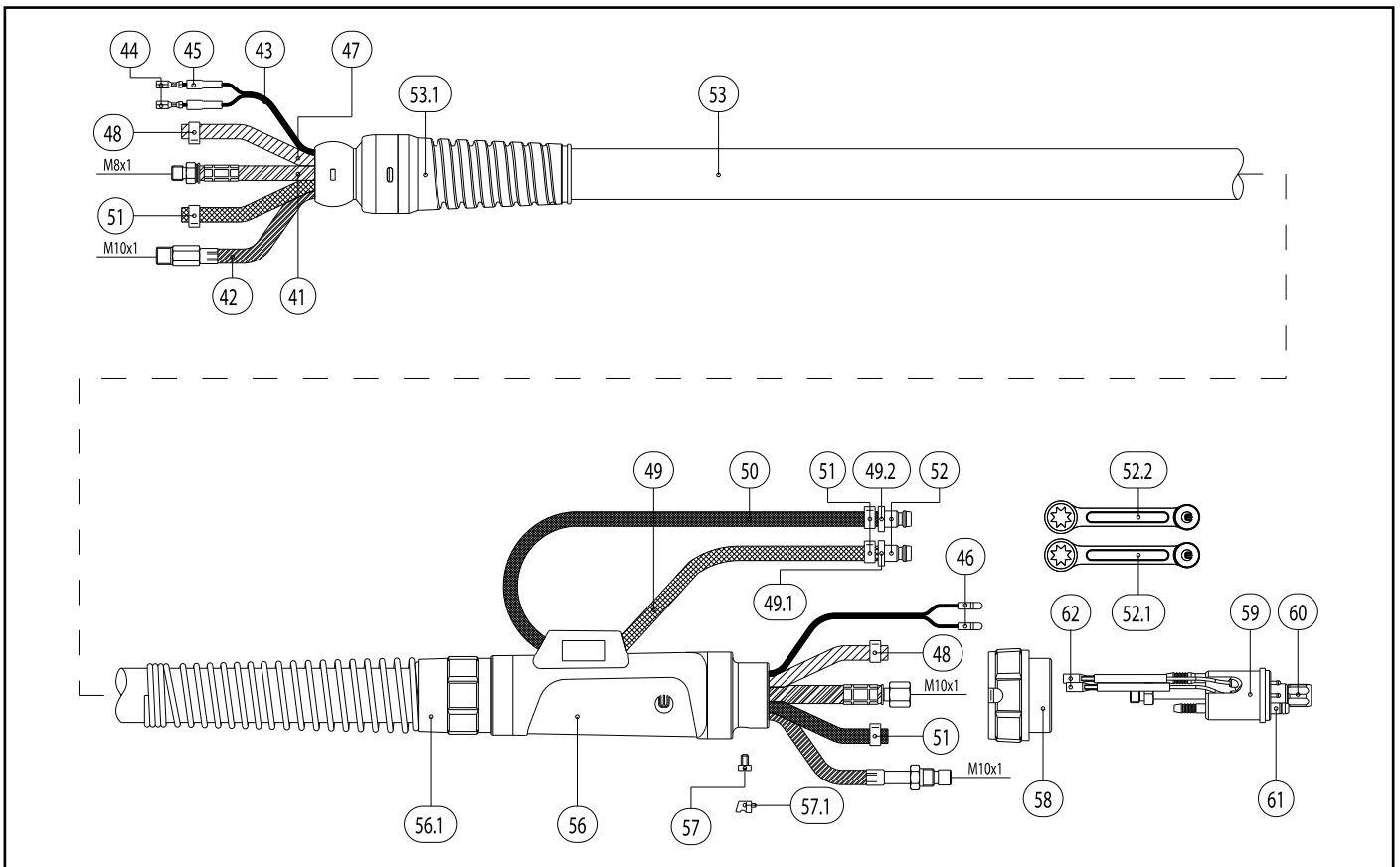
# MIG/MAG Welding Torches ABIMIG® 645 W



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABIMIG® 645 W; central adaptor WZ-2; 3.00 m (socket joint)		766.0406	1346
	ABIMIG® 645 W; central adaptor WZ-2; 4.00 m (socket joint)		766.0407	1346
	ABIMIG® 645 W; central adaptor WZ-2; 5.00 m (socket joint)		766.0408	1346
<b>Swan neck</b>				
1	Swan neck ABIMIG® 645W; 50° bent		766.0370	1309
1.5	Cooling jacket cpl.		766.0377	1395
1.6	O-Ring 18x1.5	20 Pcs.	165.0016	9010
<b>Handle</b>				
10	Handle ABIMIG® with trigger cpl.		180.0111	1395
18	Trigger 2-pole		185.0031	9010
<b>Cable assembly</b>				
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		115.0065	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		115.0070	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		115.0074	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 3.00 m		156.0019	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 4.00 m		156.0023	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 5.00 m		156.0026	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 3.00 m		155.0008	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 4.00 m		155.0009	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 5.00 m		155.0010	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050

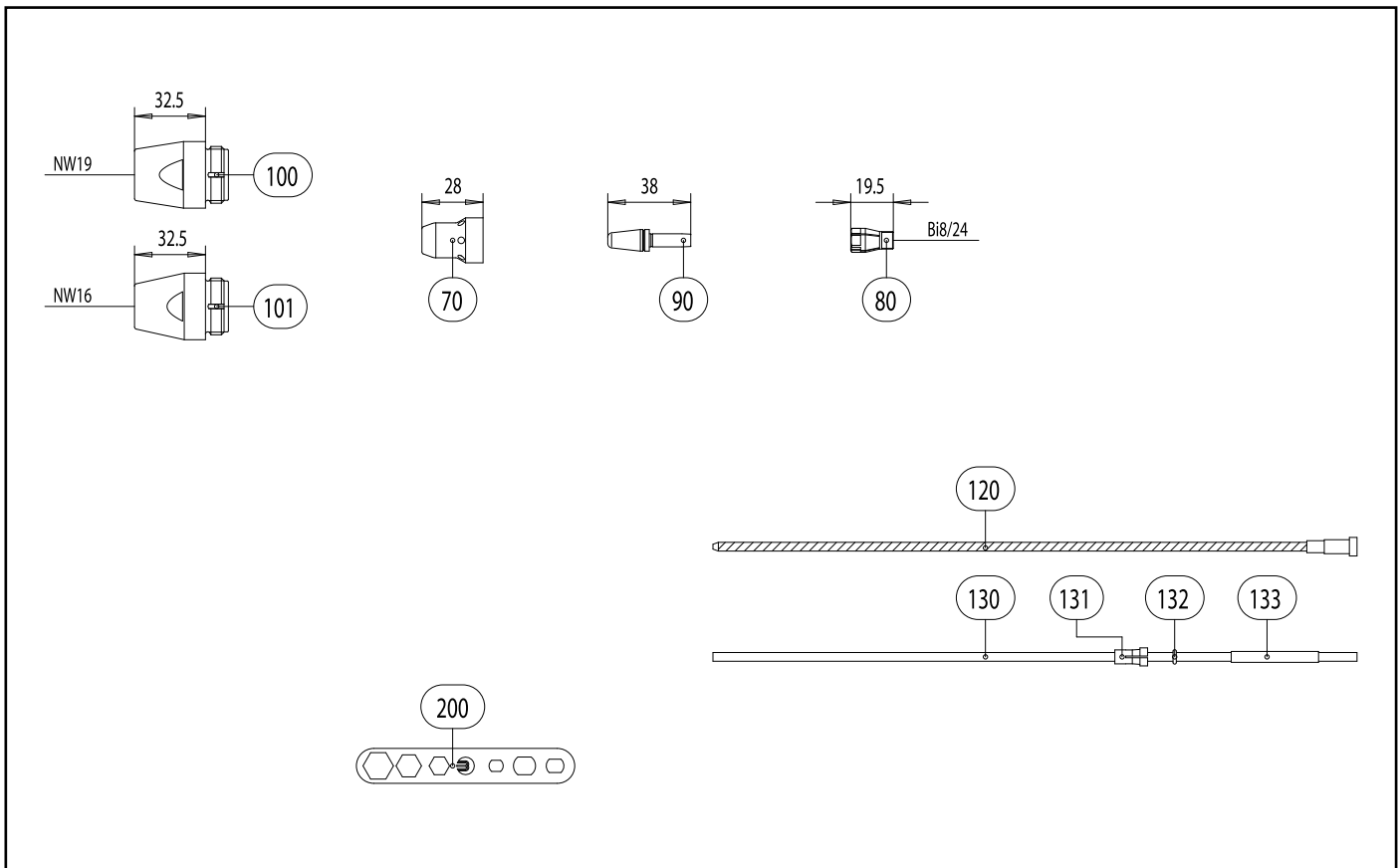


# MIG/MAG Welding Torches ABIMIG® 645 W



Pos.	Description	Units	Part-No.	Product-group
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; Ø 5.5x1.5	40 m	109.0052	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
51	Hose clamp Ø 9.5 mm with ring (mark 10.0)	100 Pcs.	173.0002	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Outer cover Ø 25x1.5	40 m	107.0004	4050
53.1	Socket joint cpl.		400.0949	1095
56	Cable support machine side big cpl. ND 31		500.0342	9010
56	Cable support machine side		501.2379	9010
56	Hose guide		500.0334	9010
56.1	Connecting set machine side for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		766.0501	1395
59.1	Central adaptor WZ-2		766.0501	1395
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010

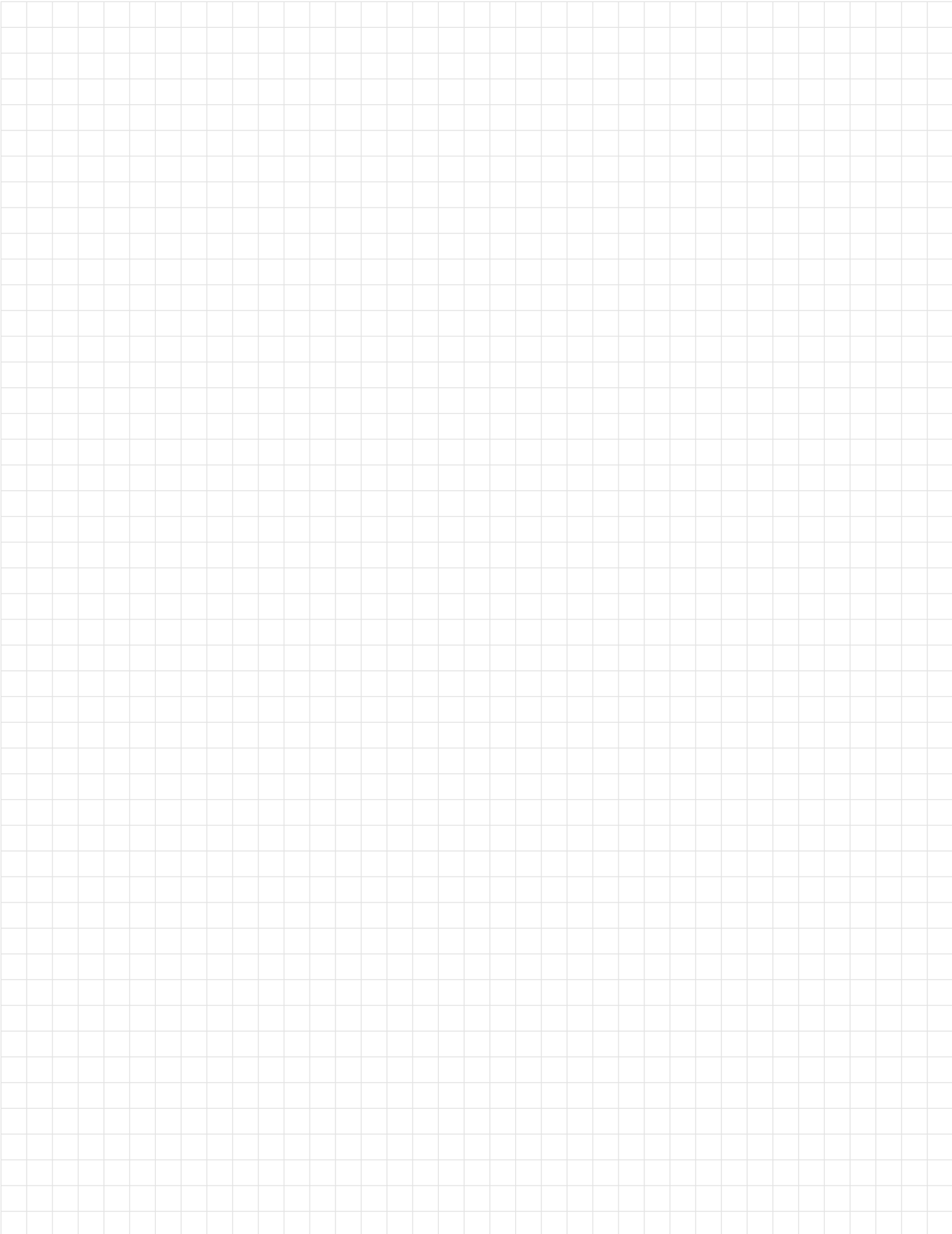
# MIG/MAG Welding Torches ABIMIG® 645 W



Pos.	Description	Units	Part-No.	Product-group
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	766.1095	1332
70	Gas diffuser, long life	10 Pcs.	766.1078	1332
70	Gas diffuser, ceramic	10 Pcs.	766.1135	1332
80	Collet body	10 Pcs.	766.1051	1333
90	Contact tip CuCrZr; Ø 1.0 (9.9x38)	10 Pcs.	140.1312	1031
90	Contact tip CuCrZr; Ø 1.2 (9.9x38)	10 Pcs.	140.1313	1031
90	Contact tip CuCrZr; Ø 1.6 (9.9x38)	10 Pcs.	140.1315	1031
100	Gas nozzle; cylindrical; ND Ø 19.0	2 Pcs.	766.1075	1337
101	Gas nozzle; conical; ND Ø 16.0	2 Pcs.	766.1074	1337
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0113	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 3.00 m		124.0114	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 4.00 m		124.0115	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 5.00 m		124.0116	1334
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 3.00 m		126.0069	1334
130	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 4.00 m		126.0070	1334
130	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 5.00 m		126.0071	1334
130	Plastic core liner; 2.4; petrol; for wire Ø 1.6; for 3.00 m		126.0072	1334

# MIG/MAG Welding Torches ABIMIG® 645 W

Pos.	Description	Units	Part-No.	Product-group
130	Plastic core liner; 2.4; petrol; for wire Ø 1.6; for 4.00 m		126.0073	1334
130	Plastic core liner; 2.4; petrol; for wire Ø 1.6; for 5.00 m		126.0074	1334
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard		191.0001	9010



MIG/MAG Machine Welding Torches

## AUT / ABIMIG® MT air and liquid cooled

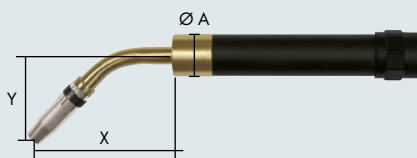
“For every application the right solution”

Machine welding processes are used wherever high precision and productivity is required. Accessibility to the components very often requires special solutions with mechanical torches. ABICOR BINZEL offers an almost infinite variety of solutions, always based on the design of the world-wide recognized manual torches.

This means, experience in service life and quality offers additional advantages, so that special parts are not required.

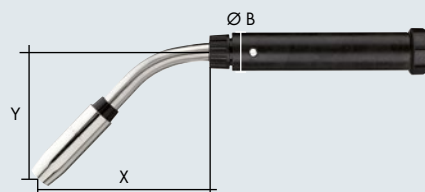
- Expert competence
- Separate special torch production - short delivery time
- High availability
- Right solution for every job

### Fixed swan neck



Ø A	air cooled torches:	38 mm
	liquid cooled torches:	38 mm

### Changeable swan neck

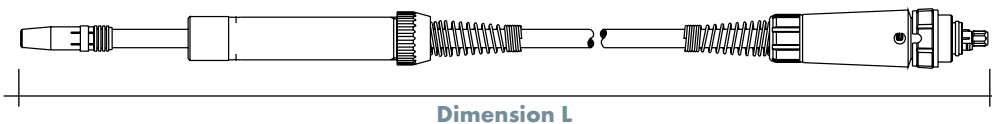


Ø B	air cooled torches:	37 mm
	liquid cooled torches:	40 mm

### Order information:

When ordering complete torches, please indicate the torch type, torch geometry (straight or bent) and dimension "L" (see sketch).

The wear parts - contact tip, gas nozzle, gas diffuser, contact tip holder, neck liner or liner - are identical with those of the manual welding torches of same size ((ABIMIG® 455 / 645 on request).



Dimension L

# MIG/MAG Machine Welding Torches AUT / ABIMIG® MT

Pos.	Description	Units	Part-No.	Product-group
<b>Fixed swan neck</b>				
1	Swan neck AUT 15 AK; 45° bent		902.0004	1050
1	Swan neck AUT 24 KD; straight		912.0001	1050
1	Swan neck AUT 24 KD; 45° bent		912.0002	1050
1	Swan neck AUT 25 AK; straight		904.0003	1050
1	Swan neck AUT 25 AK; 45° bent		904.0004	1050
1	Swan neck AUT 26/36; straight		914.0002	1051
1	Swan neck AUT 26/36; 45° bent		914.0001	1051
1	Swan neck AUT 240 D; straight		923.0001	1052
1	Swan neck AUT 240 D; 45° bent		923.0002	1052
1	Swan neck AUT 401/501; straight		932.0001	1052
1	Swan neck AUT 401/501; 45° bent		932.0002	1052
1	Swan neck AUT 401 D/501 D; straight		934.0001	1052
1	Swan neck AUT 401 D/501 D; 45° bent		934.0002	1052
1	Swan neck ABIMIG® W 555 MT; 0°		766.0878.1	1352
1	Swan neck ABIMIG® W 555 MT; 22° bent		766.0879.1	1352
1	Swan neck ABIMIG® W 555 MT; 45° bent		766.0880.1	1352
1	Swan neck ABIMIG® W 555 D MT; 0°		766.0865.1	1352
1	Swan neck ABIMIG® W 555 D MT; 22° bent		766.0866.1	1352
1	Swan neck ABIMIG® W 555 D MT; 45° bent		766.0867.1	1352
1	Swan neck ABIMIG® W 605 MT; 0°		766.0883.1	1352
1	Swan neck ABIMIG® W 605 MT; 22° bent		766.0884.1	1352
1	Swan neck ABIMIG® W 605 MT; 45° bent		766.0885.1	1352
1	Swan neck ABIMIG® W 605 D MT; 0°		766.0871.1	1352
1	Swan neck ABIMIG® W 605 D MT; 22° bent		766.0872.1	1352
1	Swan neck ABIMIG® W 605 D MT; 45° bent		766.0873.1	1352
1	Swan neck ABIMIG® -MT 645W; straight		766.0459	1352
1	Swan neck ABIMIG® -MT 645W; 45° bent		766.0460	1352
<b>Changeable swan neck</b>				
2	Swan neck ABIMIG® MT 255 T8M; straight		012.D122	1508
2	Swan neck ABIMIG® MT 255 T8M; 45° bent		004.D785	1306
2	Swan neck ABIMIG® MT 355 T8M; straight		014.D812	1308
2	Swan neck ABIMIG® MT 355 T8M; 45° bent		014.D808	1308
2	Swan neck ABIMIG® MT 455 T8M; straight		016.D250	1508
2	Swan neck ABIMIG® MT 455 T8M; 45° bent		016.D225	1308
<b>Handle tube AUT 15/24/25/26/36</b>				
3	Handle tube AUT		180.0097	1095
3	Coupling nut M38x2		400.0137	9010
3	Cable support spring ND 19		500.0225	9010
3	Pan head screw M4x6	20 Pcs.	000.0552	9010
<b>Handle tube AUT 240 D/401/401 D/501/501 D</b>				
4	Handle tube AUT		180.0097	1095
4	Biclip Set 25/28		400.0332	9010
4	Pan head screw M4x6	20 Pcs.	000.0552	9010
<b>Handle tube MT 555/605/645</b>				
5	Handle tube MT		180.0114	1395
5	Counter sunk screw M4x8	20 Pcs.	009.0315	1095
<b>Handle tube MT 255/355/455</b>				
6	Counter sunk screw M4x8	20 Pcs.	009.0315	1095



## MIG/MAG Welding Torches

# Push-Pull Plus

## air and liquid cooled

“The long-distance torches ...”

The Push-Pull welding torches of the product line “PP” guarantee constant and problem-free wire feeding. Push-pull guns are ideally suited for hard-to-feed wire like aluminium, thin wire and for extended cable assemblies. Due to their reliability the torches have become the industry standard in shipbuilding, container and tank manufacture, and are also used extensively in the construction of automobiles and railway vehicles. All torches are corresponding in their construction to the well-established MB welding torches of the same style.

- Constant and problem-free wire feeding
- Optimum cooling of the torch, extending torch life
- Time-saving torch change-over due to the ABICOR BINZEL central plug- and central connecting system
- Air cooled up to 300 A
- Liquid cooled up to 350 A



### Technical data (EN 60 974-7)

#### MIG/MAG Welding Torches “Push-Pull Plus” (air cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>Push-Pull Plus 36 D</b>	300	270	60	0.8-1.2

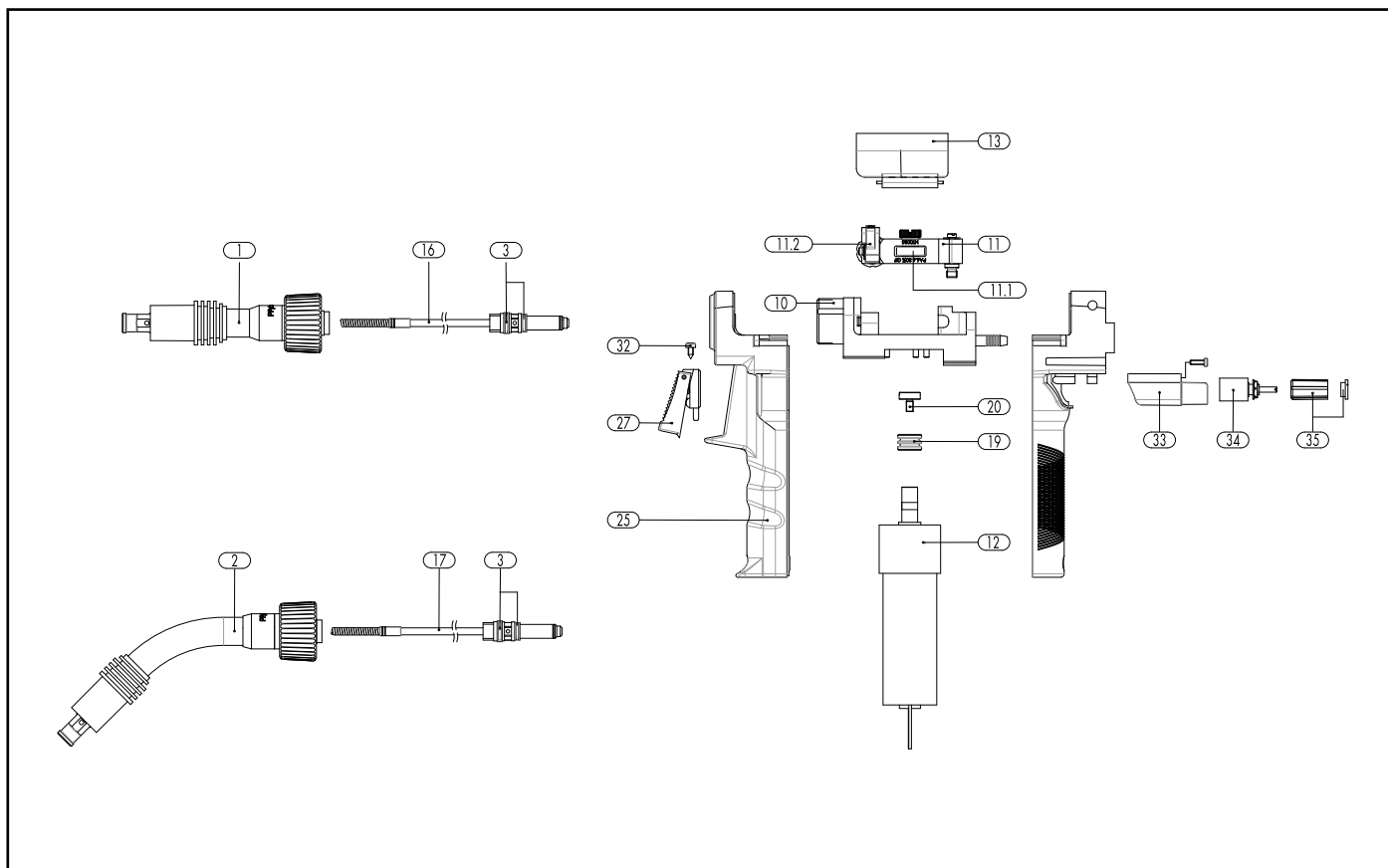
Subject to change without notice.

#### MIG/MAG Welding Torches “Push-Pull PlusP” (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>Push-Pull Plus 240 D</b>	270	240	100	0.8-1.2
<b>Push-Pull Plus 401 D</b>	400	350	100	0.8-1.2

Subject to change without notice.

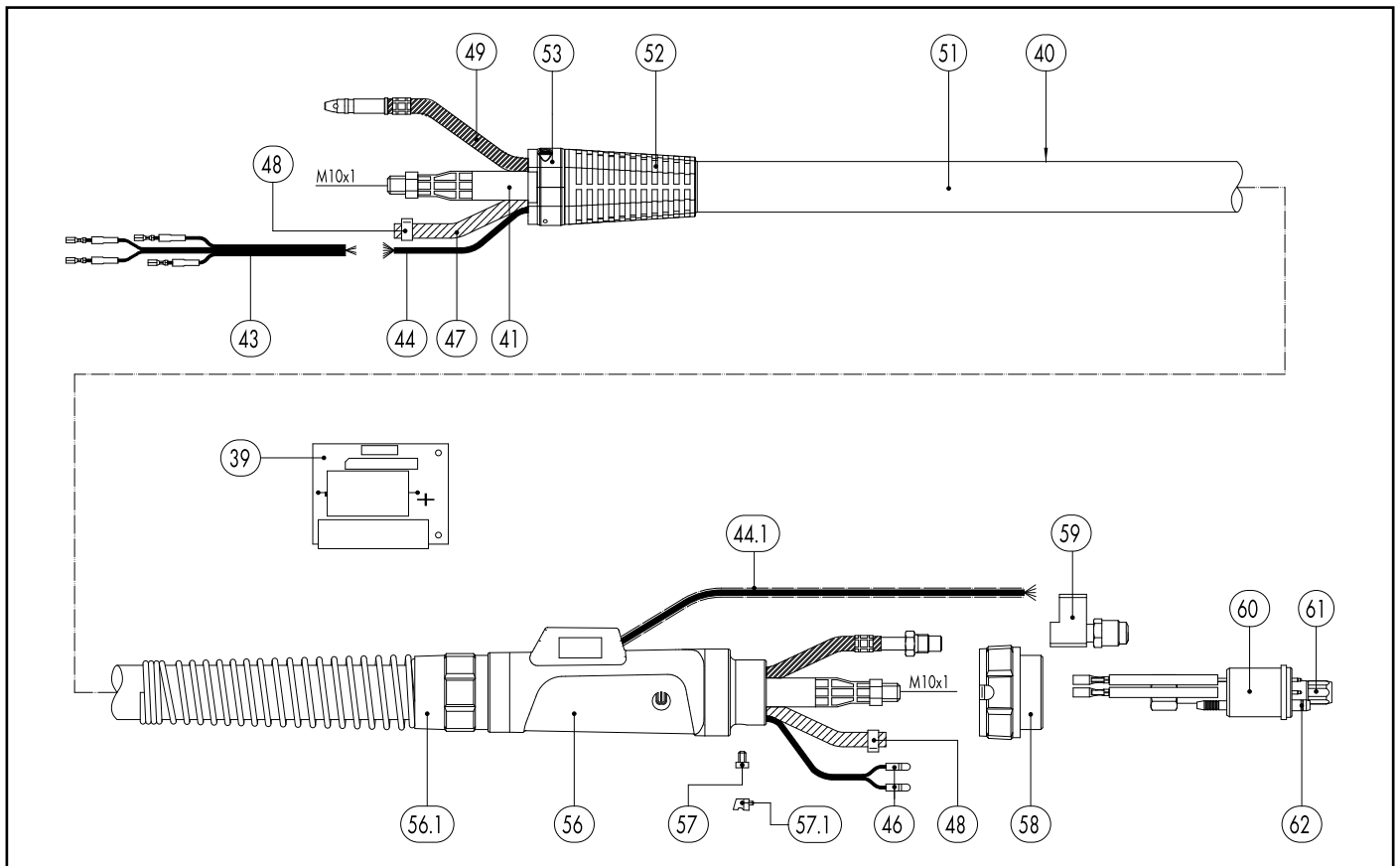
# MIG/MAG Welding Torches Push-Pull Plus 36 D



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	Push-Pull Plus 36 D; straight; 40 V motor; central adaptor GZ-2; 8.00 m		085.0104.1	1029
	Push-Pull Plus 36 D; 45° bent; 40 V motor; central adaptor GZ-2; 8.00 m		085.0105.1	1029
	Push-Pull Plus 36 D; straight; 40 V motor; poti 10 k-Ohm, central adaptor GZ-2; 8.00 m		085.0106.1	1029
	Push-Pull Plus 36 D; 45° bent; 40 V motor; poti 10 k-Ohm, central adaptor GZ-2; 8.00 m		085.0107.1	1029
<b>Swan neck</b>				
1	Swan neck Push-Pull Plus 36 D; straight		085.0116.1	1014
2	Swan neck Push-Pull Plus 36 D; 45° bent		085.0117.1	1014
3	Wear parts set gasket rings		085.0029	1095
<b>Torch body, gear motor and equipment</b>				
10	Torch adaptor cpl.		085.0019	1095
11	Pressure trigger cpl.		085.0018	1095
11.1	Pressure roll		085.0042	1095
11.2	Pressure button cpl.		085.0043	1095
12	Gear motor 24 V DC		085.0102.1	1095
12	Gear motor 40 V DC		085.0103.1	1095
13	Cover cpl.		400.1186	1095
16	Neckliner for wire Ø 0.8 - 1.0 mm (length=145 mm)	3 Pcs.	149.0260.3	1034
16	Neckliner for wire Ø 1.2 - 1.6 mm (length=145 mm)	3 Pcs.	149.0261.3	1034
17	Neckliner for wire Ø 0.8 - 1.0 mm (length=197 mm)	3 Pcs.	149.0262.3	1034
17	Neckliner for wire Ø 1.2 - 1.6 mm (length=197 mm)	3 Pcs.	149.0263.3	1034
19	Wire feed roll ST / AL 0.8 / 0.8 mm		095.0064.1	1095
19	Wire feed roll ST / AL 1.0 / 1.0 mm		095.0065.1	1095
19	Wire feed roll ST / AL 1.2 / 1.2 mm		095.0066.1	1095
20	Knurled screw M4	5 Pcs.	085.0113.5	1095

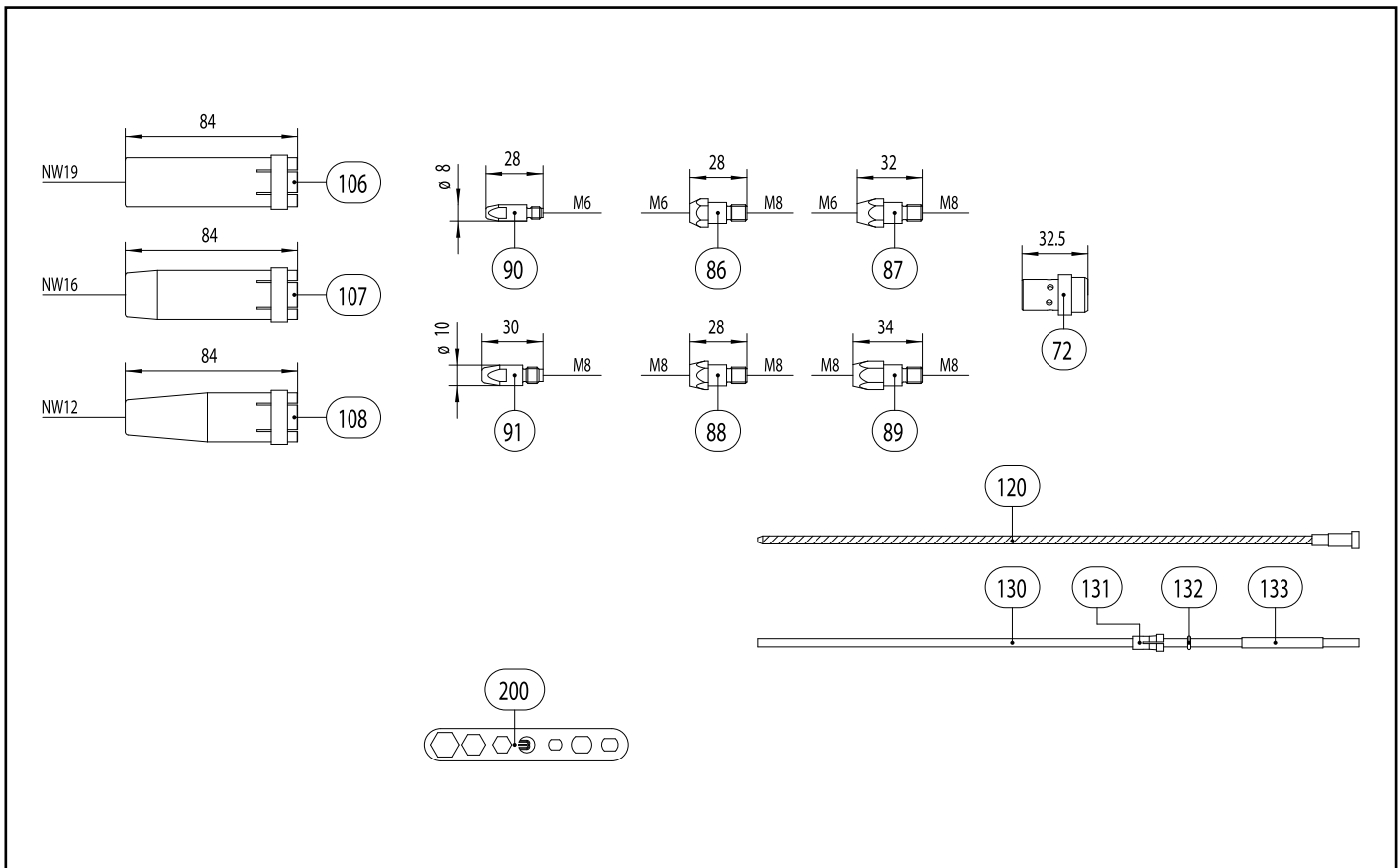


# MIG/MAG Welding Torches Push-Pull Plus 36 D



Pos.	Description	Units	Part-No.	Product-group
<b>Handle</b>				
25	Handle cpl. incl. mounting screws and extension material		085.0017	1095
27	Trigger 2-pole		185.0100	1095
32	Sheet metal screw 2.9x6.5	20 Pcs.	079.0003	9010
33	Potentiometerhousing cpl.		085.0016	1095
34	Potentiometer (2.0 k-Ohm)		187.0078	9010
34	Potentiometer (5.5 k-Ohm)		187.0076	9010
34	Potentiometer (10.0 k-Ohm)		187.0075	9010
34	Potentiometer (20.0 k-Ohm)		187.0079	9010
35	Potentiometer knob cpl.		085.0041	1095
<b>Printed circuit board</b>				
39	Printed circuit board for 42 V motor		080.0009	1095
<b>Cable assembly</b>				
40	Cable assembly cpl. 8.00 m with 7-pol. control leads without central adaptor GZ-2		085.0040	1095
41	Power cable cpl. Type 35		118.0074	1012
43	Control lead cpl. 4-pole (0.4 m)		101.0054	1095
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.2 mm with ring (mark 8.7)	100 Pcs.	173.0005	9010
49	Wire conduit cpl. for 8.00 m		156.0273	1012
51	Fabrics hose 28x1.5 mm (40 m)	40 m	107.0091	4050
52	Cable support		400.1188	1095
53	Cable support fastening cpl.		400.1247	1095
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring big ND 31		500.0274	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010

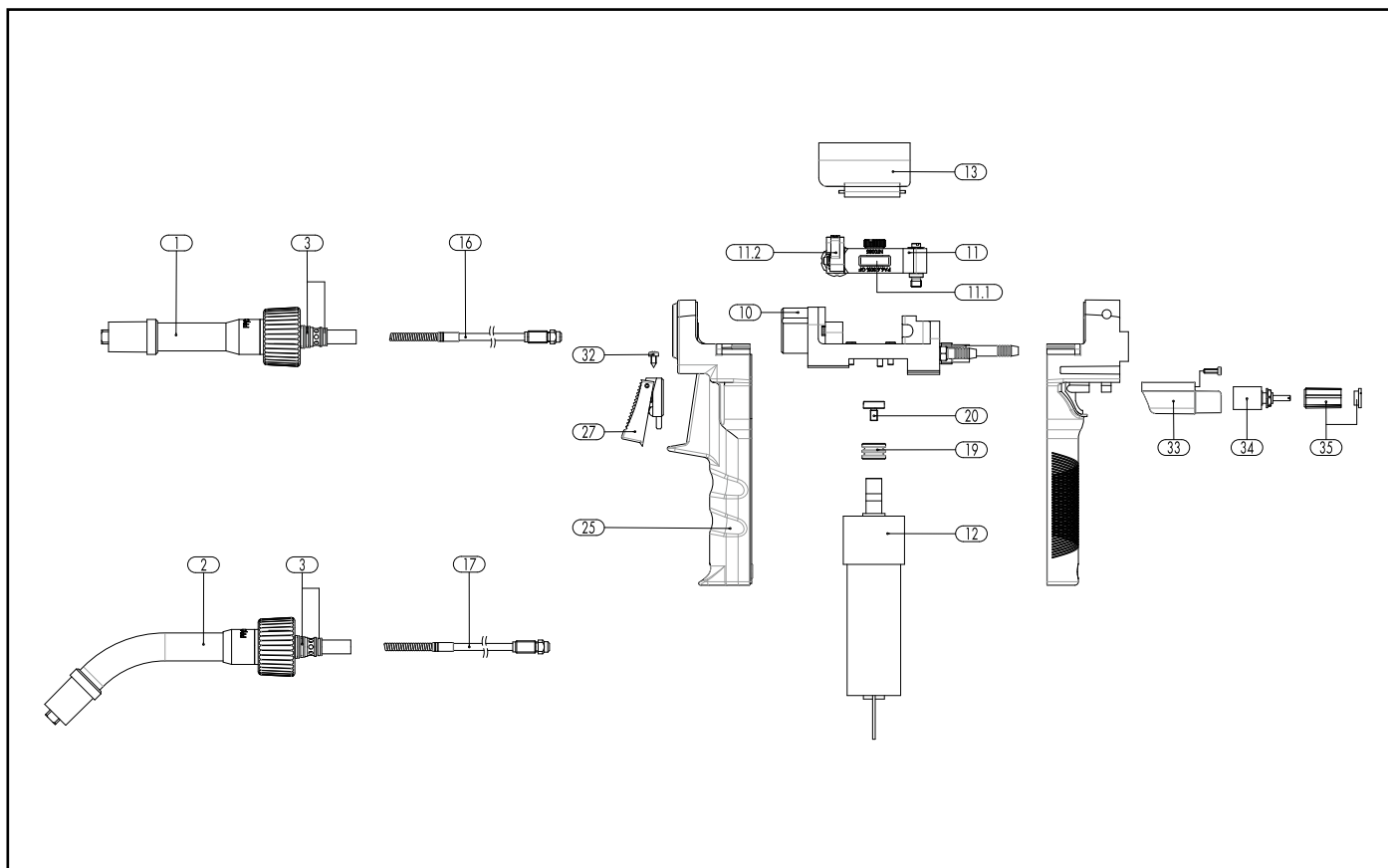
# MIG/MAG Welding Torches Push-Pull Plus 36 D



Pos.	Description	Units	Part-No.	Product-group
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Powerfitting cpl. M14x1		500.0460	1095
60	Central adaptor GZ-2		501.0018	1095
61	Coupling nut M10x1, plastic	5 Pcs.	501.D536.5	1595
62	O-Ring 4x1	20 Pcs.	165.0002	9010
44	Control lead 7-pole; 0,34 qmm (100 m)	100 m	100.0034	4050
<b>Wear parts</b>				
72	Gas diffuser, white	10 Pcs.	014.0261	1032
72	Gas diffuser, long life	10 Pcs.	014.0026	1032
72	Gas diffuser, ceramic	10 Pcs.	014.0023	1032
86	Contact tip holder M6; 28.0 mm (short)	10 Pcs.	142.0005	1033
87	Contact tip holder M6; 32.0 mm (long)	10 Pcs.	142.0011	1033
88	Contact tip holder M8; 28.0 mm (short)	10 Pcs.	142.0020	1033
89	Contact tip holder M8; 34.0 mm (long)	10 Pcs.	142.0024	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031

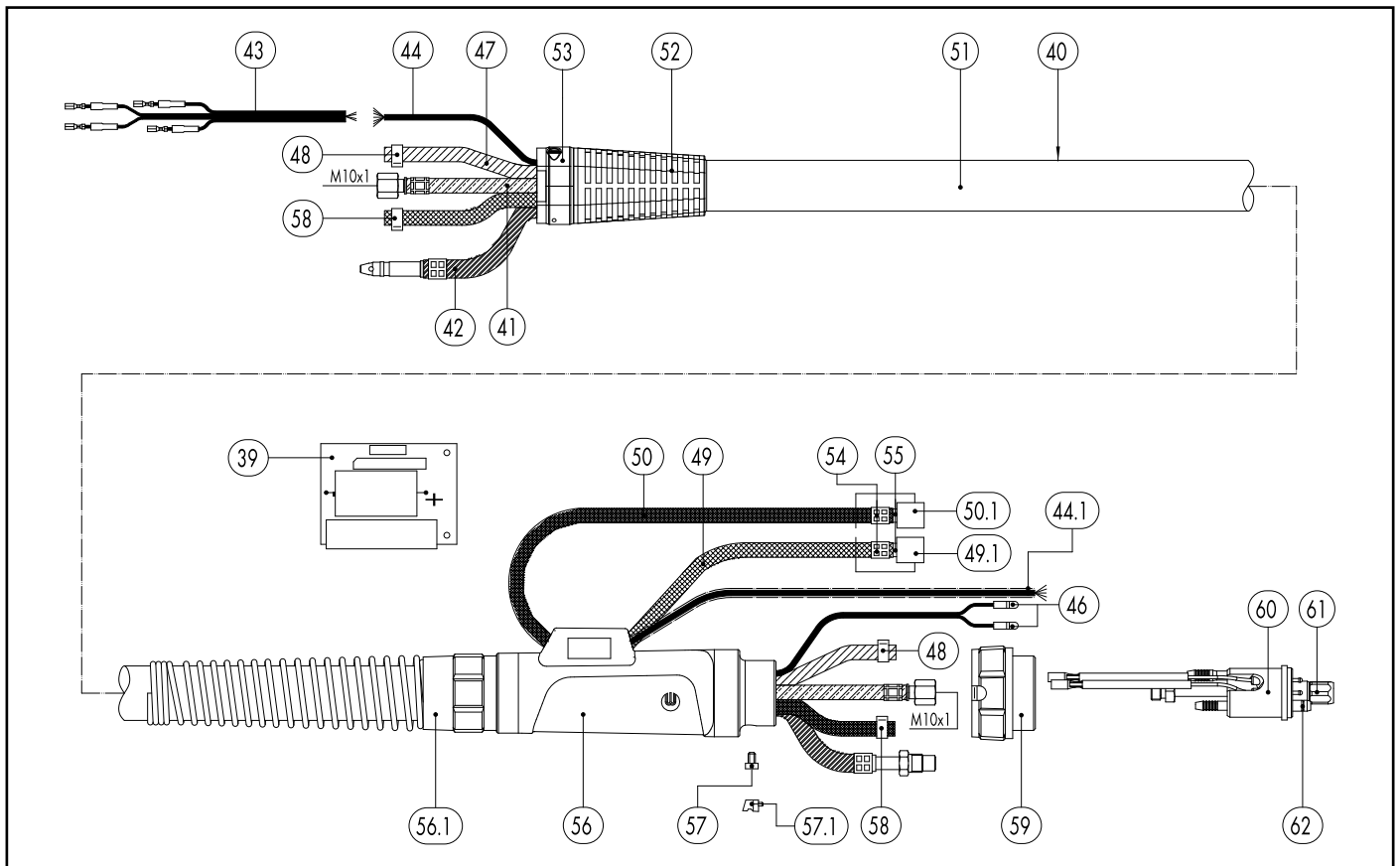


# MIG/MAG Welding Torches Push-Pull Plus 240 D



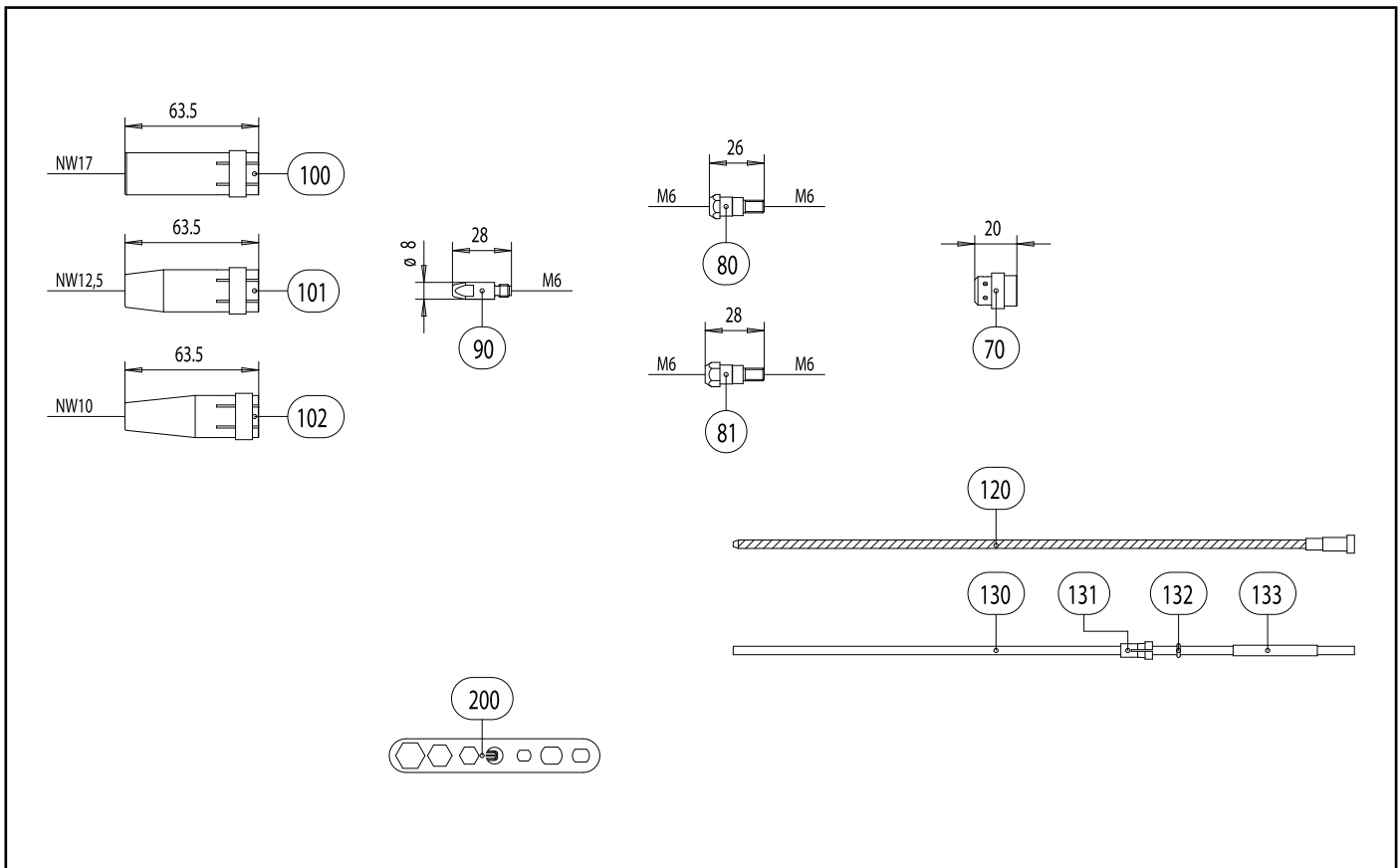
Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	Push-Pull Plus 240 D; straight; 40 V motor; central adaptor WZ-2; 8.00 m		095.0110.1	1029
	Push-Pull Plus 240 D; 45° bent; 40 V motor; central adaptor WZ-2; 8.00 m		095.0111.1	1029
	Push-Pull Plus 240 D; straight; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		095.0119.1	1029
	Push-Pull Plus 240 D; 45° bent; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		095.0120.1	1029
<b>Swan neck</b>				
1	Swan neck Push-Pull Plus 240 D; straight		095.0040.1	1009
2	Swan neck Push-Pull Plus 240 D; 45° bent		095.0052.1	1009
3	Wear parts set gasket rings		095.0001	1095
<b>Torch body, gear motor and equipment</b>				
10	Torch adaptor cpl.		095.0032	1095
11	Pressure trigger cpl.		085.0018	1095
11.1	Pressure roll		085.0042	1095
11.2	Pressure button cpl.		085.0043	1095
12	Gear motor 24 V DC		085.0102.1	1095
12	Gear motor 40 V DC		085.0103.1	1095
13	Cover cpl.		095.0072.1	1095
16	Neckliner for wire Ø 0.8 - 1.0 mm (length=134 mm)	3 Pcs.	149.0264.3	1034
16	Neckliner for wire Ø 1.2 - 1.6 mm (length=134 mm)	3 Pcs.	149.0265.3	1034
17	Neckliner for wire Ø 0.8 - 1.0 mm (length=194 mm)	3 Pcs.	149.0266.3	1034
17	Neckliner for wire Ø 1.2 - 1.6 mm (length=194 mm)	3 Pcs.	149.0267.3	1034
19	Wire feed roll ST / AL 0.8 / 0.8 mm		095.0064.1	1095
19	Wire feed roll ST / AL 1.0 / 1.0 mm		095.0065.1	1095
19	Wire feed roll ST / AL 1.2 / 1.2 mm		095.0066.1	1095
20	Knurled screw M4	5 Pcs.	085.0113.5	1095

# MIG/MAG Welding Torches Push-Pull Plus 240 D



Pos.	Description	Units	Part-No.	Product-group
<b>Handle</b>				
25	Handle cpl. incl. mounting screws and extension material		085.0017	1095
27	Trigger 2-pole		185.0100	1095
32	Sheet metal screw 2.9x6.5	20 Pcs.	079.0003	9010
33	Potentiometerhousing cpl.		085.0016	1095
34	Potentiometer (2.0 k-Ohm)		187.0078	9010
34	Potentiometer (5.5 k-Ohm)		187.0076	9010
34	Potentiometer (10.0 k-Ohm)		187.0075	9010
34	Potentiometer (20.0 k-Ohm)		187.0079	9010
35	Potentiometer knob cpl.		085.0041	1095
<b>Printed circuit board</b>				
39	Printed circuit board for 42 V motor		080.0009	1095
<b>Cable assembly</b>				
40	Cable assembly cpl. 8.00 m with 7-pol. control leads without central adaptor GZ-2		095.0031	1095
41	Power cable Push Pull (PVC) for 8.00 m		115.0043	1012
42	Wire conduit cpl. for 8.00 m		156.0273	1012
43	Control lead cpl. 4-pole (0.4 m)		101.0054	1095
44	Control lead 7-pole; 0,34 qmm (100 m)	100 m	100.0034	4050
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.2 mm with ring (mark 8.7)	100 Pcs.	173.0005	9010
49	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
49.1	Fastener cap blue	20 Pcs.	501.2424	1095
50	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0114	1095
50.1	Fastener cap red	20 Pcs.	501.2423	1095
51	Fabrics hose 28x1.5 mm (40 m)	40 m	107.0091	4050

# MIG/MAG Welding Torches Push-Pull Plus 240 D

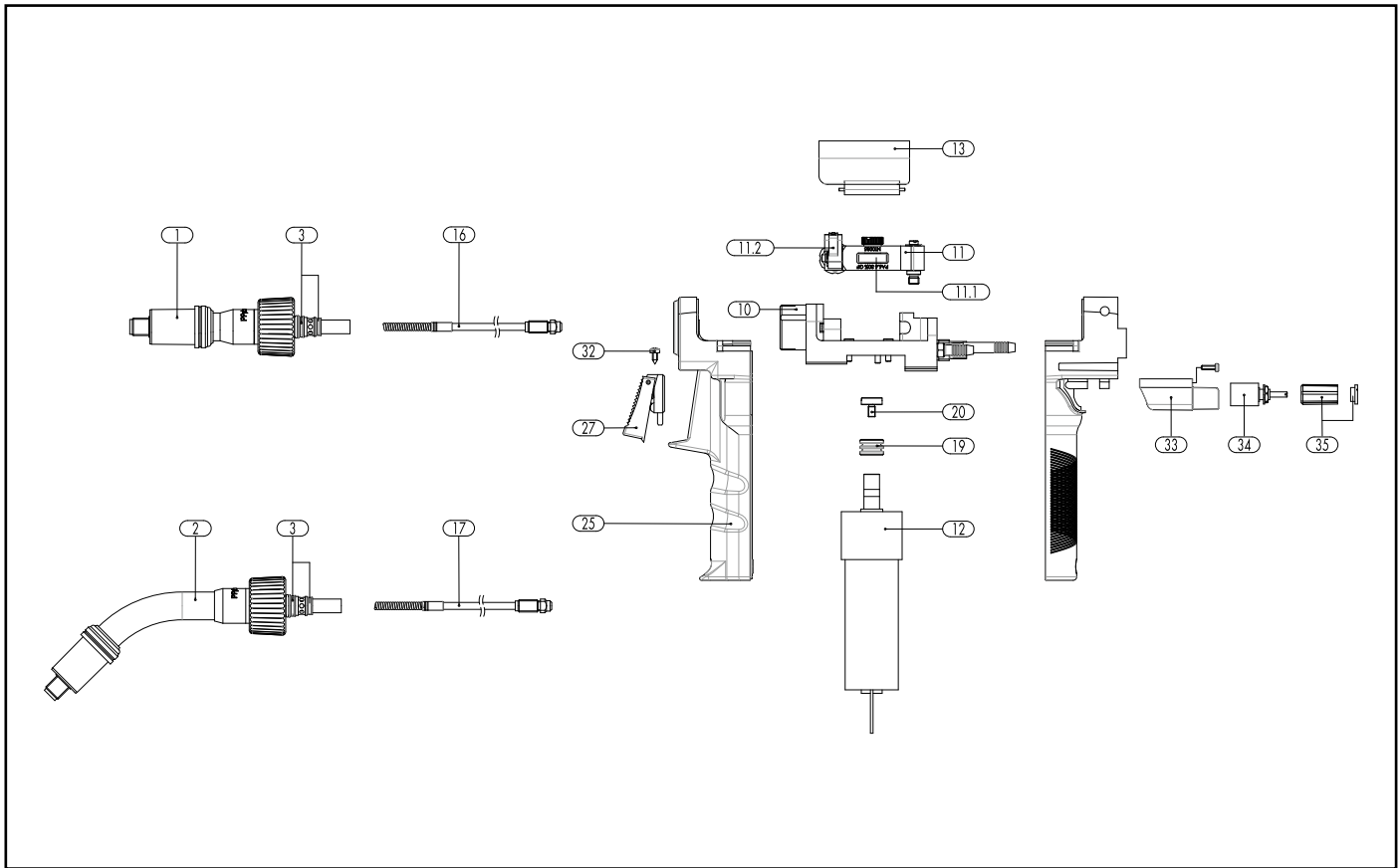


Pos.	Description	Units	Part-No.	Product-group
52	Cable support		400.1188	1095
53	Cable support fastening cpl.		400.1247	1095
54	Hose clamp $\varnothing$ 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
55	Plug nipple ND 5 mm / $\varnothing$ 6.0 mm	20 Pcs.	501.0114	9010
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring big ND 31		500.0274	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Hose clamp $\varnothing$ 9.5 mm with ring (mark 10.0)	100 Pcs.	173.0002	9010
59	Adaptor nut M33x2		500.0213	9010
60	Central adaptor WZ-2		501.0015	9010
61	Coupling nut M10x1	10 Pcs.	501.0082	9010
62	O-Ring 4x1	20 Pcs.	165.0002	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; $\varnothing$ 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; $\varnothing$ 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; $\varnothing$ 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; $\varnothing$ 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; $\varnothing$ 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030

# MIG/MAG Welding Torches Push-Pull Plus 240 D

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
102	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 0.8 - 1.2; for 8.00 m		122.0040	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 0.8 - 1.2; for 8.00 m		126.0030	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 0.8 - 1.2; for 8.00 m		127.0009	1034
130	Polyamid core liner 2.0/4.0; wire electrode Ø 0.8 - 1.2; for 8.00 m		128.0019	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard		191.0001	9010

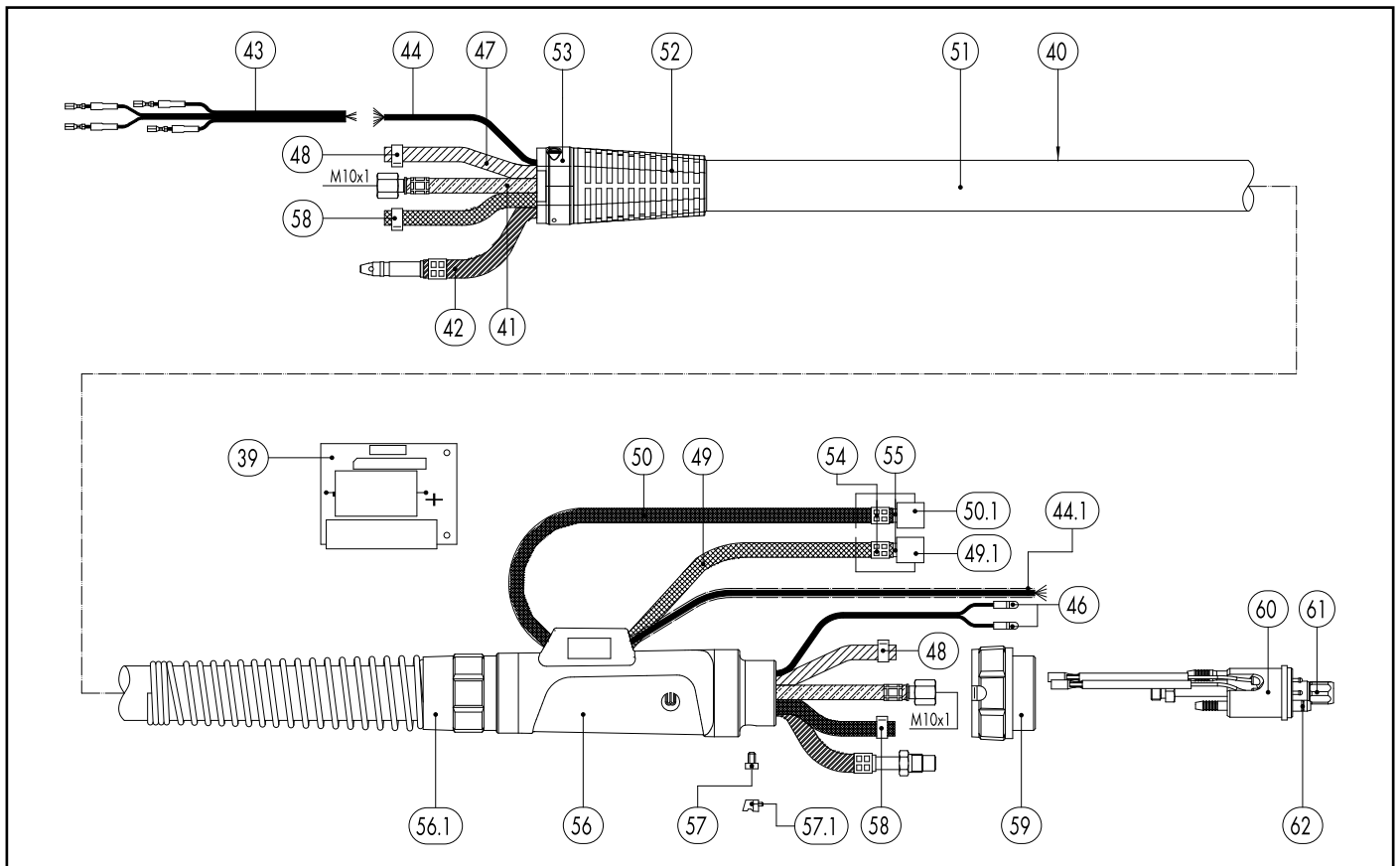
# MIG/MAG Welding Torches Push-Pull Plus 401 D



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	Push-Pull Plus 401 D; straight; 40 V motor; central adaptor WZ-2; 8.00 m		095.0100.1	1029
	Push-Pull Plus 401 D; 45° bent; 40 V motor; central adaptor WZ-2; 8.00 m		095.0101.1	1029
	Push-Pull Plus 401 D; straight; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		095.0114.1	1029
	Push-Pull Plus 401 D; 45° bent; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		095.0115.1	1029
<b>Swan neck</b>				
1	Swan neck PP Plus 401 D; straight		095.0002	1009
2	Swan neck PP Plus 401 D; 45° bent		095.0015	1009
3	Wear parts set gasket rings		095.0001	1095
<b>Torch body, gear motor and equipment</b>				
10	Torch adaptor cpl.		095.0032	1095
11	Pressure trigger cpl.		085.0018	1095
11.1	Pressure roll		085.0042	1095
11.2	Pressure button cpl.		085.0043	1095
12	Gear motor 24 V DC		085.0102.1	1095
12	Gear motor 40 V DC		085.0103.1	1095
13	Cover cpl.		095.0009	1095
16	Neckliner for wire Ø 0.8 - 1.0 mm (length=134 mm)	3 Pcs.	149.0264.3	1034
16	Neckliner for wire Ø 1.2 - 1.6 mm (length=134 mm)	3 Pcs.	149.0265.3	1034
17	Neckliner for wire Ø 0.8 - 1.0 mm (length=194 mm)	3 Pcs.	149.0266.3	1034
17	Neckliner for wire Ø 1.2 - 1.6 mm (length=194 mm)	3 Pcs.	149.0267.3	1034
19	Wire feed roll ST / AL 0.8 / 0.8 mm		095.0064.1	1095
19	Wire feed roll ST / AL 1.0 / 1.0 mm		095.0065.1	1095
19	Wire feed roll ST / AL 1.2 / 1.2 mm		095.0066.1	1095
19	Wire drive roll 1.6/1.6 PP Plus / universal / D-form		095.0067.1	1095
20	Knurled screw M4	5 Pcs.	085.0113.5	1095

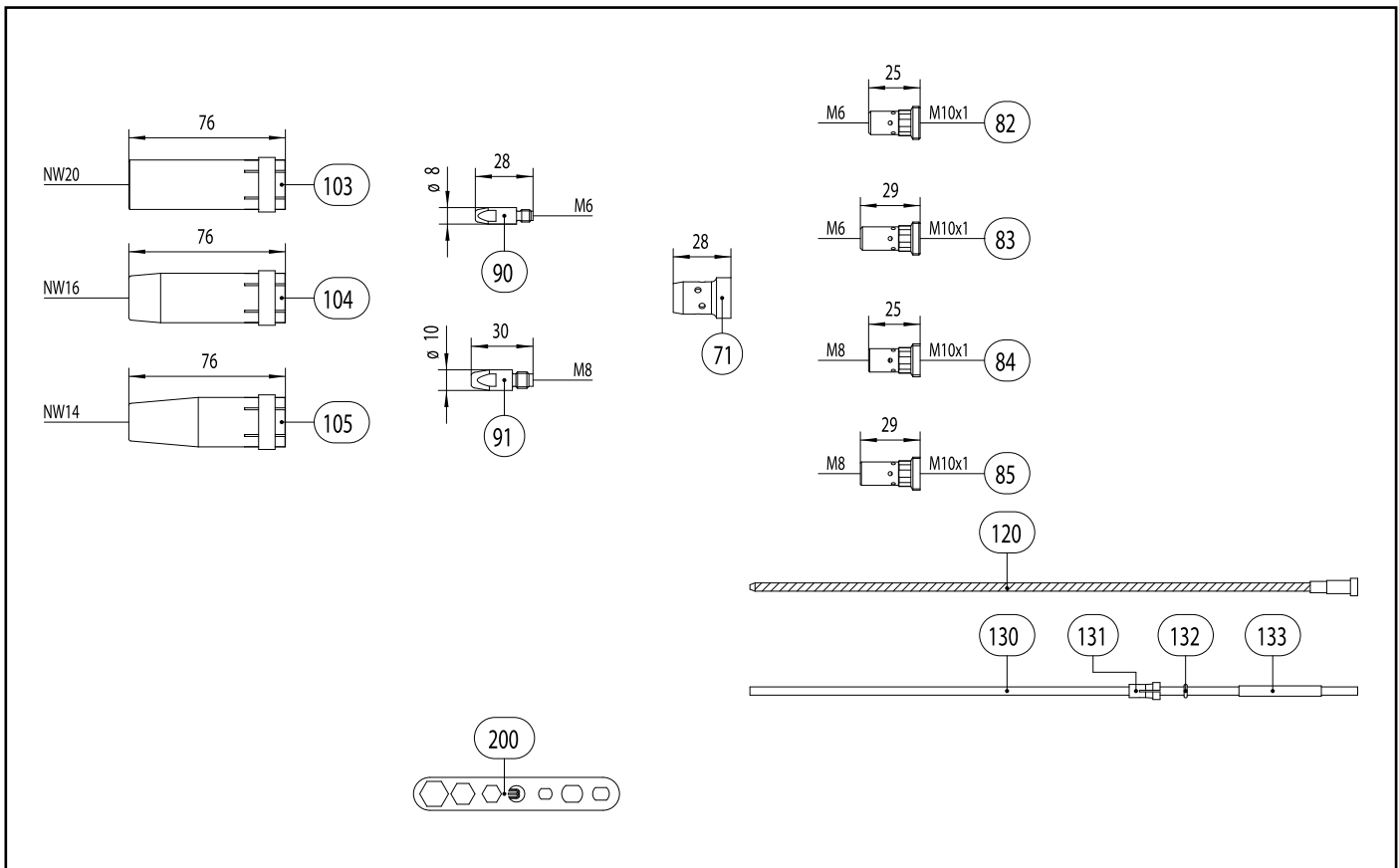


# MIG/MAG Welding Torches Push-Pull Plus 401 D



Pos.	Description	Units	Part-No.	Product-group
<b>Handle</b>				
25	Handle cpl. incl. mounting screws and extension material		085.0017	1095
27	Trigger 2-pole		185.0100	1095
32	Sheet metal screw 2.9x6.5	20 Pcs.	079.0003	9010
33	Potentiometerhousing cpl.		085.0016	1095
34	Potentiometer (2.0 k-Ohm)		187.0078	9010
34	Potentiometer (5.5 k-Ohm)		187.0076	9010
34	Potentiometer (10.0 k-Ohm)		187.0075	9010
34	Potentiometer (20.0 k-Ohm)		187.0079	9010
35	Potentiometer knob cpl.		085.0041	1095
<b>Printed circuit board</b>				
39	Printed circuit board for 42 V motor		080.0009	1095
<b>Cable assembly</b>				
40	Cable assembly cpl. 8.00 m with 7-pol. control leads without central adaptor GZ-2		095.0031	1095
41	Power cable Push Pull (PVC) for 8.00 m		115.0043	1012
42	Wire conduit cpl. for 8.00 m		156.0273	1012
43	Control lead cpl. 4-pole (0.4 m)		101.0054	1095
44	Control lead 7-pole; 0,34 qmm (100 m)	100 m	100.0034	4050
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.2 mm with ring (mark 8.7)	100 Pcs.	173.0005	9010
49	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
49.1	Fastener cap blue	20 Pcs.	501.2424	1095
50	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0114	1095
50.1	Fastener cap red	20 Pcs.	501.2423	1095
51	Fabrics hose 28x1.5 mm (40 m)	40 m	107.0091	4050

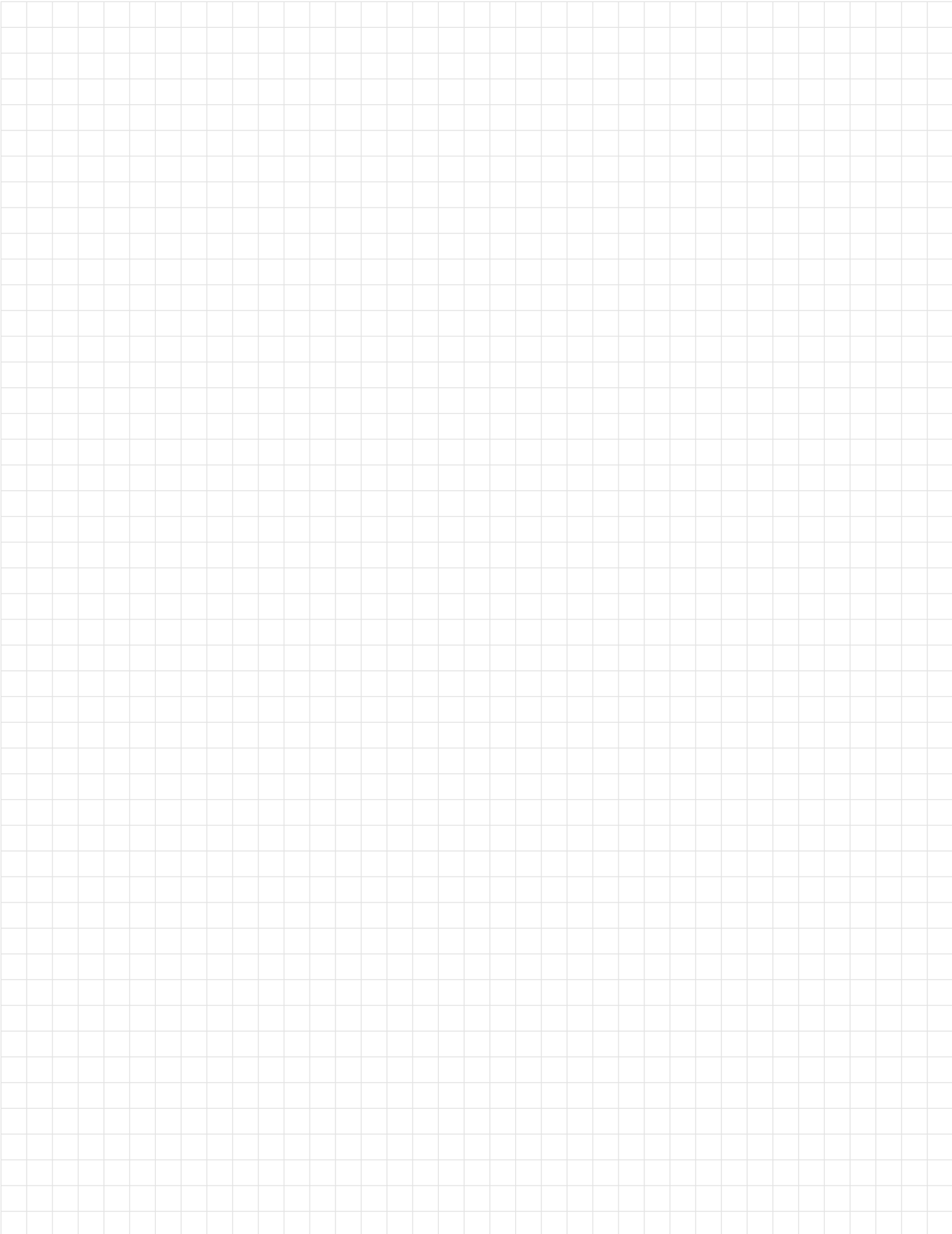
# MIG/MAG Welding Torches Push-Pull Plus 401 D



Pos.	Description	Units	Part-No.	Product-group
52	Cable support		400.1188	1095
53	Cable support fastening cpl.		400.1247	1095
54	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
55	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
56	Cable support machine side big cpl. ND 31		500.0342	9010
56.1	Cable support spring big ND 31		500.0274	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Hose clamp Ø 9.5 mm with ring (mark 10.0)	100 Pcs.	173.0002	9010
59	Adaptor nut M33x2		500.0213	9010
60	Central adaptor WZ-2		501.0015	9010
61	Coupling nut M10x1	10 Pcs.	501.0082	9010
62	O-Ring 4x1	20 Pcs.	165.0002	9010
<b>Wear parts</b>				
71	Gas diffuser, white	10 Pcs.	030.0145	1032
71	Gas diffuser, long life	10 Pcs.	030.0037	1032
71	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
82	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
83	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
84	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
85	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 E-Cu; Ø 1.4 (8x28)	10 Pcs.	140.0516	1030

# MIG/MAG Welding Torches Push-Pull Plus 401 D

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 E-Cu; Ø 1.6 (8x28)	10 Pcs.	140.0555	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 CuCrZr; Ø 1.4 (8x28)	10 Pcs.	140.0519	1031
90	Contact tip M6 CuCrZr; Ø 1.6 (8x28)	10 Pcs.	140.0558	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 E-Cu; Ø 1.6 for alu wire (8x28)	10 Pcs.	141.0020	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	140.0533	1030
91	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	140.0536	1031
91	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	147.0536	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
103	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
104	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
105	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 0.8-1.2; for 8.00 m		122.0040	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.4-1.6; for 8.00 m		122.0065	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 0.8-1.2; for 8.00 m		126.0030	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.4-1.6; for 8.00 m		126.0047	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 0.8-1.2; for 8.00 m		127.0009	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.4-1.6; for 8.00 m		127.0014	1034
130	Polyamid core liner 2.0/4.0; wire electrode Ø 0.8-1.2; for 8.00 m		128.0019	1034
130	Polyamid core liner 2.3/4.7; wire electrode Ø 1.4-1.6; for 8.00 m		128.0023	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard		191.0001	9010



MIG/MAG Fume Extraction Torches

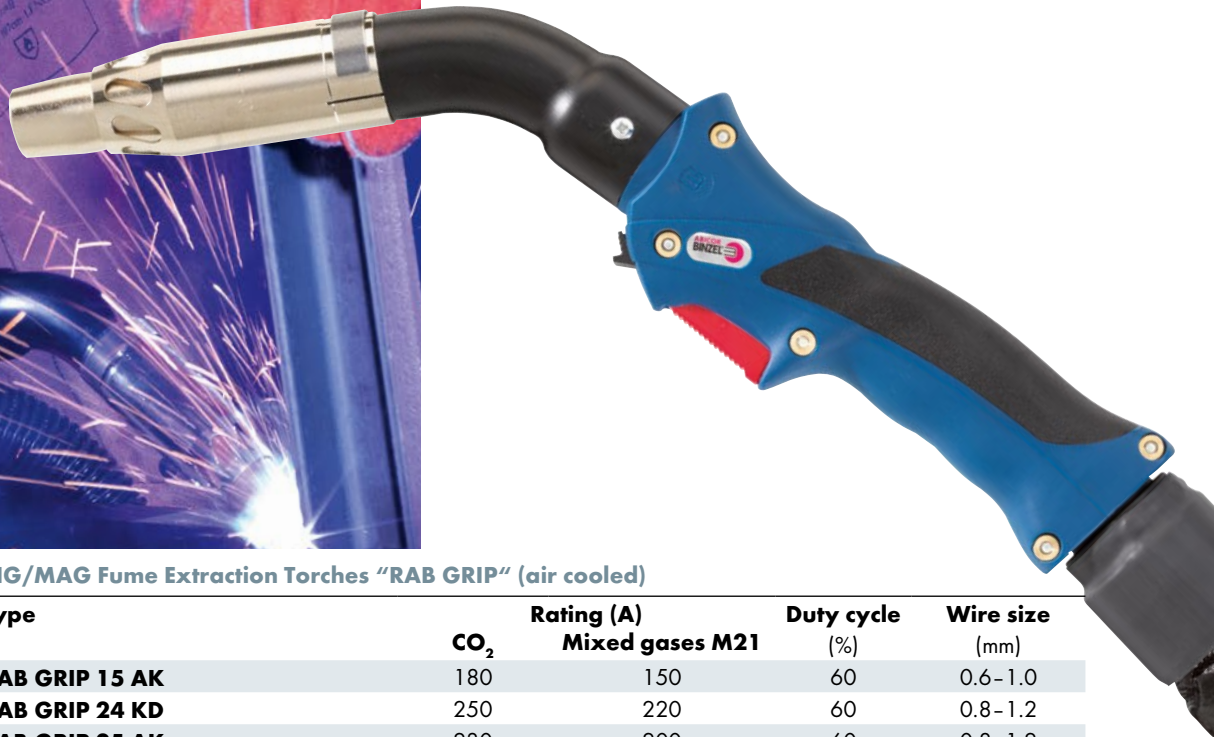
# RAB GRIP

## air and liquid cooled

**“The clean solution”**

Every welding job generates fumes and smoke that might be hazardous if inhaled. Based on the well-established torch series “MB” the RAB GRIP fume extraction torches offer efficient fume extraction through the torch. Special design solutions guarantee efficient smoke removal directly at its source without affecting the protective gas shield.

- Direct extraction at the arc – provides a permanent protection of the welder’s respiratory organs
- Problem-free installation in all existing MIG/MAG welding stations
- Small extraction tube diameter – better accessibility
- Aluminum extraction tube – considerable saving of weight
- Handle with extraction control and swivel joint – optimized handling
- A cable assembly with smaller diameters for all types – lower handling weight, optimum flexibility



**Technical data  
(EN 60 974-7)**

**MIG/MAG Fume Extraction Torches “RAB GRIP” (air cooled)**

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>RAB GRIP 15 AK</b>	180	150	60	0.6-1.0
<b>RAB GRIP 24 KD</b>	250	220	60	0.8-1.2
<b>RAB GRIP 25 AK</b>	230	200	60	0.8-1.2
<b>RAB GRIP 36 KD</b>	300	270	60	0.8-1.2

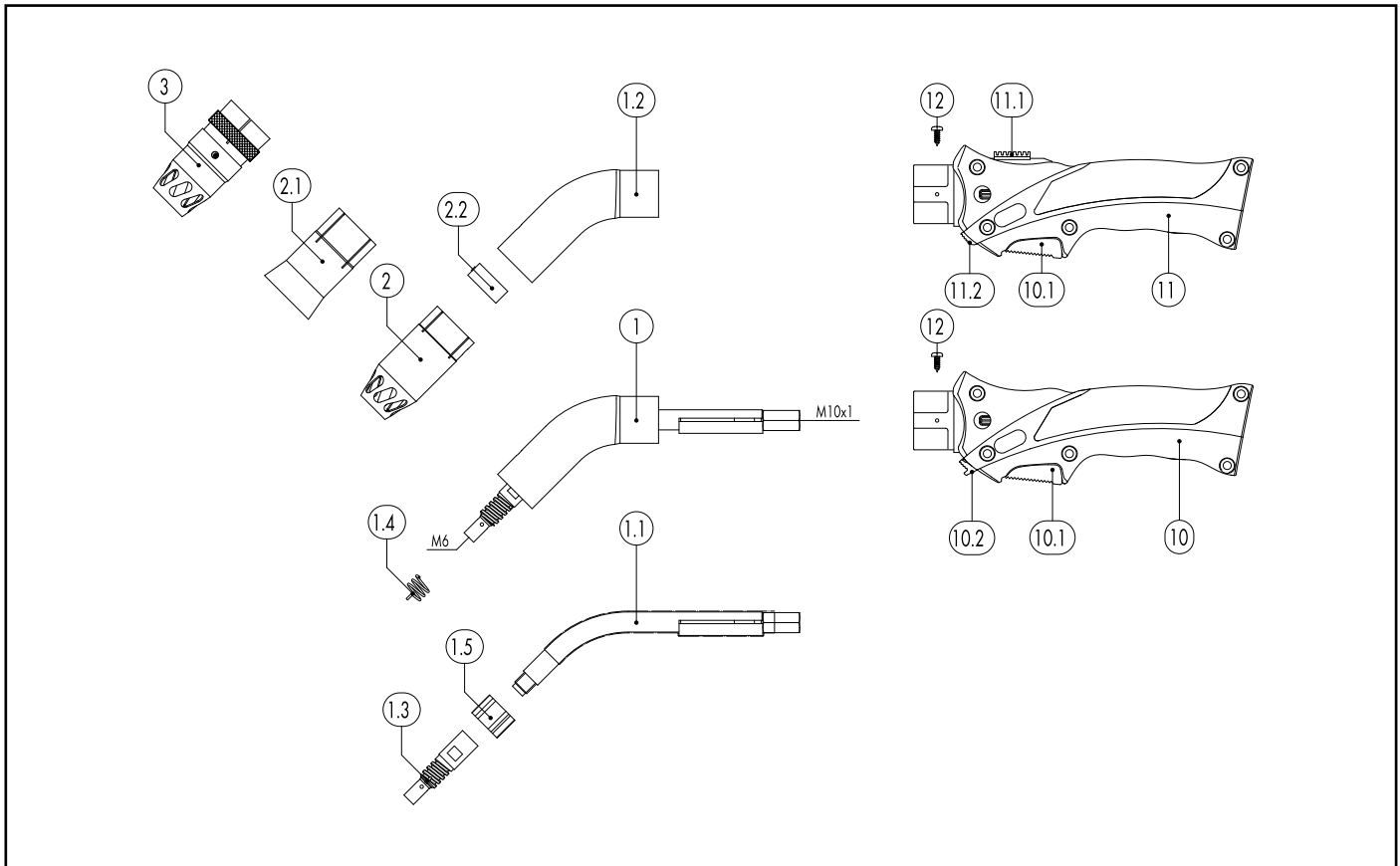
Subject to change without notice.

**MIG/MAG Fume Extraction Torches “RAB GRIP” (liquid cooled)**

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed gases M21		
<b>RAB GRIP 240 D</b>	300	270	100	0.8-1.2
<b>RAB GRIP 501</b>	550	500	100	1.0-1.6
<b>RAB GRIP 501 D</b>	500	450	100	1.0-1.6

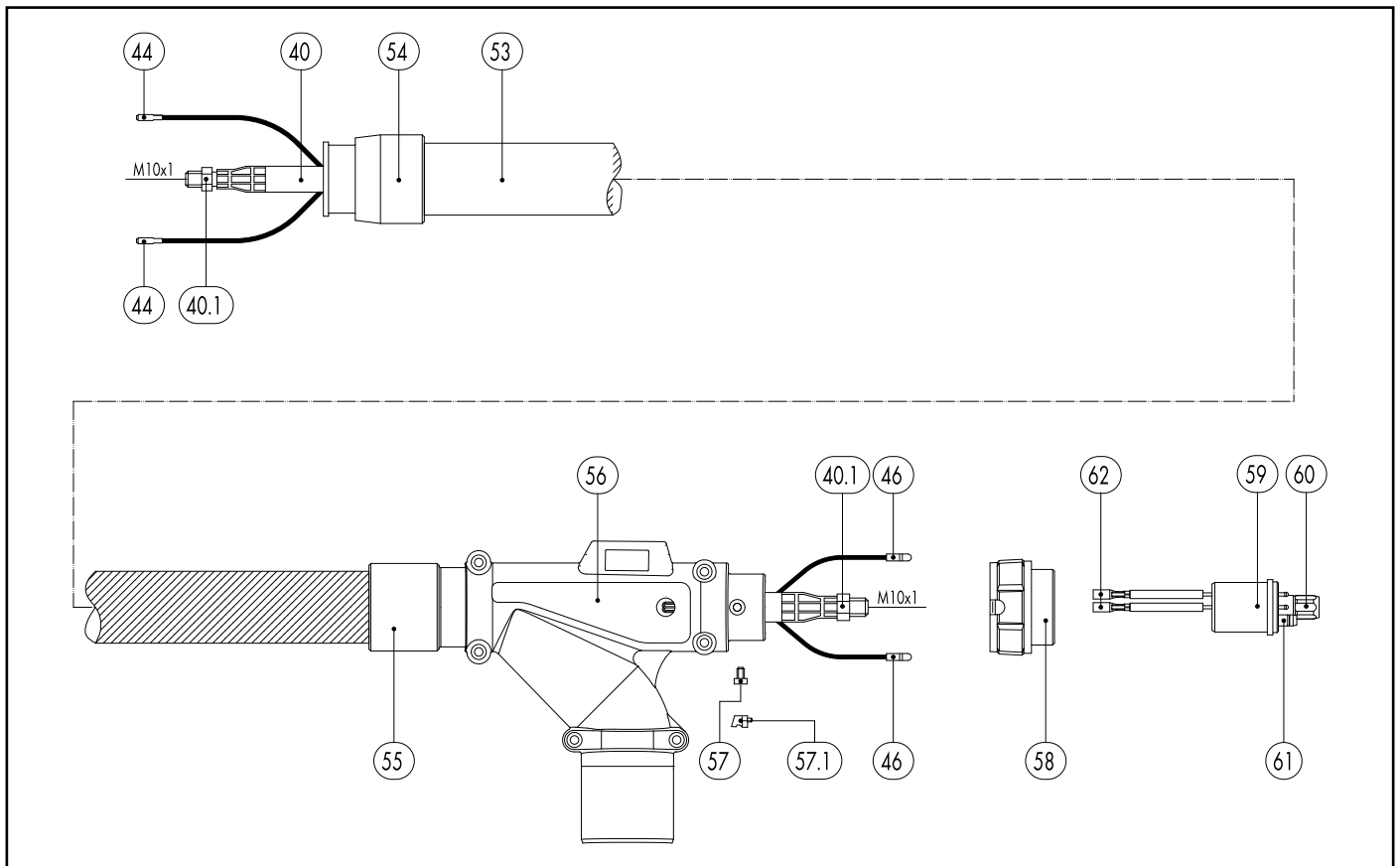
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# MIG/MAG Fume Extraction Torches RAB GRIP 15 AK



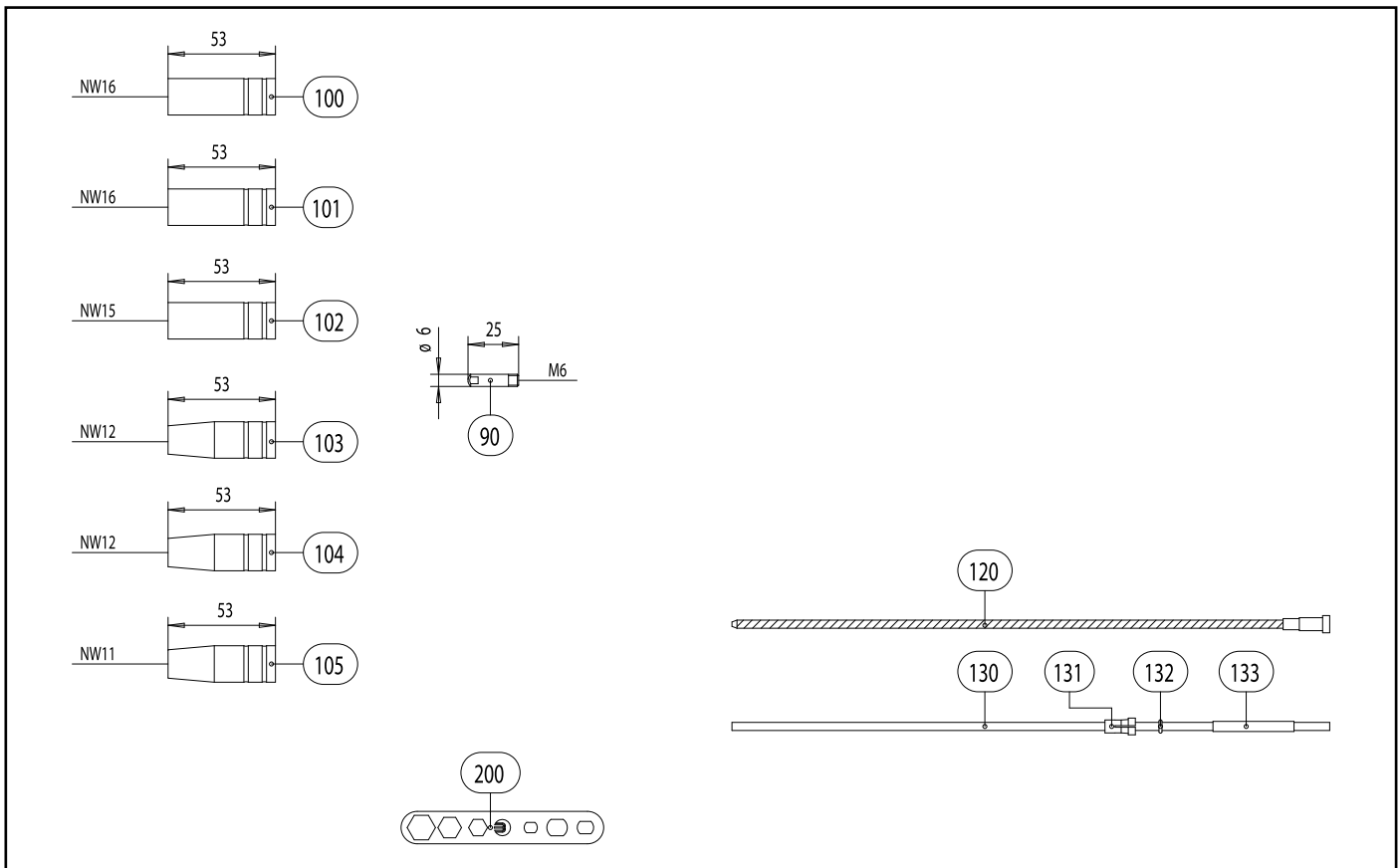
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (Suction nozzle with spring clip, feed air slide below)</b>				
	RAB GRIP 15 AK; central adaptor KZ-2; 3.00 m		602.3001.1	1620
	RAB GRIP 15 AK; central adaptor KZ-2; 4.00 m		602.3002.1	1620
	RAB GRIP 15 AK; central adaptor KZ-2; 5.00 m		602.3003.1	1620
<b>Torch (Suction nozzle with Quicklock, feed air slide on top)</b>				
	RAB GRIP 15 AK Quicklock; central adaptor KZ-2; 3.00 m		602.3008.1	1620
	RAB GRIP 15 AK Quicklock; central adaptor KZ-2; 4.00 m		602.3009.1	1620
	RAB GRIP 15 AK Quicklock; central adaptor KZ-2; 5.00 m		602.3010.1	1620
<b>Swan neck</b>				
1	Swan neck RAB GRIP 15 AK; 45° bent		602.3004.1	1007
1.1	Inner neck; 45° bent		602.2002	1095
1.2	Outer neck		600.3007.1	1095
1.3	Gas nozzle holder AUT 15 AK	10 Pcs.	902.0007	1095
1.4	Nozzle spring	100 Pcs.	002.0058	1095
1.5	Insulating part		602.2003	1095
<b>Fume shroud</b>				
2	Fume shroud with spring clip (type 15)		600.2047.1	1602
2.1	Fume shroud (funnel)		602.0040	1602
2.2	Spring clip		600.2037	1095
3	Fume shroud with Quicklock (type 15)		600.3017.1	1602
<b>Handle RAB GRIP standard</b>				
10	Handle RAB GRIP Standard (feed air slide below)		180.0138.1	1095
10.1	Trigger 2-pole GRIP		185.0101	9010
10.2	Supply air slide RAB GRIP	10 Pcs.	400.1452.10	9010
<b>Handle RAB GRIP ZO</b>				
11	Handle RAB GRIP ZO (feed air slide on top)		180.0144.1	1095

# MIG/MAG Fume Extraction Torches RAB GRIP 15 AK



Pos.	Description	Units	Part-No.	Product-group
11.1	Supply air slide cpl. For RAB GRIP handle ZO		400.1631.1	1095
11.2	Sealing cover	10 Pcs.	400.1496.10	1095
<b>Cable assembly</b>				
40	Bikox® LW power cable, R4 for 3.00 m		160.H025.1	1511
40	Bikox® LW power cable, R4 for 4.00 m		160.H026.1	1511
40	Bikox® LW power cable, R4 for 5.00 m		160.H027.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
53	Hose 33 black LW 32 R	30 m	109.0043	4050
54	Connection sleeve RAB GRIP 15 / 24 / 25 / 36		600.2008	1095
55	Connector cpl. LW 32 for RAB GRIP		600.3005.1	1095
56	Connection housing cpl. For RAB GRIP		501.2591.1	1095
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
90	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
90	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030

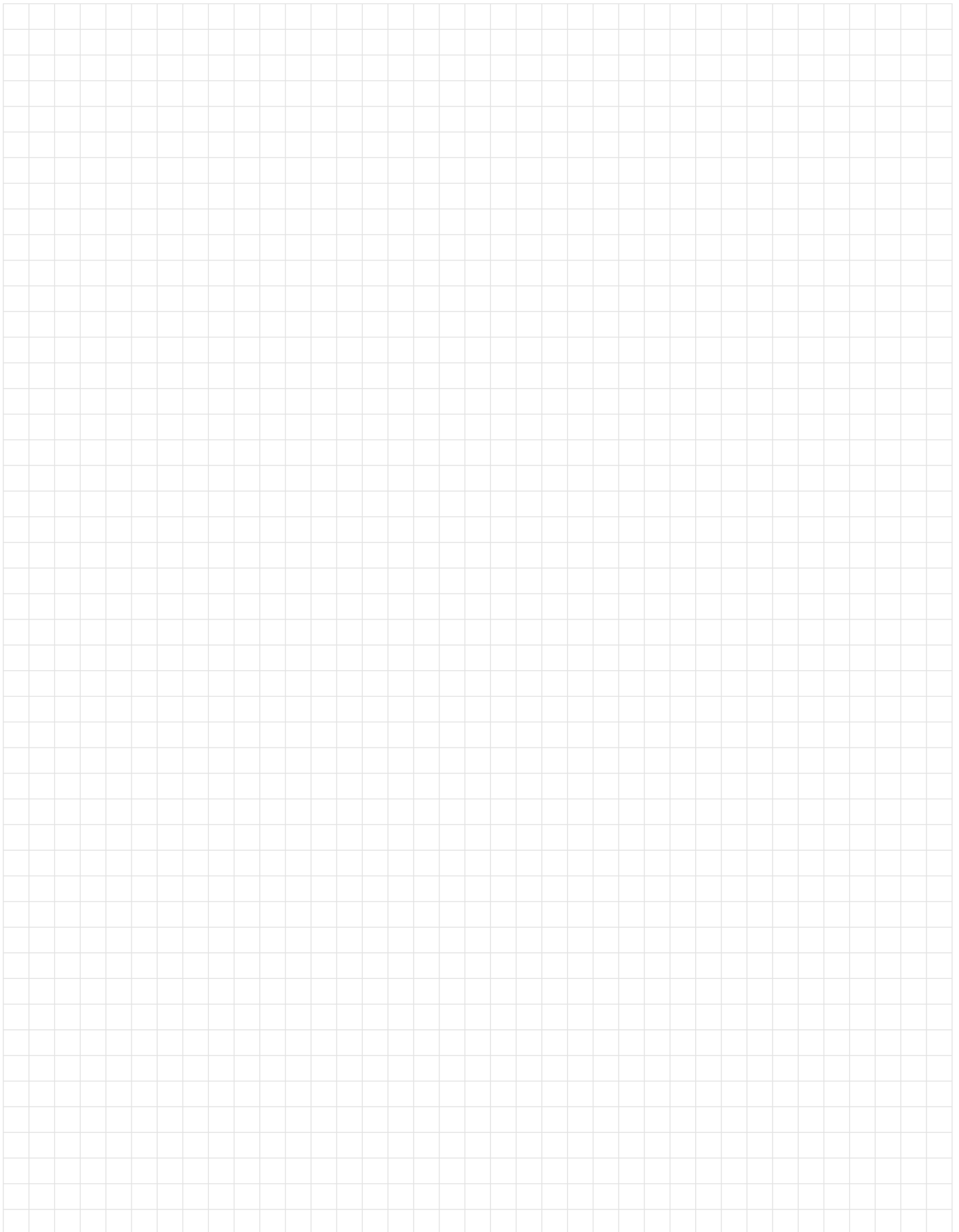
# MIG/MAG Fume Extraction Torches RAB GRIP 15 AK



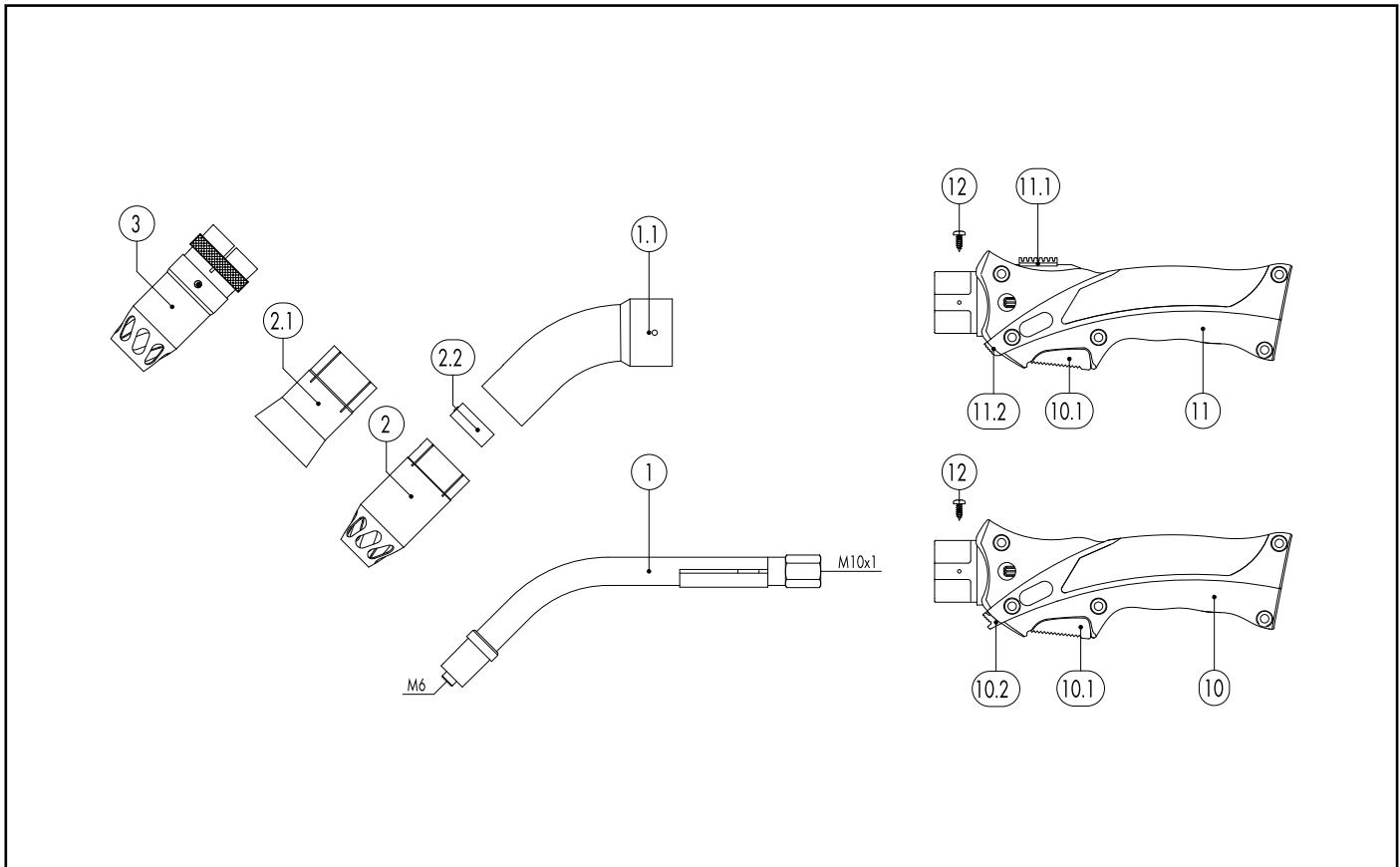
Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle; cylindrical; ND Ø 16.0	10 Pcs.	145.0041	1036
101	Gas nozzle; cylindrical with extended insulation; ND Ø 16.0	10 Pcs.	145.0067	1036
102	Gas nozzle; cylindrical; heavy duty; ND Ø 15.0	10 Pcs.	145.0072	1036
103	Gas nozzle; conical; ND Ø 12.0	10 Pcs.	145.0075	1036
104	Gas nozzle; conical; with extended insulation; ND Ø 12.0	10 Pcs.	145.0107	1036
105	Gas nozzle; conical; heavy duty; ND Ø 11.0	10 Pcs.	145.0116	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard		191.0001	9010



# Notes

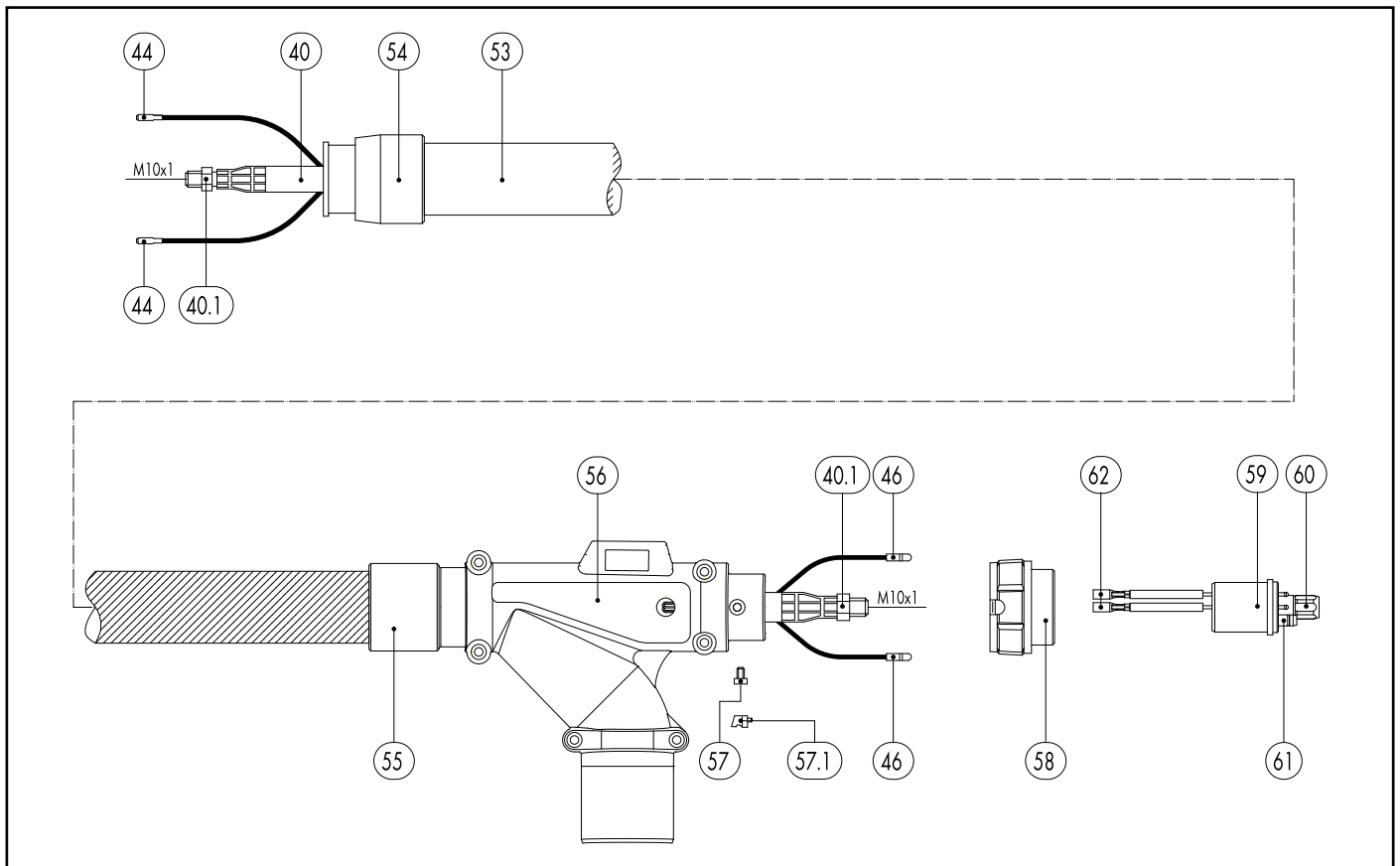


# MIG/MAG Fume Extraction Torches RAB GRIP 24 KD



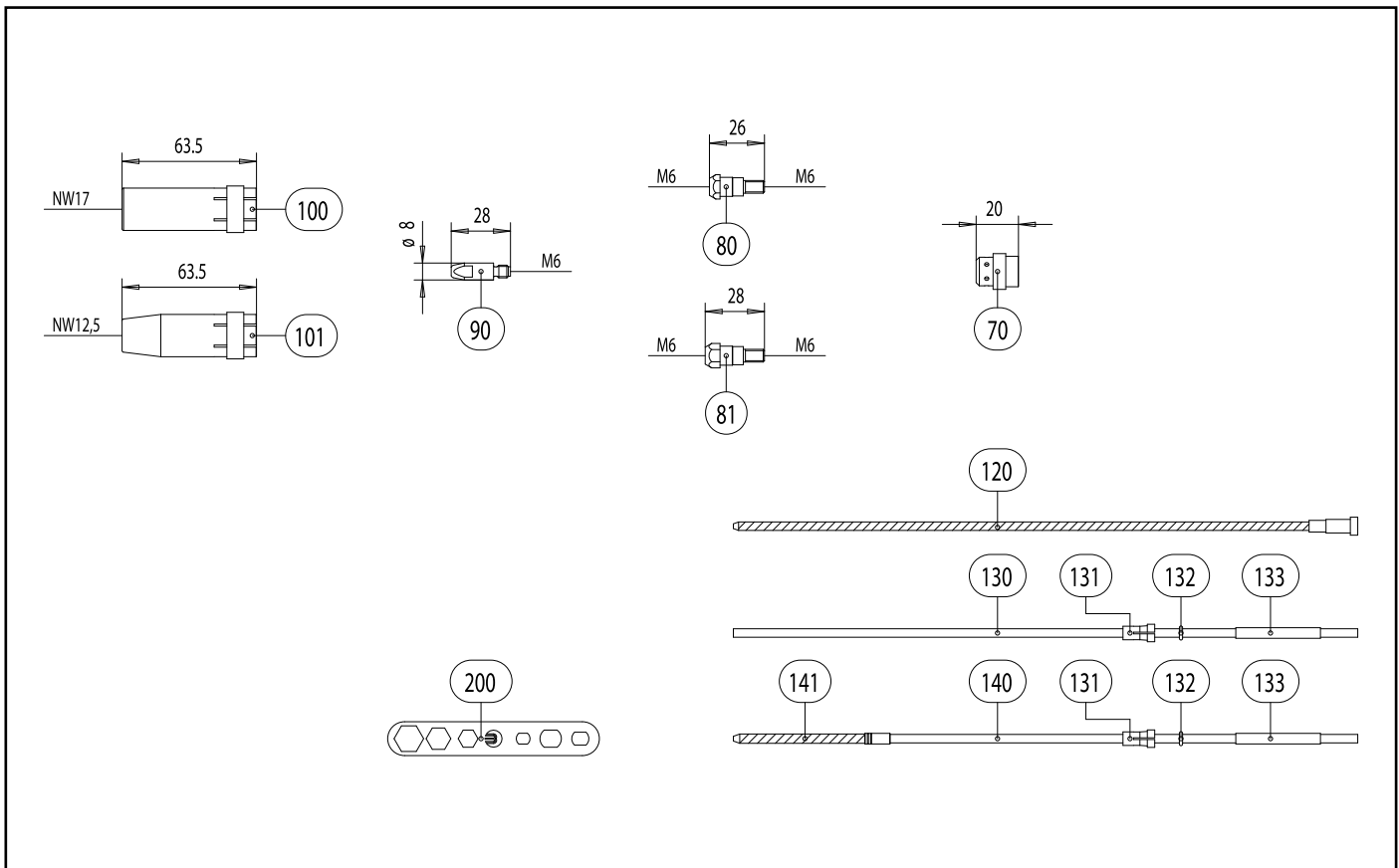
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (Suction nozzle with spring clip, feed air slide below)</b>				
	RAB GRIP 24 KD; central adaptor KZ-2; 3.00 m		612.3001.1	1620
	RAB GRIP 24 KD; central adaptor KZ-2; 4.00 m		612.3002.1	1620
	RAB GRIP 24 KD; central adaptor KZ-2; 5.00 m		612.3003.1	1620
<b>Torch (Suction nozzle with Quicklock, feed air slide on top)</b>				
	RAB GRIP 24 KD Quicklock; central adaptor KZ-2; 3.00 m		612.3007.1	1620
	RAB GRIP 24 KD Quicklock; central adaptor KZ-2; 4.00 m		612.3008.1	1620
	RAB GRIP 24 KD Quicklock; central adaptor KZ-2; 5.00 m		612.3009.1	1620
<b>Swan neck</b>				
1	Swan neck RAB GRIP 24 KD		612.2001	1007
1.1	Outer neck		600.2002	1095
<b>Fume shroud</b>				
2	Fume shroud with spring clip (type 24, 240)		600.2045.1	1602
2.1	Fume shroud (funnel)		612.0023	1602
2.2	Spring clip		600.2028	1095
3	Fume shroud with Quicklock (type 24, 240)		600.3018.1	1602
<b>Handle RAB GRIP standard</b>				
10	Handle RAB GRIP Standard (feed air slide below)		180.0138.1	1095
10.1	Trigger 2-pole GRIP		185.0101	9010
10.2	Supply air slide RAB GRIP	10 Pcs.	400.1452.10	9010
<b>Handle RAB GRIP ZO</b>				
11	Handle RAB GRIP ZO (feed air slide on top)		180.0144.1	1095
11.1	Supply air slide cpl. For RAB GRIP handle ZO		400.1631.1	1095
11.2	Sealing cover	10 Pcs.	400.1496.10	1095
<b>Cable assembly</b>				
40	Bikox® LW power cable, R6 for 3.00 m		160.H039.1	1511

# MIG/MAG Fume Extraction Torches RAB GRIP 24 KD



Pos.	Description	Units	Part-No.	Product-group
40	Bikox® LW power cable, R6 for 4.00 m		160.H040.1	1511
40	Bikox® LW power cable, R6 for 5.00 m		160.H041.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
53	Hose 33 black LW 32 R	30 m	109.0043	4050
54	Connection sleeve RAB GRIP 15 / 24 / 25 / 36		600.2008	1095
55	Connector cpl. LW 32 for RAB GRIP		600.3005.1	1095
56	Connection housing cpl. For RAB GRIP		501.2591.1	1095
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
	<b>Wear parts</b>			
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031

# MIG/MAG Fume Extraction Torches RAB GRIP 24 KD

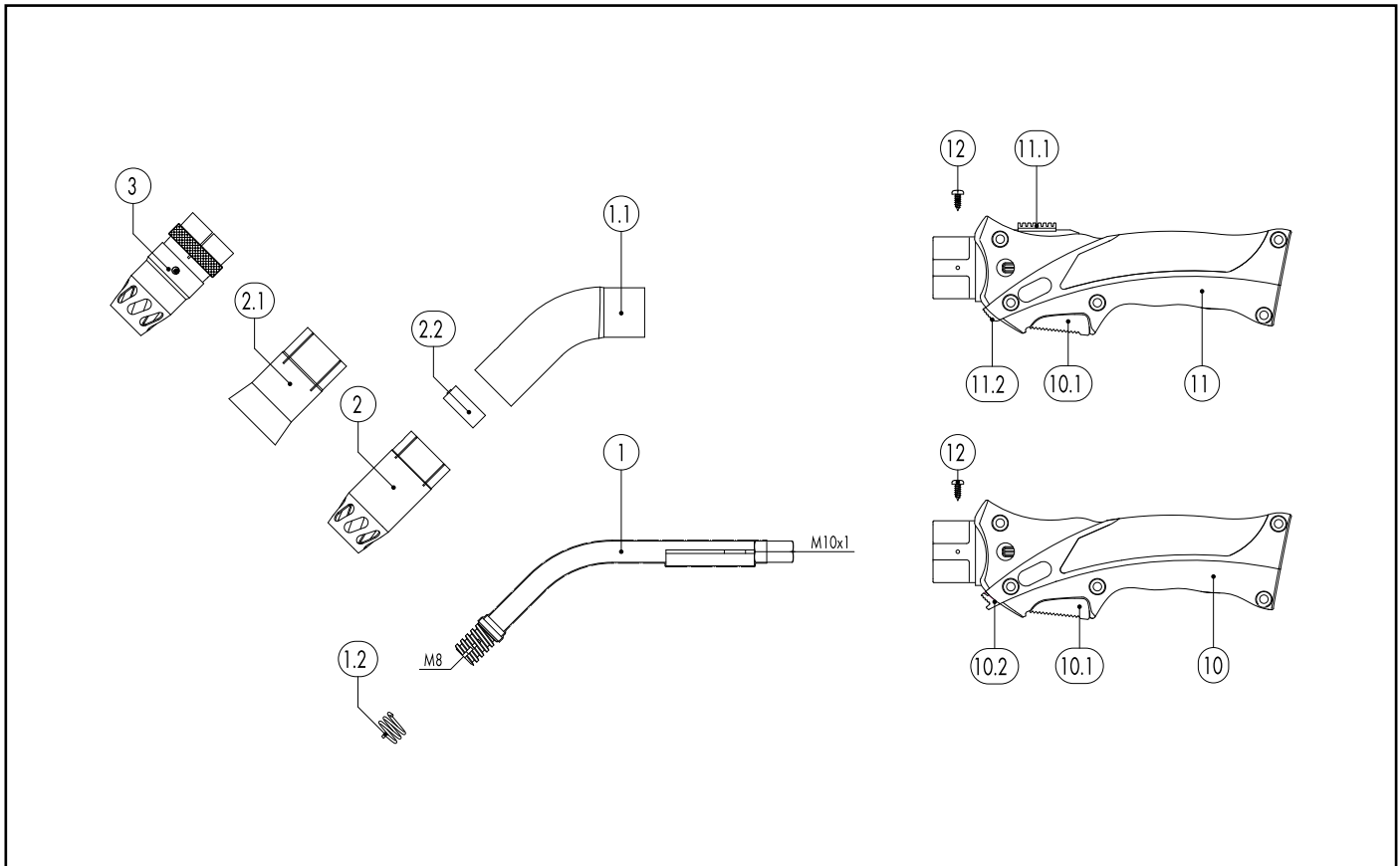


## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034

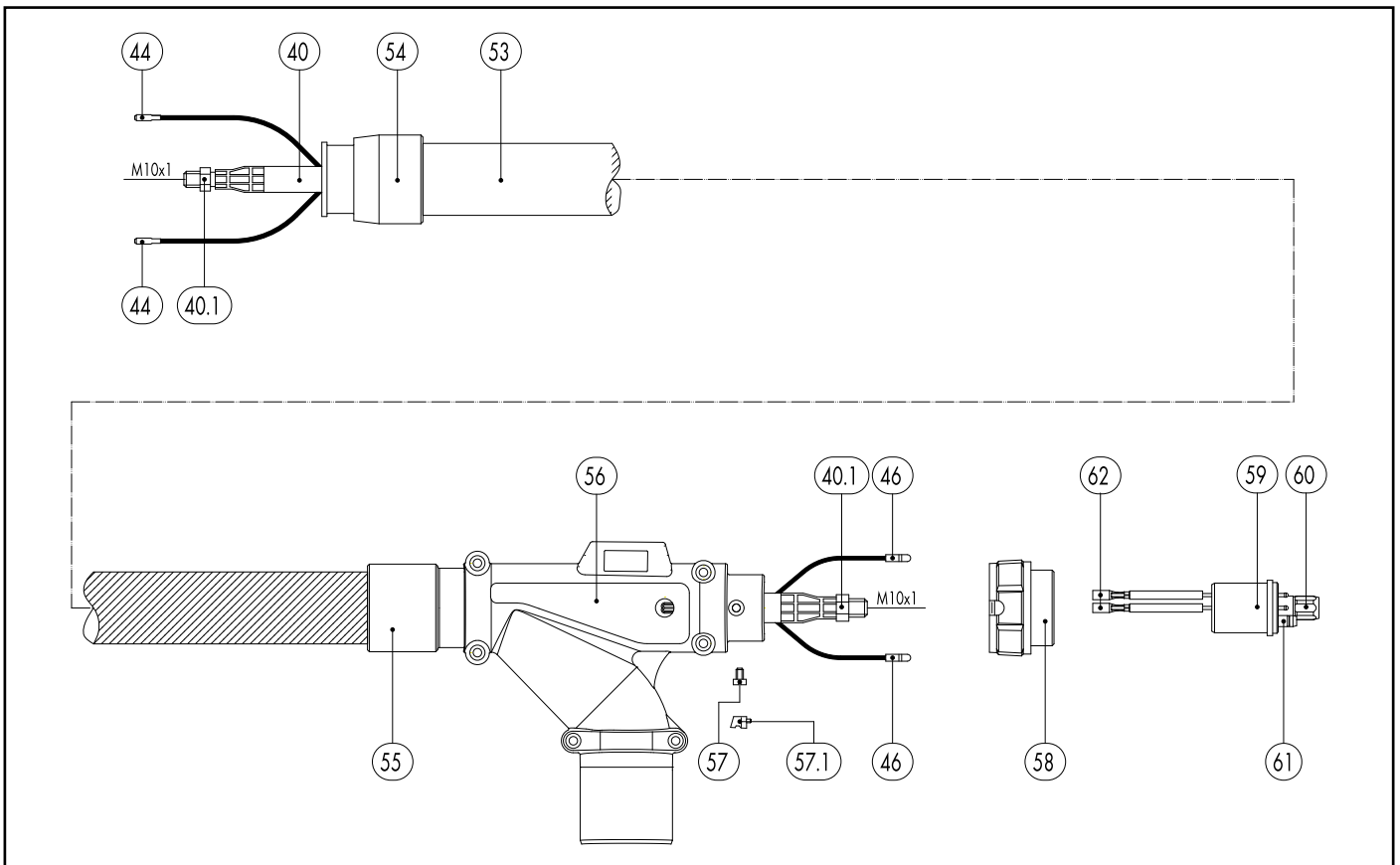


# MIG/MAG Fume Extraction Torches RAB GRIP 25 AK



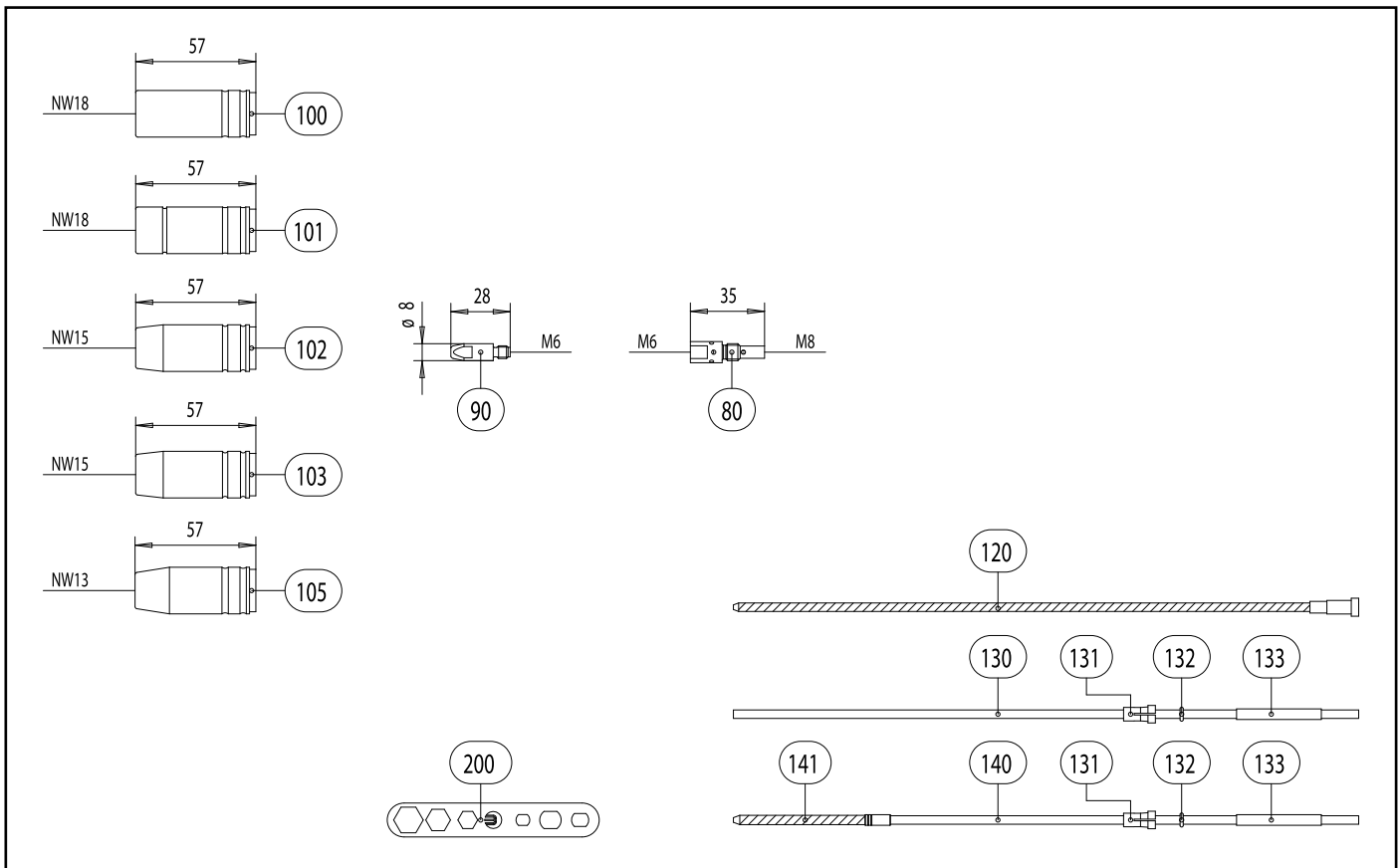
Pos.	Description	Units	Part-No.	Product-group
<b>Torch (Suction nozzle with spring clip, feed air slide below)</b>				
	RAB GRIP 25 AK; central adaptor KZ-2; 3.00 m		604.3001.1	1620
	RAB GRIP 25 AK; central adaptor KZ-2; 4.00 m		604.3002.1	1620
	RAB GRIP 25 AK; central adaptor KZ-2; 5.00 m		604.3003.1	1620
<b>Torch (Suction nozzle with Quicklock, feed air slide on top)</b>				
	RAB GRIP 25 AK Quicklock; central adaptor KZ-2; 3.00 m		604.3007.1	1620
	RAB GRIP 25 AK Quicklock; central adaptor KZ-2; 4.00 m		604.3008.1	1620
	RAB GRIP 25 AK Quicklock; central adaptor KZ-2; 5.00 m		604.3009.1	1620
<b>Swan neck</b>				
1	Swan neck RAB GRIP 25 AK		604.2001	1007
1.1	Outer neck		600.3007.1	1095
<b>Fume shroud</b>				
2	Fume shroud with spring clip (type 25)		600.2046.1	1602
2.1	Fume shroud (funnel)		602.0040	1602
2.2	Spring clip		600.2037	1095
3	Fume shroud with Quicklock (type 25)		600.3019.1	1602
<b>Handle RAB GRIP standard</b>				
10	Handle RAB GRIP Standard (feed air slide below)		180.0138.1	1095
10.1	Trigger 2-pole GRIP		185.0101	9010
10.2	Supply air slide RAB GRIP	10 Pcs.	400.1452.10	9010
<b>Handle RAB GRIP ZO</b>				
11	Handle RAB GRIP ZO (feed air slide on top)		180.0144.1	1095
11.1	Supply air slide cpl. For RAB GRIP handle ZO		400.1631.1	1095
11.2	Sealing cover	10 Pcs.	400.1496.10	1095
<b>Cable assembly</b>				
40	Bikox® LW power cable, R5 for 3.00 m		160.H032.1	1511

# MIG/MAG Fume Extraction Torches RAB GRIP 25 AK



Pos.	Description	Units	Part-No.	Product-group
40	Bikox® LW power cable, R5 for 4.00 m		160.H033.1	1511
40	Bikox® LW power cable, R5 for 5.00 m		160.H034.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
53	Hose 33 black LW 32 R	30 m	109.0043	4050
54	Connection sleeve RAB GRIP 15 / 24 / 25 / 36		600.2008	1095
55	Connector cpl. LW 32 for RAB GRIP		600.3005.1	1095
56	Connection housing cpl. For RAB GRIP		501.2591.1	1095
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
80	Contact tip holder M6; 35.0 mm	10 Pcs.	142.0001	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030

# MIG/MAG Fume Extraction Torches RAB GRIP 25 AK



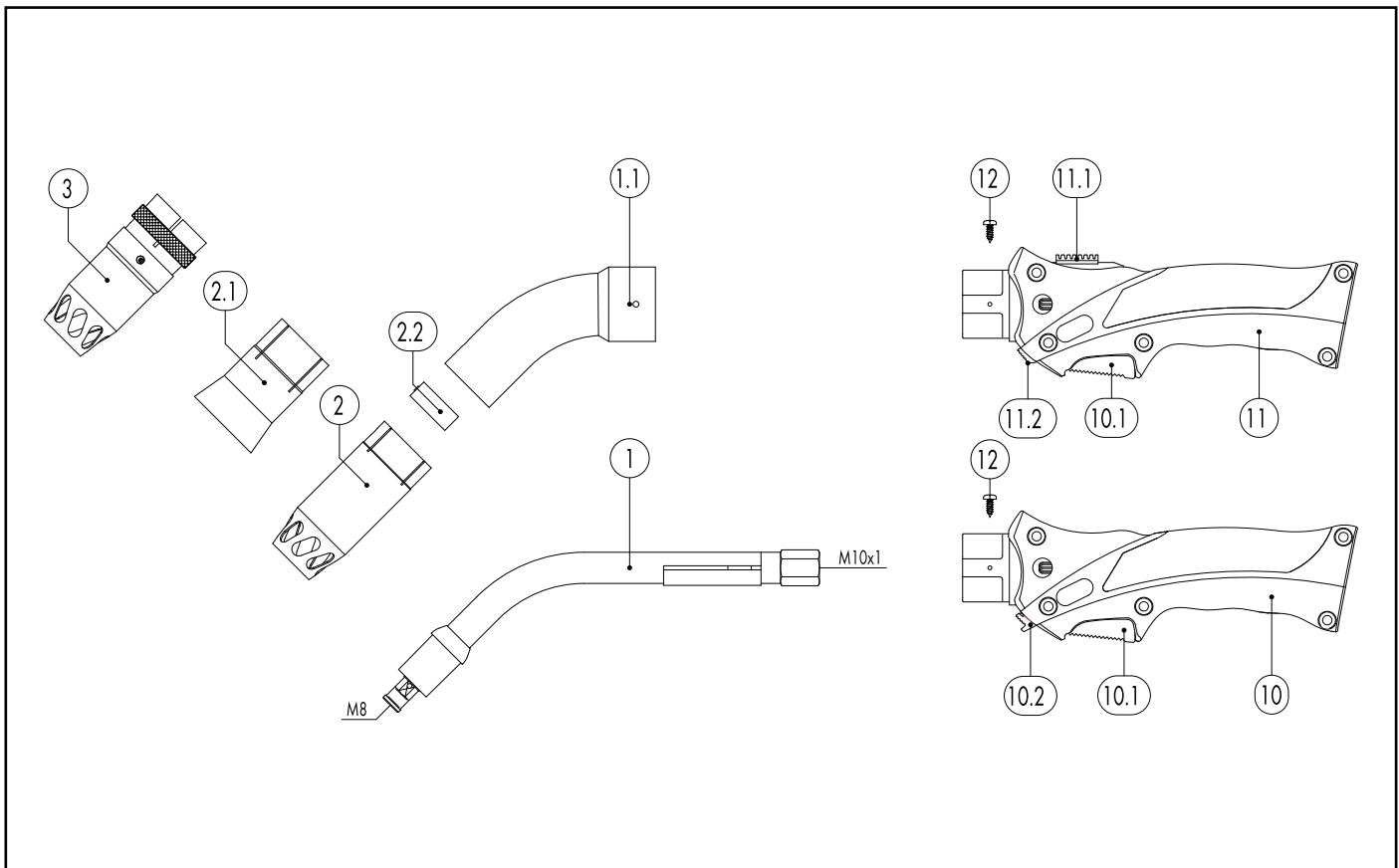
## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 E-Cu; $\varnothing$ 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; $\varnothing$ 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; $\varnothing$ 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; $\varnothing$ 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND $\varnothing$ 18.0	10 Pcs.	145.0042	1036
101	Gas nozzle; cylindrical with extended insulation; ND $\varnothing$ 18.0	10 Pcs.	145.0061	1036
102	Gas nozzle; conical; ND $\varnothing$ 15.0	10 Pcs.	145.0076	1036
103	Gas nozzle; conical; with extended insulation; ND $\varnothing$ 15.0	10 Pcs.	145.0100	1036
105	Gas nozzle; tapered, with extended insulation; ND $\varnothing$ 13.0	10 Pcs.	145.0432	1036
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire $\varnothing$ 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire $\varnothing$ 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire $\varnothing$ 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 4.00 m		127.0007	1034



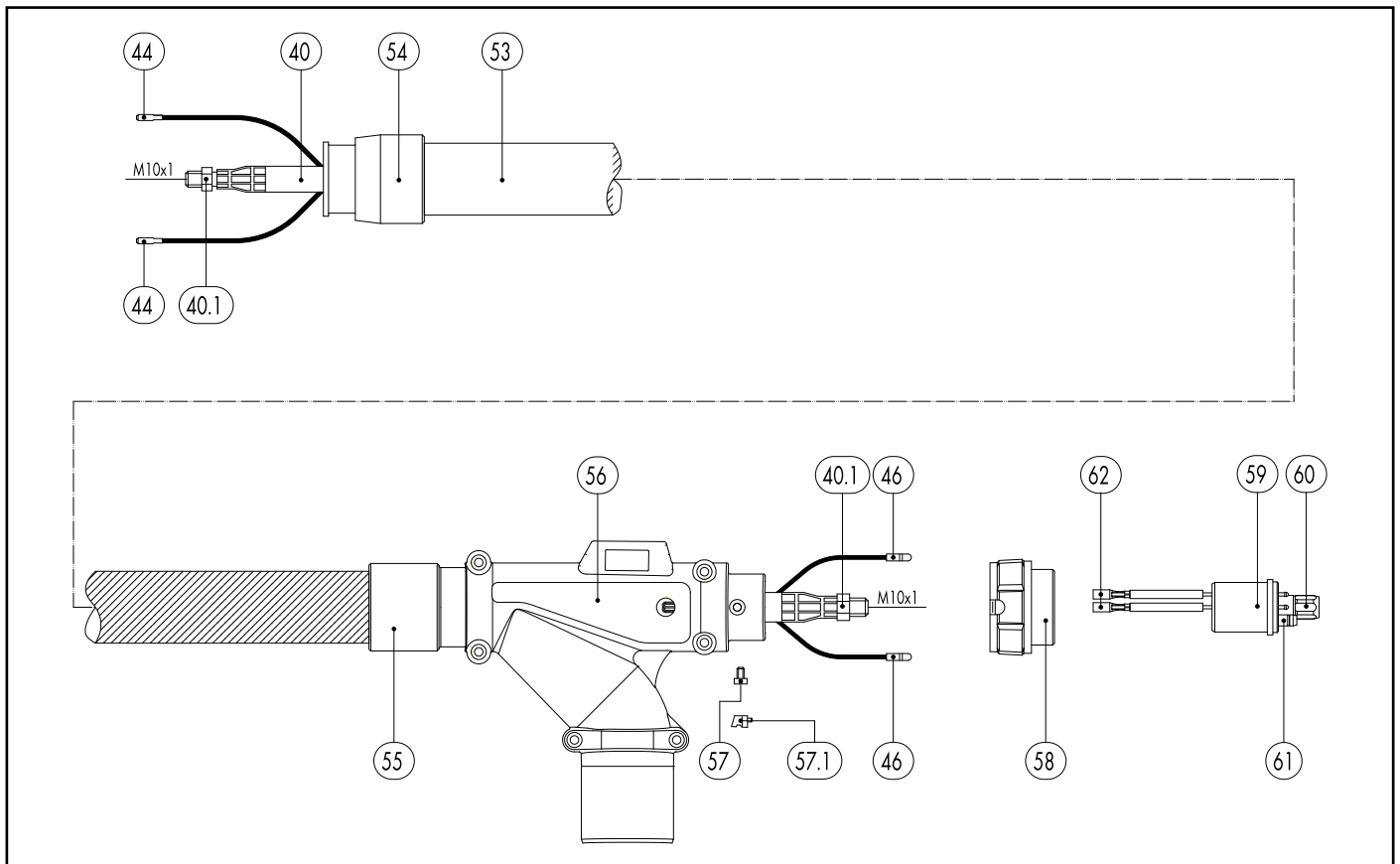


# MIG/MAG Fume Extraction Torches RAB GRIP 36 KD



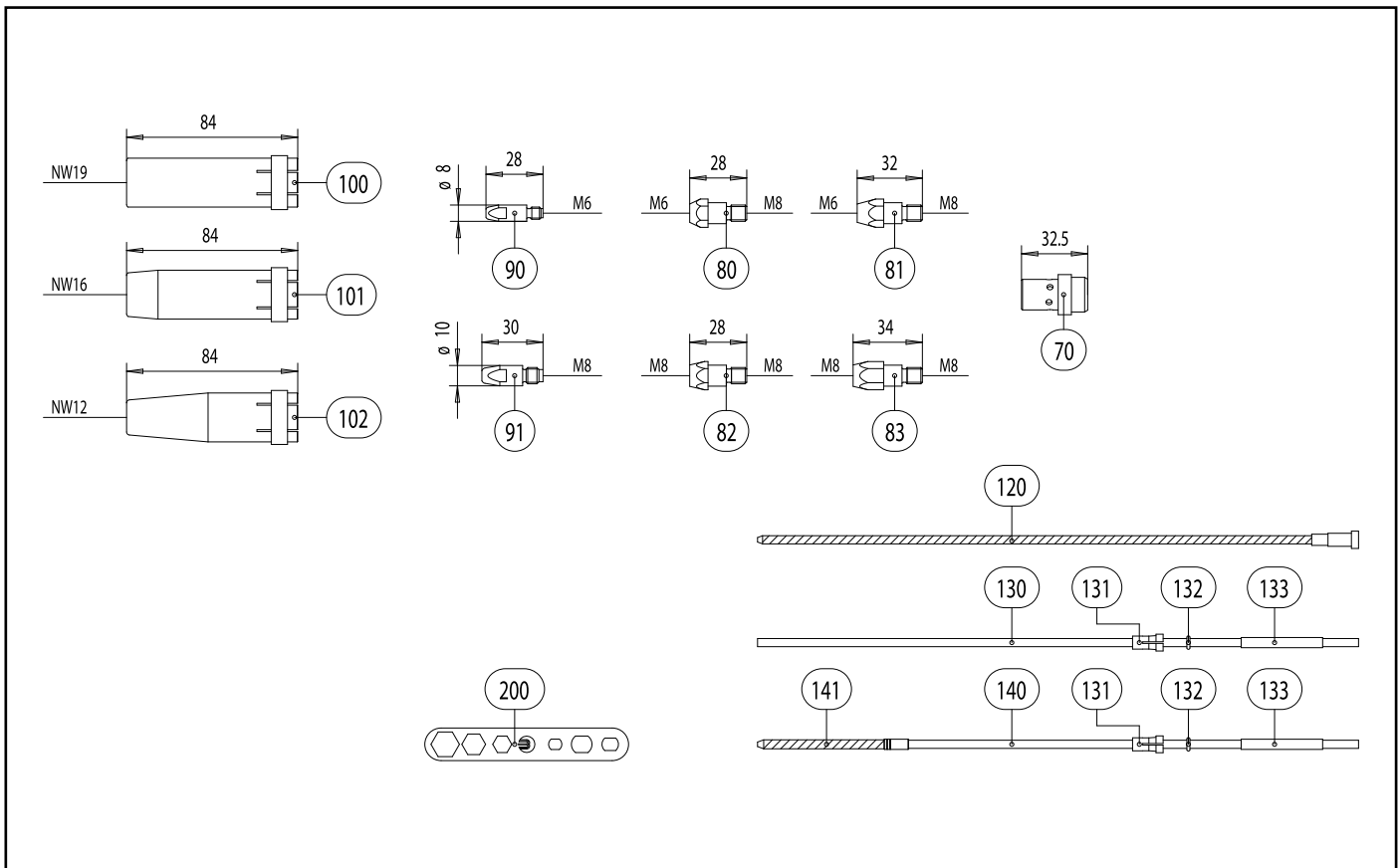
Pos.	Description	Units	Part-No.	Product-group
	<b>Torch (Suction nozzle with spring clip, feed air slide below)</b>			
	RAB GRIP 36 KD; central adaptor KZ-2; 3.00 m		614.3001.1	1620
	RAB GRIP 36 KD; central adaptor KZ-2; 4.00 m		614.3002.1	1620
	RAB GRIP 36 KD; central adaptor KZ-2; 5.00 m		614.3003.1	1620
	<b>Torch (Suction nozzle with Quicklock, feed air slide on top)</b>			
	RAB GRIP 36 KD Quicklock; central adaptor KZ-2; 3.00 m		614.3007.1	1620
	RAB GRIP 36 KD Quicklock; central adaptor KZ-2; 4.00 m		614.3008.1	1620
	RAB GRIP 36 KD Quicklock; central adaptor KZ-2; 5.00 m		614.3009.1	1620
	<b>Swan neck</b>			
1	Swan neck RAB Plus 36 KD		614.2001	1014
1.1	Outer neck		600.2002	1095
	<b>Fume shroud</b>			
2	Fume shroud with spring clip (type 36, 501)		600.2044.1	1602
2.1	Fume shroud (funnel)		602.0040	1602
2.2	Spring clip		600.2037	1095
3	Fume shroud with Quicklock (type 36, 501)		600.3009.1	1602
	<b>Handle RAB GRIP standard</b>			
10	Handle RAB GRIP Standard (feed air slide below)		180.0138.1	1095
10.1	Trigger 2-pole GRIP		185.0101	9010
10.2	Supply air slide RAB GRIP	10 Pcs.	400.1452.10	9010
	<b>Handle RAB GRIP ZO</b>			
11	Handle RAB GRIP ZO (feed air slide on top)		180.0144.1	1095
11.1	Supply air slide cpl. For RAB GRIP handle ZO		400.1631.1	1095
11.2	Sealing cover	10 Pcs.	400.1496.10	1095
	<b>Cable assembly</b>			
40	Bikox® LW power cable, R7 for 3.00 m		160.H046.1	1511

# MIG/MAG Fume Extraction Torches RAB GRIP 36 KD



Pos.	Description	Units	Part-No.	Product-group
40	Bikox® LW power cable, R7 for 4.00 m		160.H047.1	1511
40	Bikox® LW power cable, R7 for 5.00 m		160.H048.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
53	Hose 33 black LW 32 R	30 m	109.0043	4050
54	Connection sleeve RAB GRIP 15 / 24 / 25 / 36		600.2008	1095
55	Connector cpl. LW 32 for RAB GRIP		600.3005.1	1095
56	Connection housing cpl. For RAB GRIP		501.2591.1	1095
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
	<b>Wear parts</b>			
70	Gas diffuser, white	10 Pcs.	014.0261	1032
70	Gas diffuser, long life	10 Pcs.	014.0026	1032
70	Gas diffuser, ceramic	10 Pcs.	014.0023	1032
80	Contact tip holder M6; 28.0 mm (short)	10 Pcs.	142.0005	1033
81	Contact tip holder M6; 32.0 mm (long)	10 Pcs.	142.0011	1033
82	Contact tip holder M8; 28.0 mm (short)	10 Pcs.	142.0020	1033
83	Contact tip holder M8; 34.0 mm (long)	10 Pcs.	142.0024	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030

# MIG/MAG Fume Extraction Torches RAB GRIP 36 KD

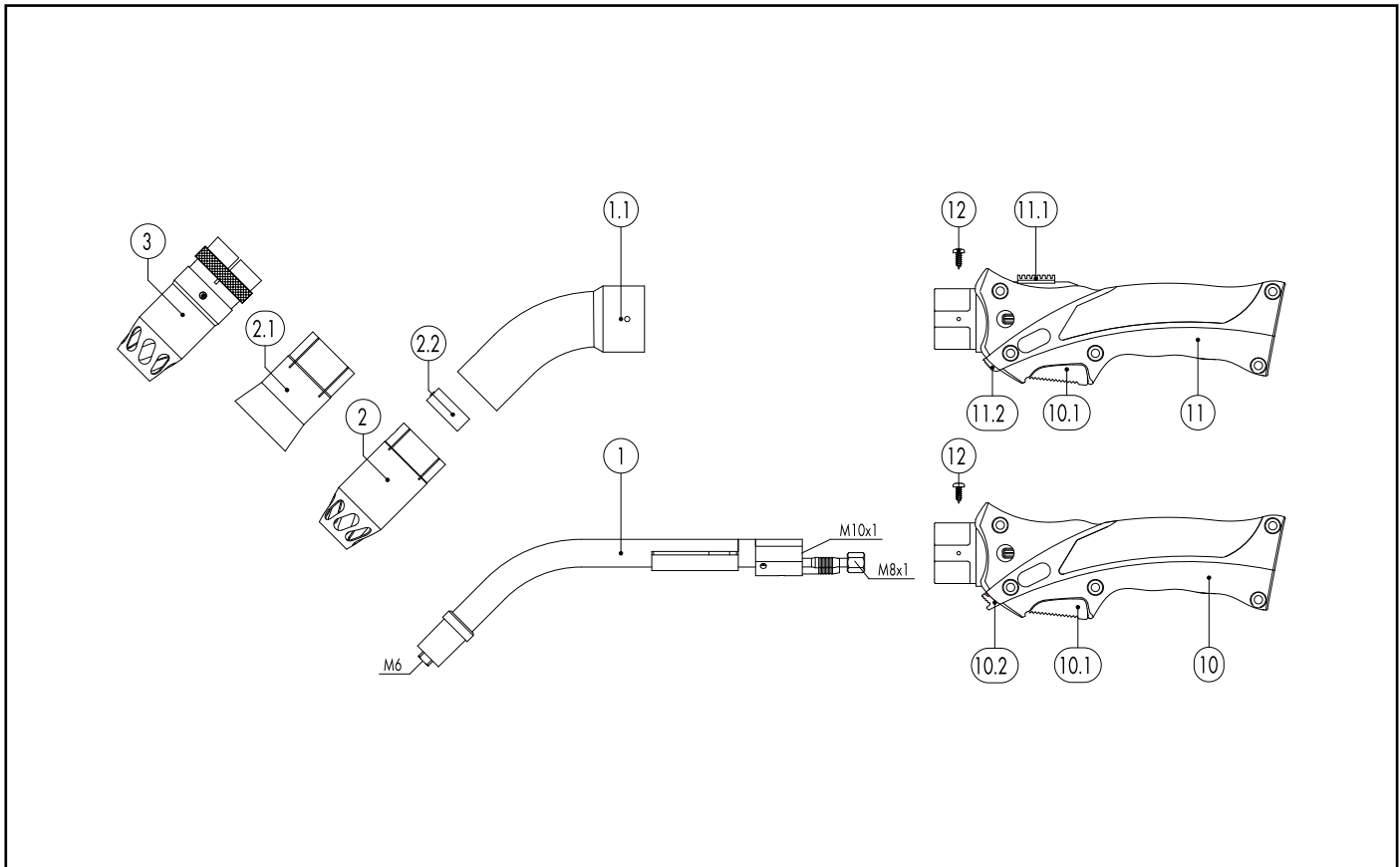


## Pos. Description

Pos.	Description	Units	Part-No.	Product-group
90	Contact tip M6 E-Cu; $\varnothing$ 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; $\varnothing$ 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; $\varnothing$ 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; $\varnothing$ 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; $\varnothing$ 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; $\varnothing$ 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; $\varnothing$ 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; $\varnothing$ 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; $\varnothing$ 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; $\varnothing$ 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; $\varnothing$ 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; $\varnothing$ 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; $\varnothing$ 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; $\varnothing$ 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; $\varnothing$ 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; $\varnothing$ 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; $\varnothing$ 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; $\varnothing$ 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; $\varnothing$ 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; $\varnothing$ 1.2 (10x30)	10 Pcs.	147.0445	1031
100	Gas nozzle; cylindrical; ND $\varnothing$ 19.0	10 Pcs.	145.0045	1037
101	Gas nozzle; conical; ND $\varnothing$ 16.0	10 Pcs.	145.0078	1037
102	Gas nozzle; tapered; ND $\varnothing$ 12.0	10 Pcs.	145.0126	1037
120	Guide spiral liner insulated; 1.5/4.5; blue; for wire $\varnothing$ 0.6-0.8; for 3.00 m		124.0011	1034

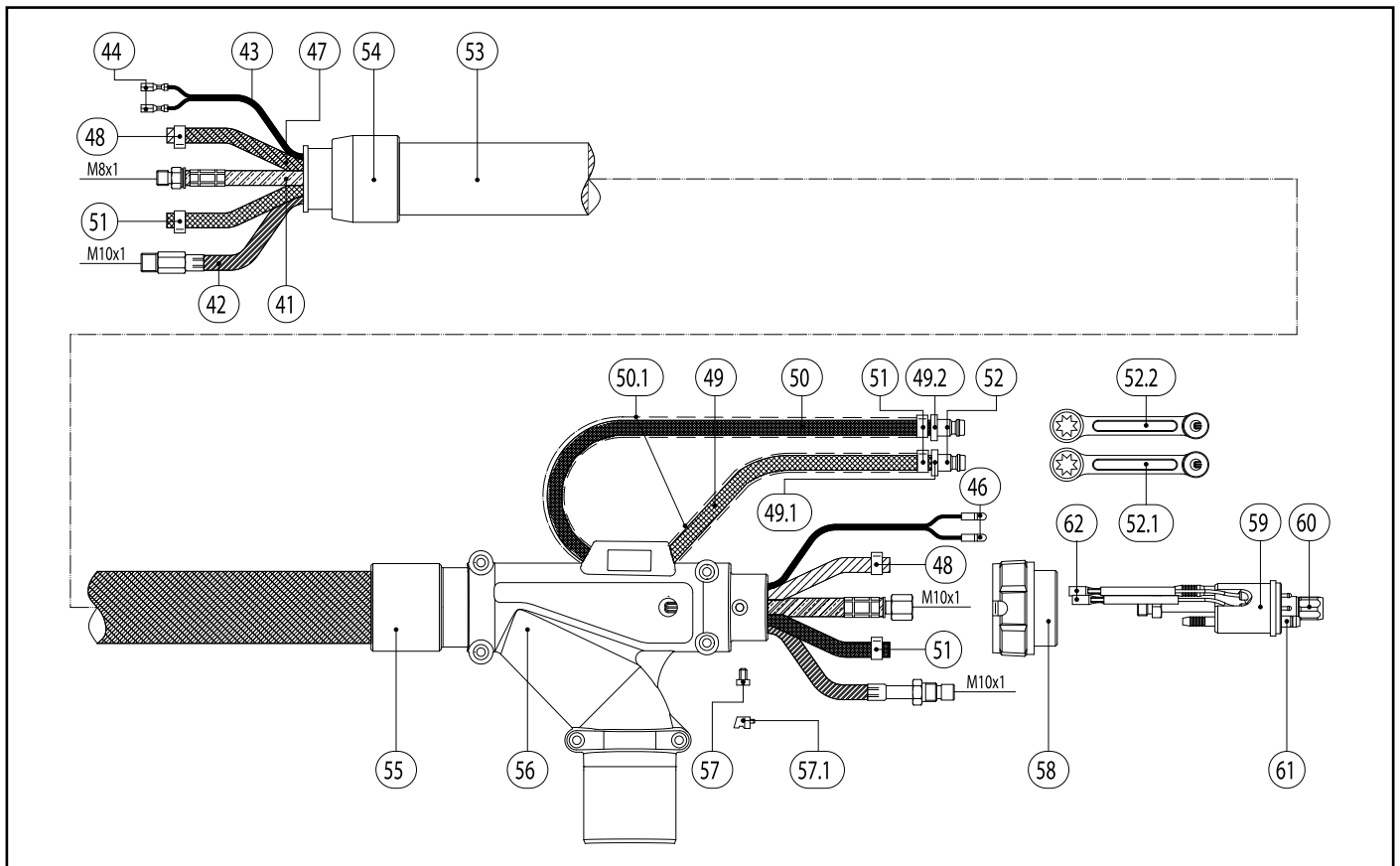


# MIG/MAG Fume Extraction Torches RAB GRIP 240 D



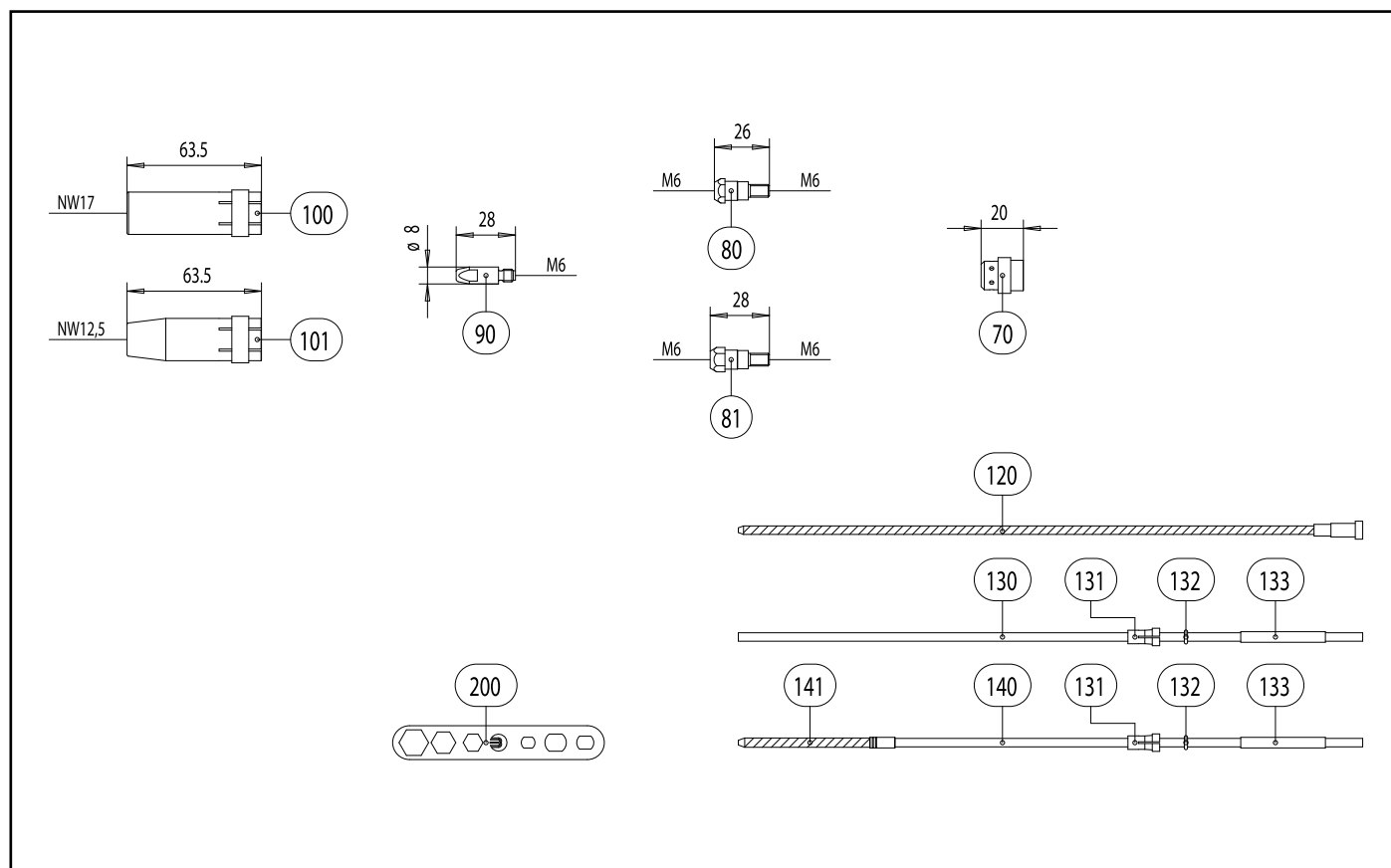
Pos.	Description	Units	Part-No.	Product-group
	<b>Torch (Suction nozzle with spring clip, feed air slide below)</b>			
	RAB GRIP 240 D; central adaptor WZ-2; 3.00 m		623.3003.1	1620
	RAB GRIP 240 D; central adaptor WZ-2; 4.00 m		623.3004.1	1620
	RAB GRIP 240 D; central adaptor WZ-2; 5.00 m		623.3005.1	1620
	<b>Torch (Suction nozzle with Quicklock, feed air slide on top)</b>			
	RAB GRIP 240 D Quicklock; central adaptor WZ-2; 3.00 m		623.3011.1	1620
	RAB GRIP 240 D Quicklock; central adaptor WZ-2; 4.00 m		623.3012.1	1620
	RAB GRIP 240 D Quicklock; central adaptor WZ-2; 5.00 m		623.3013.1	1620
	<b>Swan neck</b>			
1	Swan neck RAB GRIP 240 D; 45° bent		623.3001.1	1009
1.1	Outer neck		600.2002	1095
	<b>Fume shroud</b>			
2	Fume shroud with spring clip (type 24, 240)		600.2045.1	1602
2.1	Fume shroud (funnel)		612.0023	1602
2.2	Spring clip		600.2028	1095
3	Fume shroud with Quicklock (type 24, 240)		600.3018.1	1602
	<b>Handle RAB GRIP standard</b>			
10	Handle RAB GRIP Standard (feed air slide below)		180.0138.1	1095
10.1	Trigger 2-pole GRIP		185.0101	9010
10.2	Supply air slide RAB GRIP	10 Pcs.	400.1452.10	9010
	<b>Handle RAB GRIP ZO</b>			
11	Handle RAB GRIP ZO (feed air slide on top)		180.0144.1	1095
11.1	Supply air slide cpl. For RAB GRIP handle ZO		400.1631.1	1095
11.2	Sealing cover	10 Pcs.	400.1496.10	1095
	<b>Cable assembly</b>			
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 3.00 m		115.0581	1012

# MIG/MAG Fume Extraction Torches RAB GRIP 240 D



Pos.	Description	Units	Part-No.	Product-group
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 4.00 m		115.0582	1012
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 5.00 m		115.0583	1012
42	Wire conduit RAB GRIP cpl. For 5.00 m		154.0002	1012
42	Wire conduit RAB GRIP cpl. For 3.00 m		154.0003	1012
42	Wire conduit RAB GRIP cpl. For 4.00 m		154.0004	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0114	1095
	Hose 46 red Ø 5.5x1.5	100 m	109.0056	4050
50.1	Protective tube NW 9.9	10 Pcs.	110.0053.10	1095
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Hose 34 black LW 38 R	30 m	109.0044	4050
54	Connection sleeve RAB GRIP 240 / 501		600.0080	1095
55	Connector cpl. LW 38 for RAB GRIP		600.3006.1	1095
56	Connection housing cpl. For RAB GRIP		501.2591.1	1095
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010

# MIG/MAG Fume Extraction Torches RAB GRIP 240 D



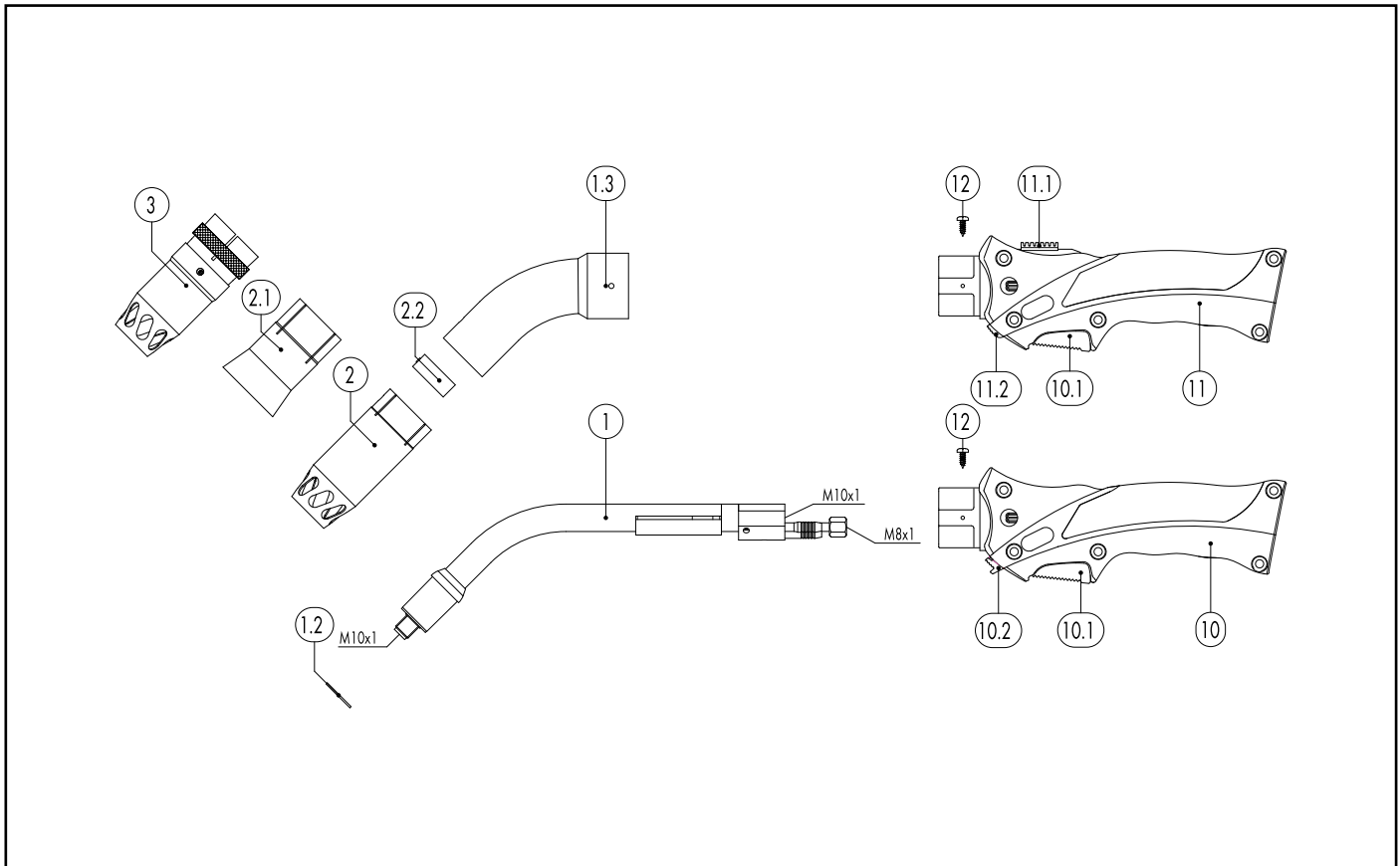
Pos.	Description	Units	Part-No.	Product-group
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 3.00 m		122.0005	1034
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 4.00 m		122.0007	1034



# MIG/MAG Fume Extraction Torches RAB GRIP 240 D

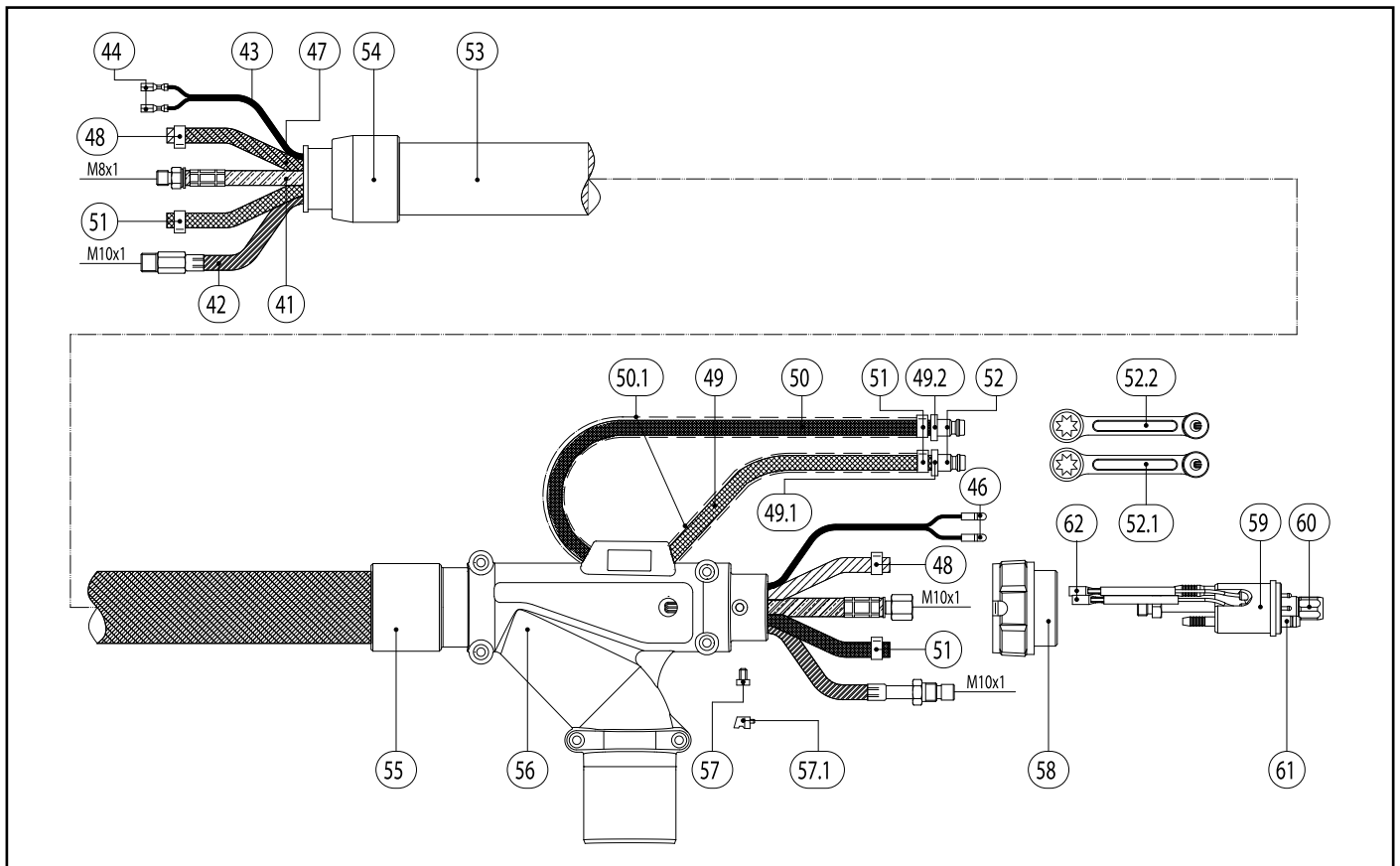
Pos.	Description	Units	Part-No.	Product-group
120	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 5.00 m		122.0009	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 5.00 m		122.0039	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010

# MIG/MAG Fume Extraction Torches RAB GRIP 501 / 501 D



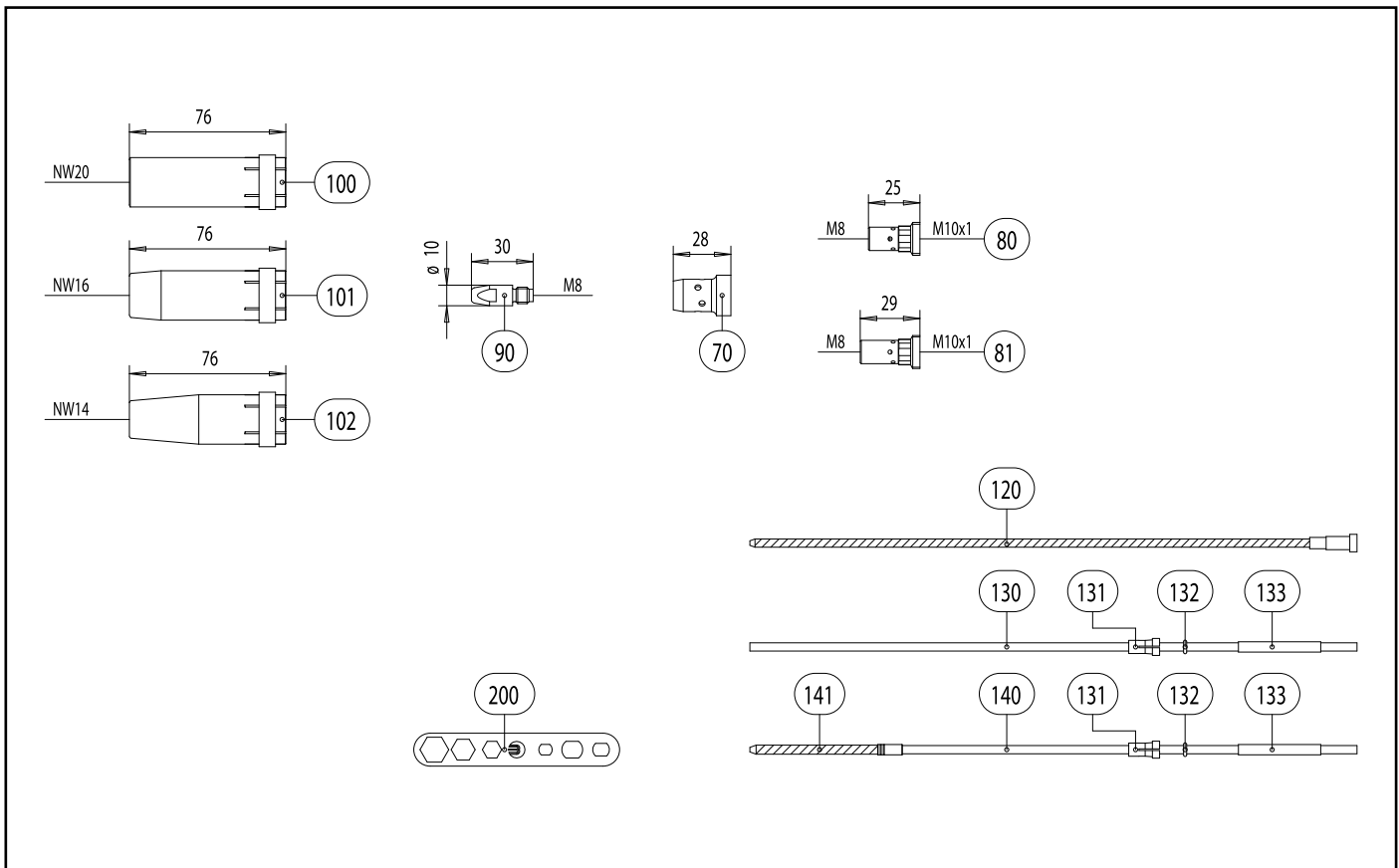
Pos.	Description	Units	Part-No.	Product-group
	<b>Torch D (Suction nozzle with spring clip, feed air slide below)</b>			
	RAB GRIP 501 D; central adaptor WZ-2; 3.00 m		634.3003.1	1620
	RAB GRIP 501 D; central adaptor WZ-2; 4.00 m		634.3004.1	1620
	RAB GRIP 501 D; central adaptor WZ-2; 5.00 m		634.3005.1	1620
	<b>Torch (Suction nozzle with spring clip, feed air slide below)</b>			
	RAB GRIP 501; central adaptor WZ-2; 3.00 m		632.3003.1	1620
	RAB GRIP 501; central adaptor WZ-2; 4.00 m		632.3004.1	1620
	RAB GRIP 501; central adaptor WZ-2; 5.00 m		632.3005.1	1620
	<b>Torch D (Suction nozzle with Quicklock, feed air slide on top)</b>			
	RAB GRIP 501 D Quicklock; central adaptor WZ-2; 3.00 m		634.3030.1	1620
	RAB GRIP 501 D Quicklock; central adaptor WZ-2; 4.00 m		634.3031.1	1620
	RAB GRIP 501 D Quicklock; central adaptor WZ-2; 5.00 m		634.3032.1	1620
	<b>Torch (Suction nozzle with Quicklock, feed air slide on top)</b>			
	RAB GRIP 501 Quicklock; central adaptor WZ-2; 3.00 m		632.3015.1	1620
	RAB GRIP 501 Quicklock; central adaptor WZ-2; 4.00 m		632.3016.1	1620
	RAB GRIP 501 Quicklock; central adaptor WZ-2; 5.00 m		632.3017.1	1620
	<b>Swan neck (D-Version)</b>			
1	Swan neck RAB GRIP 501 D; 45° bent		634.3001.1	1009
1.2	Insulator	20 Pcs.	030.0019	1095
1.3	Outer neck		600.2002	1095
	<b>Swan neck</b>			
	Swan neck RAB GRIP 501; 45° bent		632.3001.1	1009
	Insulator	20 Pcs.	030.0019	1095
	Outer neck RAB 501		632.2009	1095
	<b>Fume shroud</b>			
2	Fume shroud with spring clip (type 36, 501)		600.2044.1	1602

# MIG/MAG Fume Extraction Torches RAB GRIP 501 / 501 D



Pos.	Description	Units	Part-No.	Product-group
2.1	Fume shroud (funnel)		612.0023	1602
2.2	Spring clip		600.2028	1095
3	Fume shroud with Quicklock (type 36, 501)		600.3009.1	1602
<b>Handle RAB GRIP standard</b>				
10	Handle RAB GRIP Standard (feed air slide below)		180.0138.1	1095
10.1	Trigger 2-pole GRIP		185.0101	9010
10.2	Supply air slide RAB GRIP	10 Pcs.	400.1452.10	9010
<b>Handle RAB GRIP ZO</b>				
11	Handle RAB GRIP ZO (feed air slide on top)		180.0144.1	1095
11.1	Supply air slide cpl. For RAB GRIP handle ZO		400.1631.1	1095
11.2	Sealing cover	10 Pcs.	400.1496.10	1095
<b>Cable assembly</b>				
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 3.00 m		115.0581	1012
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 4.00 m		115.0582	1012
41	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 5.00 m		115.0583	1012
42	Wire conduit RAB GRIP cpl. For 5.00 m		154.0002	1012
42	Wire conduit RAB GRIP cpl. For 3.00 m		154.0003	1012
42	Wire conduit RAB GRIP cpl. For 4.00 m		154.0004	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010

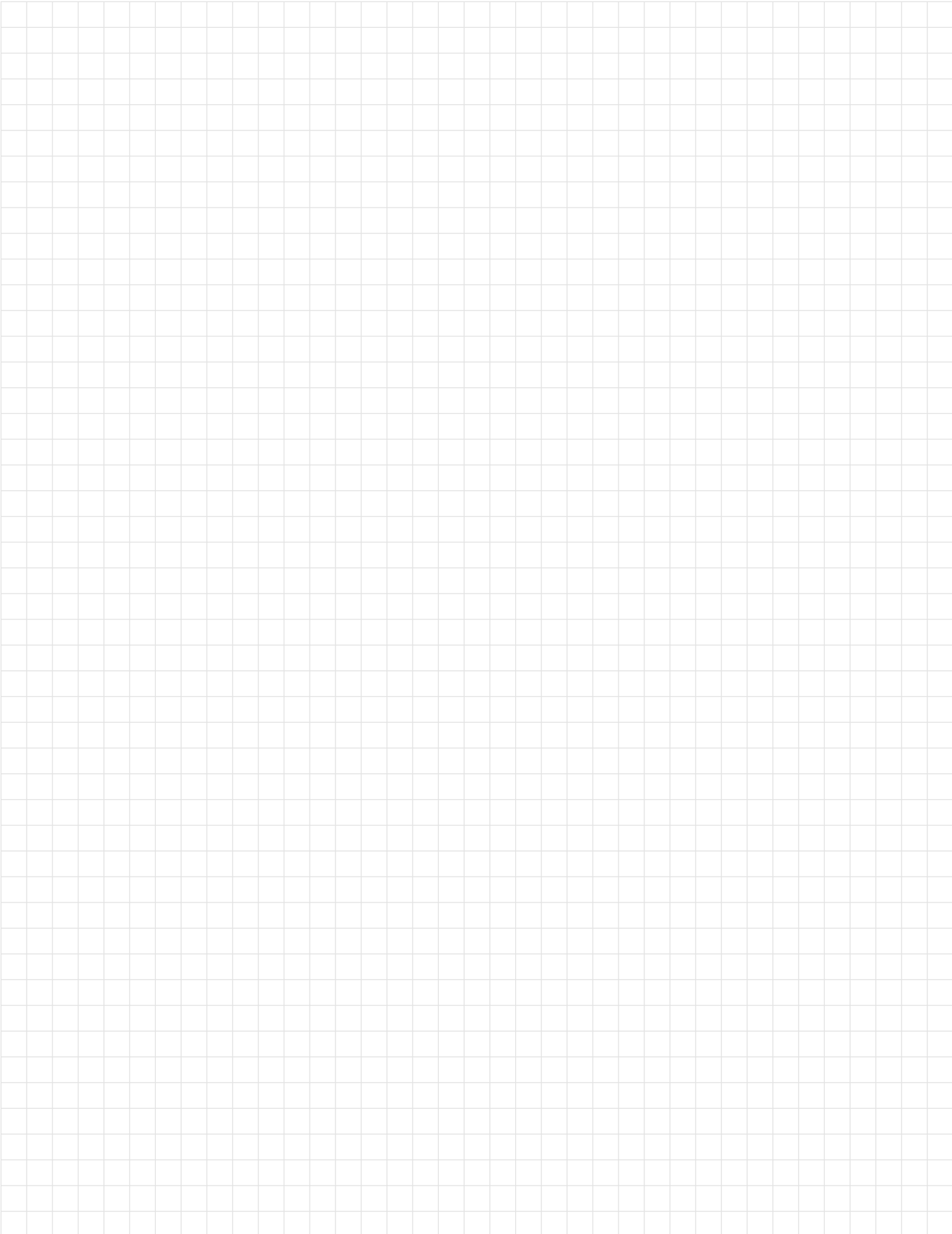
# MIG/MAG Fume Extraction Torches RAB GRIP 501 / 501 D



Pos.	Description	Units	Part-No.	Product-group
50	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0114	1095
	Hose 46 red Ø 5.5x1.5	100 m	109.0056	4050
50.1	Protective tube NW 9.9	10 Pcs.	110.0053.10	1095
51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	173.0001	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Hose 34 black LW 38 R	30 m	109.0044	4050
54	Connection sleeve RAB GRIP 240 / 501		600.0080	1095
55	Connector cpl. LW 38 for RAB GRIP		600.3006.1	1095
56	Connection housing cpl. For RAB GRIP		501.2591.1	1095
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		501.0015	9010
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
	<b>Wear parts RAB GRIP 501 / 501 D</b>			
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
	<b>Wear parts RAB GRIP 501 D</b>			
80	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
81	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033

# MIG/MAG Fume Extraction Torches RAB GRIP 501 / 501 D

Pos.	Description	Units	Part-No.	Product-group
	<b>Wear parts RAB GRIP 501 / 501 D</b>			
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
90	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
90	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
90	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
90	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
90	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 3.00 m		122.0031	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 4.00 m		122.0036	1034
120	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0–1.2; for 5.00 m		122.0039	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 3.00 m		122.0056	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 4.00 m		122.0060	1034
120	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 5.00 m		122.0063	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard		191.0001	9010



## Fume Extraction System

# FES-200 / FES-200 W3

### “Room to breath“

Mobile, powerful and easy to use! The Fume Extraction System FES-200 – for optimum extraction of contaminants with fume extraction directly at the arc. The W3 version is certified for all CrNi-steels!

The high-vacuum extraction unit FES-200 and FES-200 W3 with the RAB GRIP torches constitutes the perfect system to extract welding fumes most effectively. Hence, the welder and his environment are best protected, and the most productive work enabled.

- Weighs approx. 23 kg
- Automatic Start/Stop function included in basic equipment
- Integrated manual filter cleaning system for longer uses
- A filter contamination meter; only clean when necessary
- IFA certified W3-License



### Technical data Fume Extraction System “FES-200“ and “FES-200 W3“

	<b>FES-200</b>	<b>FES-200 W3</b>
Dimensions:	Length 500 mm; Width 210 mm; Height 590 mm	Length 630 mm; Width 210 mm; Height 590 mm
Weight:	approx. 23 kg	approx. 23.5 kg
Max. airflow:	200 m <sup>3</sup>	200 m <sup>3</sup>
Connection inner Ø:	50 mm	50 mm
Max. negative pressure:	19000 Pa	19000 Pa
Voltage:	115 V / 230 V	230 V
Motor:	1.1 kW	1.1 kW
Filter surface:	Permanent filter dust class M, 0.8 m <sup>2</sup>	Permanent filter dust class H13, 0.8 m <sup>2</sup>

# Fume Extraction System FES-200 / FES-200 W3



Pos.	Description	Units	Part-No.	Product-group
<b>Fume Extraction System</b>				
1	Fume Extraction System FES-200 (230 V)		601.0001.1	7020
1	Fume Extraction System FES-200 (110 V)		601.0002.1	7020
<b>Wear parts</b>				
3	Carbon brush 230 V		601.0005.1	7021
3	Carbon brush 110 V		601.0017.1	7021
4	Filter cartridge FES-200, Ø = 150 x 325 mm		601.0008.1	7021
4	Filter cartridge FES-200 W3, Ø = 150 x 325 mm		601.0048.1	7021
<b>Accessories</b>				
5	Hose with sleeves		601.0015.1	7021
6	Adapter ring (connection for two hoses)		601.0046.1	7021
	Start/Stop probe, 4-pole		601.0041.1	7021
8	Plastic bag (without drawer)	10 Pcs.	601.0021.10	7021
9	Exhaust case FES-200		601.0023.1	7021
10	Adaptor ring FES-200 / RAB GRIP (50 / 44 mm)		601.0031.1	7021



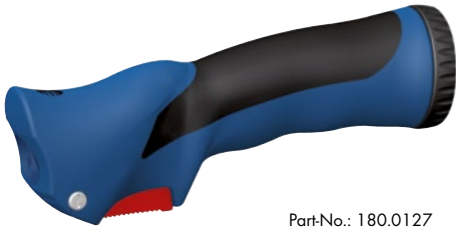
MIG/MAG-Handles and control modules

**MB GRIP /  
ABIMIG® GRIP /  
ABIMIG® A T LW /  
RAB GRIP**



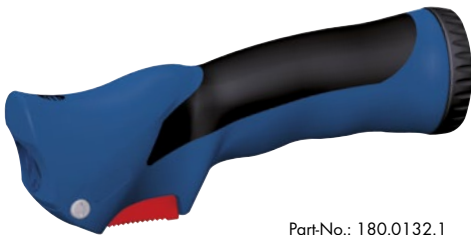
# Handles and control modules MB GRIP / ABIMIG® GRIP

## 1. Handle Type MB GRIP



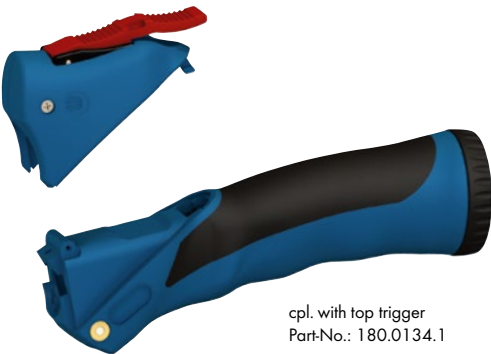
Part-No.: 180.0127

## 2. Handle Type ABIMIG® GRIP S



Part-No.: 180.0132.1

## 3. Handle Type ABIMIG® GRIP TO



cpl. with top trigger  
Part-No.: 180.0134.1

## 5. Adapter



for all torch types MB ERGO / MB GRIP / ABIMIG® GRIP 155-355  
for using the handles Type ABIMIG® GRIP / ABIMIG® GRIP SH / ABIMIG® GRIP TO  
Part-No.: 400.1341.1

## 4. Handle Type ABIMIG® GRIP SH

### 4.01



**BIS-01L**  
Control module with potentiometer  
left 10 kΩ

### 4.02



**BIS-01R**  
Control module with potentiometer  
right 10 kΩ

### 4.03



**BIS-02**  
Control module with potentiometer left  
10 kΩ LED for Migatronic

### 4.04



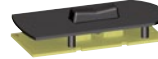
**BIS-06**  
Control module with push-button and 4 LED

### 4.05



**BIS-07B**  
Control module Up/Down 7-Segment  
Switch crosswise

### 4.06



**BIS-10A**  
Control module Up/Down Switch lengthwise

### 4.07



**BIS-10B**  
Control module Up/Down Switch crosswise

### 4.08



**BIS-10D**  
Control module Up/Down Switch crosswise  
for Fronius

### 4.9



**BIS-13A**  
Control module Up/Down 2x Switch  
lengthwise for EWM

### 4.10



**BIS-18**  
Control module Up/Down 2x Push-Button  
for Cloos

### 4.11



**BIS-19**  
Control module Push-Button 3-Steps



incl. add-on for control modules  
Part-No.: 180.0133.1

**Please note:** All trademarks named in this brochure are the property of the respective companies.

# Handles and control modules MB GRIP / ABIMIG® GRIP

Pos.	Description	Units	Part-No.	Product-group
<b>Handle type MB GRIP</b>				
1	Handle GRIP with trigger cpl.		180.0127	1095
	Trigger 2-pole GRIP		185.0101	9010
	Ball joint cable protection MB GRIP (air cooled)		400.1395.1	1095
	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		400.1392.1	1095
	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		400.0790	1095
	Ball joint cable support short for ABIMIG® GRIP A		400.1323.1	1095
<b>Handle type ABIMIG® GRIP S</b>				
2	Handle GRIP type S with trigger cpl.		180.0132.1	1395
	Trigger 2-pole GRIP	5 Pcs.	185.0107.5	1395
	Ball joint cable support short for ABIMIG® GRIP A		400.1323.1	1095
	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		400.1392.1	1095
	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		400.0790	1095
<b>Handle type ABIMIG® GRIP TO</b>				
3	Handle GRIP type TO with switch on top cpl.		180.0134.1	1395
<b>Handle type ABIMIG® GRIP SH</b>				
4	Handle GRIP type SH with trigger cpl. (without module)		180.0133.1	1395
	Trigger 2-pole GRIP	5 Pcs.	185.0107.5	1395
4.01	Control module BIS-01L with potentiometer left 10 k-Ohm		400.0956	1395
4.02	Control module BIS-01R with potentiometer right 10 k-Ohm		400.0957	1395
4.03	Control module BIS-02 with potentiometer 10 k-Ohm LED for Migatroni <sup>®</sup>		400.0958	1395
4.04	Control module BIS-06 with push-button and 4 LED		400.0959	1395
4.05	Control module BIS-07B Up/Down 7-segment switch crosswise		400.0961	1395
4.06	Control module BIS-10A Up/Down switch lengthwise		400.0963	1395
4.07	Control module BIS-10B Up/Down switch crosswise		400.0964	1395
4.08	Control module BIS-10D Up/Down switch crosswise for Fronius <sup>®</sup>		400.1085	1395
4.09	Control module BIS-13A Up/Down 2x switch lengthwise for EWM <sup>®</sup>		400.0966	1395
4.10	Control module BIS-18 Up/Down 2x push button for Cloos <sup>®</sup>		400.1545.1	1395
4.11	Control module BIS-19 push-button 3-Steps		400.1088	1395
<b>Adapter</b>				
5	Adapter for handle GRIP type S, SH and TO		400.1341.1	1395

# Handles and control modules ABIMIG® A T LW

6. Handle Type ABIMIG® A T LW



Push-button long, blind cover  
Part-No.: 180.D077.1

7. Handle Type ABIMIG® A T LW



Push-button short, blind cover  
Part-No.: 180.D078.1

8. Handle Type ABIMIG® A T LW



BIS-52 Push-button long, Up/Down  
Part-No.: 180.D079.1

9. Handle Type ABIMIG® A T LW



BIS-52 Push-button short, Up/Down  
Part-No.: 180.D080.1

Pos.	Description	Units	Part-No.	Product-group
	<b>Handle ABIMIG® A T LW without module</b>			
6	Handle ABIMIG® A T with push-button long		180.D077.1	1595
7	Handle ABIMIG® A T with push-button short		180.D078.1	1595
	Cable support ABIMIG® A T LW (short)		400.D574.1	1595
	Half rings (1 pair)	2 Pcs.	400.D561.2	1595
	<b>Handle ABIMIG® A T LW with module</b>			
8	Handle ABIMIG® A T with push-button long (without module BIS-52)		180.D079.1	1595
9	Handle ABIMIG® A T with push-button short (without module BIS-52)		180.D080.1	1595
	Cable support ABIMIG® A T LW (short)		400.D574.1	1595
	Half rings (1 pair)	2 Pcs.	400.D561.2	1595

# Handles and control modules RAB GRIP

## 10. Handle Type RAB GRIP Standard



Push-button, feed air slide below  
Part-No.: 180.0138.1

## 11. Handle Type RAB GRIP ZO



Push-button, feed air slide on top  
Part-No.: 180.0144.1

## 12. Handle Type RAB GRIP SH



Push-button, feed air slide below  
Part-No.: 180.0154.1

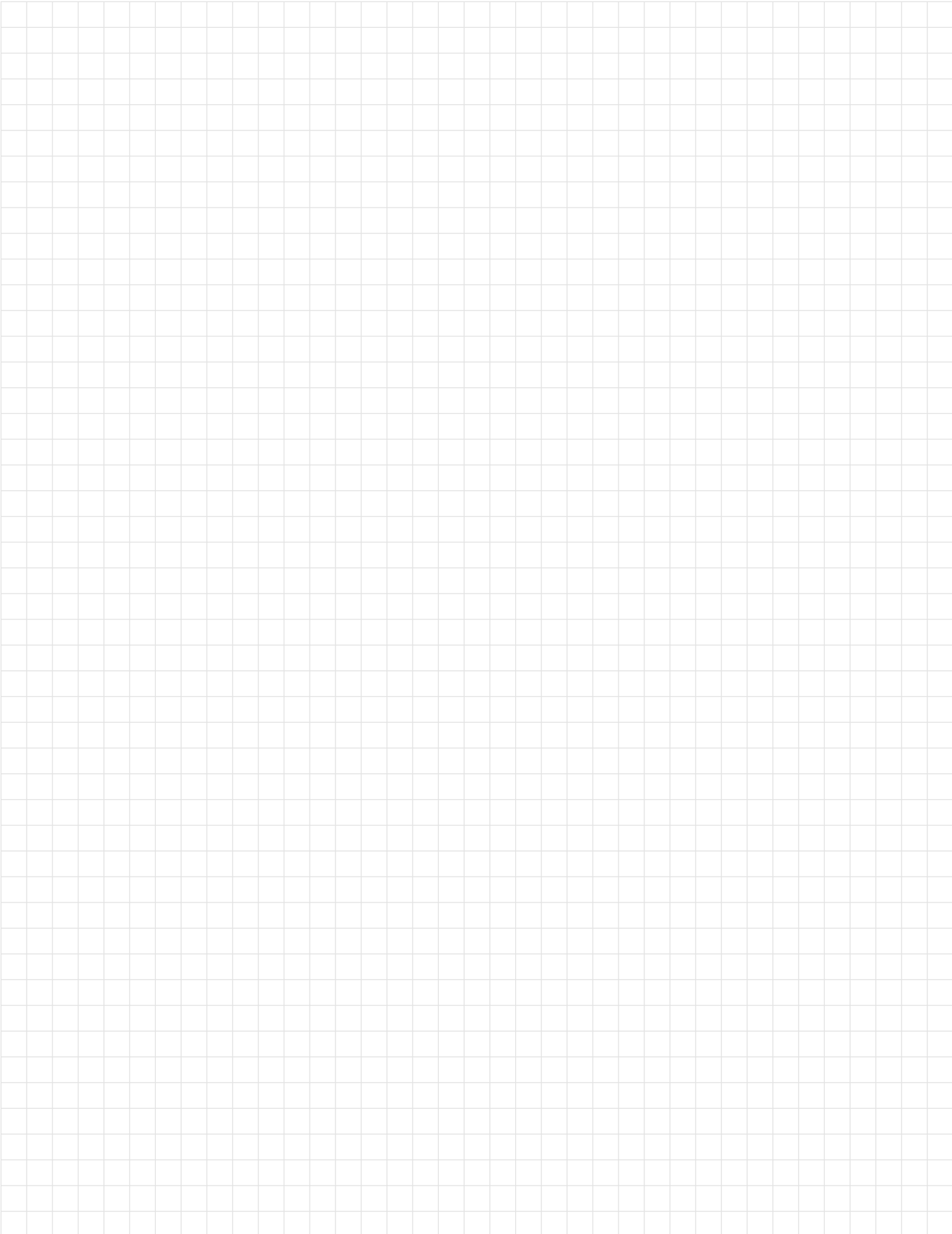


**BIS-51**  
Control module push-button



**BIS-52**  
Control module Up/Down  
2x push-button

Pos.	Description	Units	Part-No.	Product-group
<b>Handle RAB GRIP without module</b>				
10	Handle RAB GRIP Standard (feed air slide below)		180.0138.1	1095
11	Handle RAB GRIP ZO (feed air slide on top)		180.0144.1	1095
	Connector RAB GRIP 15 / 24 / 25 / 36		600.2008	1095
	Connector RAB GRIP 240 / 501		600.0080	1095
<b>Handle RAB GRIP with module</b>				
12	Handle RAB GRIP SH for module (feed air slide below)		180.0154.1	1095
	Connector RAB GRIP 15 / 24 / 25 / 36		600.2008	1095
	Connector RAB GRIP 240 / 501		600.0080	1095
13	Control module BIS-51 single push-button		400.1296.1	2005
14	Control module BIS-52 double push-button		400.1292.1	2005



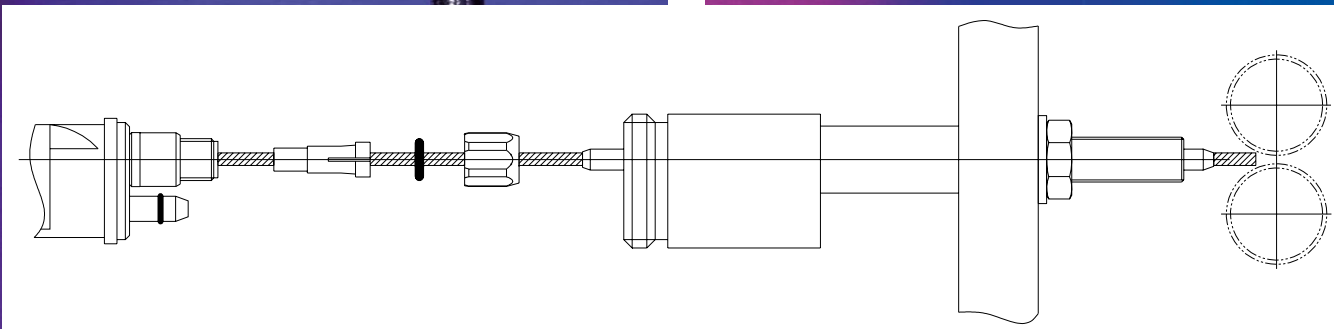
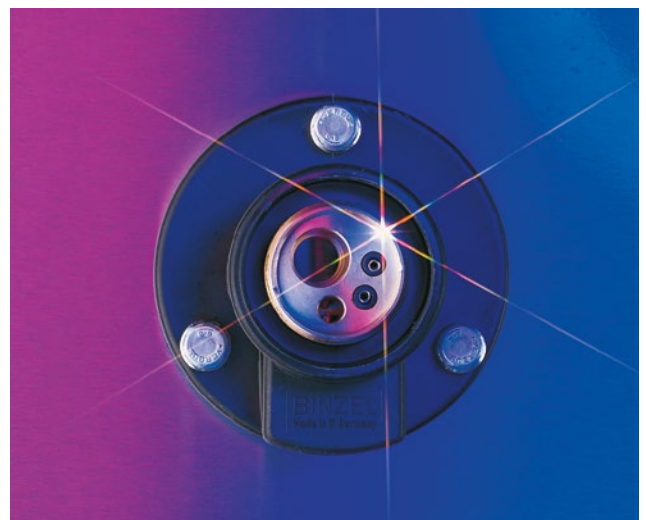
## Central adaptor and central connector system

**“The universal connection ...”**

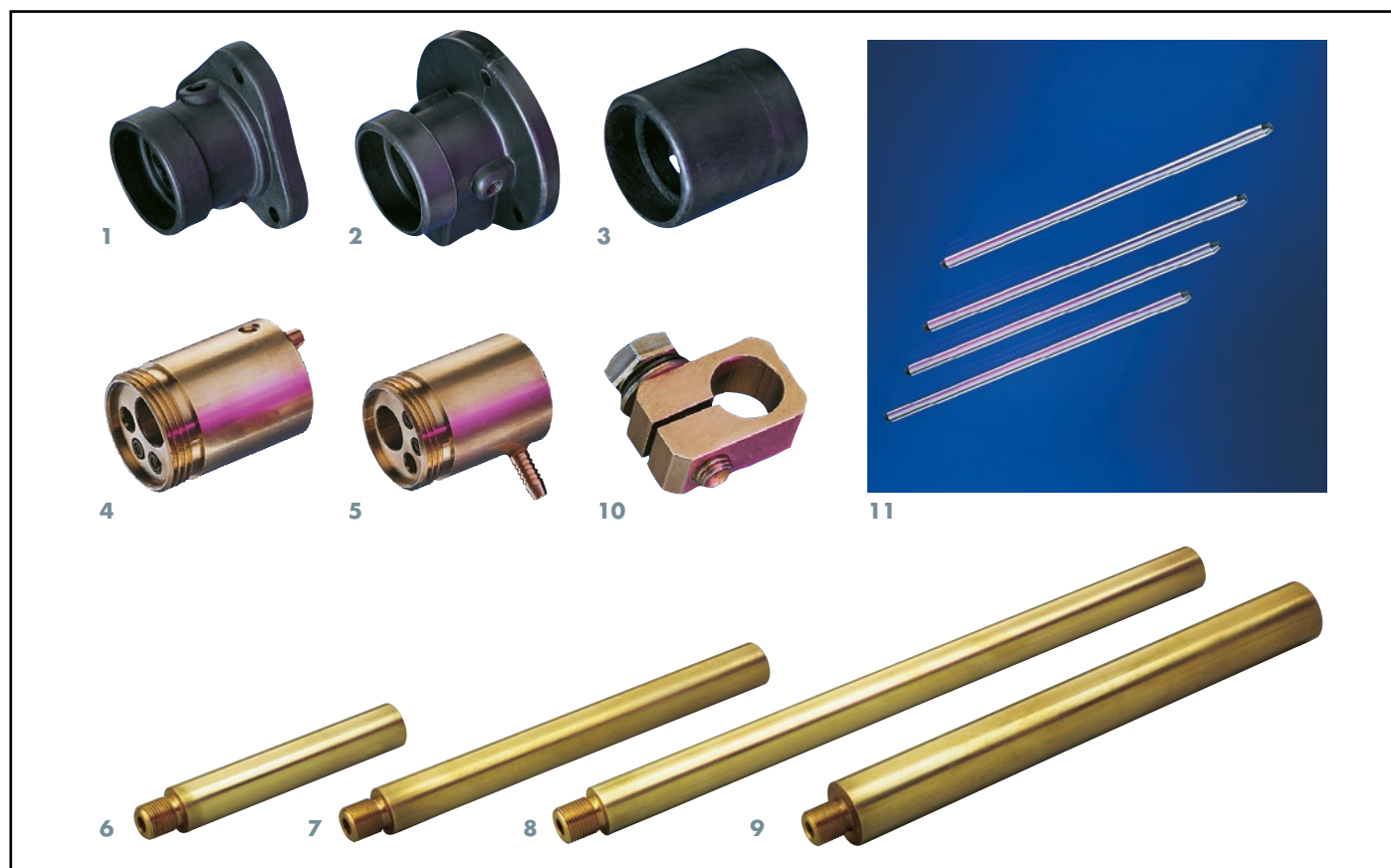
The original ABICOR BINZEL central adaptor and central connector, for air and liquid cooled MIG/MAG machines, have been the industry standard for more than 40 years.

All machine types are different in construction and all wire feeding systems have their own dimensions. However, there is a common denominator the central adaptor system from ABICOR BINZEL.

We offer more than 500 different central adaptor types. Please indicate manufacturer and type of your wire feeder or your compact power source and we will supply you with the appropriate adaptor. However, if an adaptation problem should occur, please contact us - we will take care of it.



## Central adaptor and central connector system

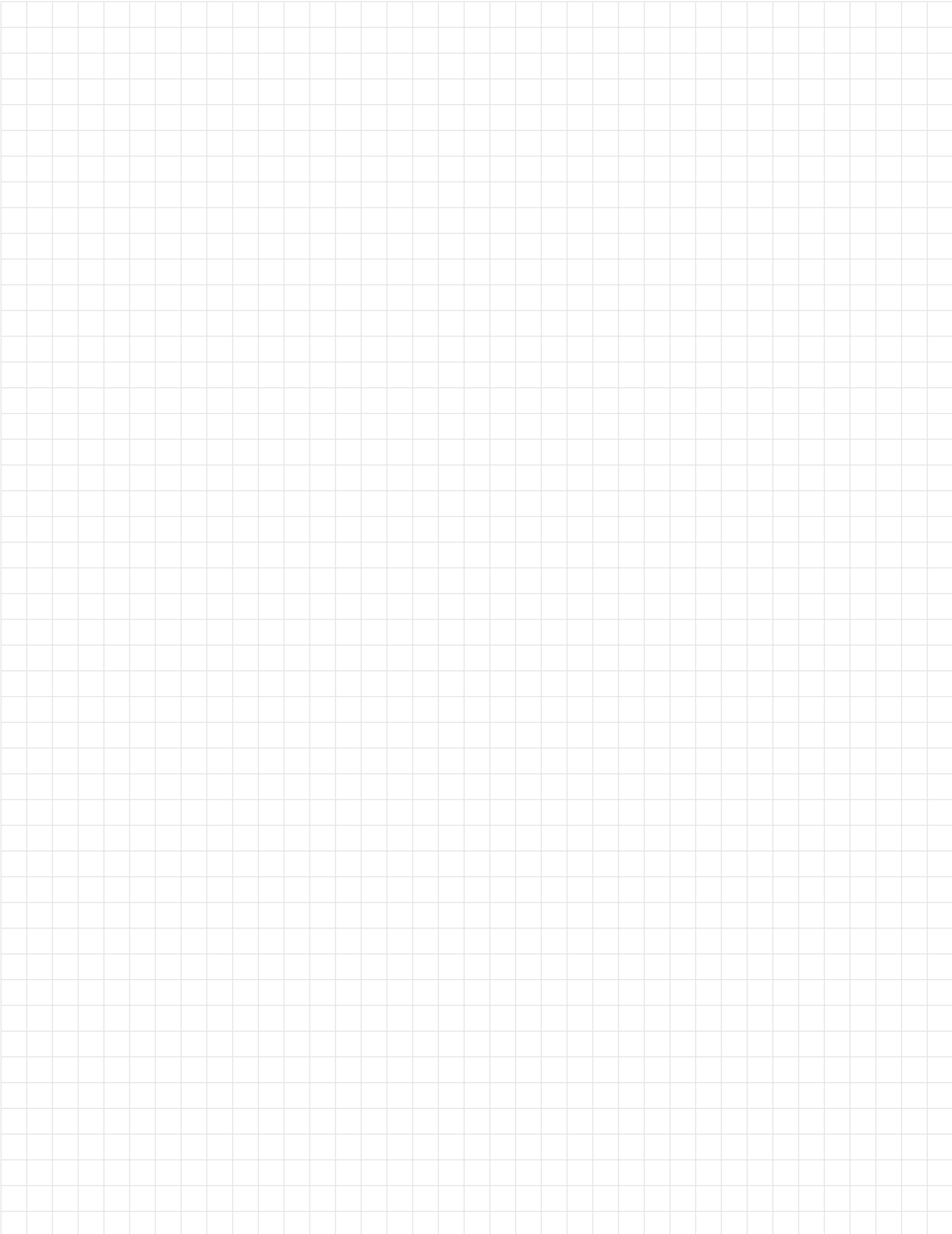


Pos.	Description	Units	Part-No.	Product-group
<b>Insulation flanges</b>				
	Insulating flange Ø 120 mm		501.0602	1095
1	Insulating flange 85 mm, triangular		501.2381	1095
2	Insulation flange Ø 85 mm		501.0616	1095
3	Insulating flange Ø 50 mm		501.0588	1095
w/o.fig.	Insulating flange 60 mm, quadrangular		501.2308	1095
<b>Brass bodies</b>				
4	Brass body (gas axial)		501.0168	1095
5	Brass body (gas radial)		501.0169	1095
w/o.fig.	Socket with control leads 600 mm (white)		501.0183	1095
w/o.fig.	Socket with control leads 600 mm (brown)		501.2020	1095
<b>Adaptor plugs</b>				
6	Blank Ø 16 (100 mm)		501.2191	1095
7	Blank Ø 16 (170 mm)		501.2192	1095
8	Blank Ø 16 (250 mm)		501.2193	1095
9	Blank Ø 22 (200 mm)		501.2190	1095
<b>Power lug</b>				
10	Power clamp		501.0280	1095
<b>Capillary tubes</b>				
	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 200 mm)	5 Pcs.	129.0164	1095
	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 300 mm)	10 Pcs.	129.0187	1095
	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 500 mm)	10 Pcs.	129.0189	1095
	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 1000 mm)		129.0107	1095
	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 200 mm)	10 Pcs.	129.0313	1095
	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 300 mm)	5 Pcs.	129.0357	1095
	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 500 mm)	10 Pcs.	129.0361	1095



# Central adaptor and central connector system

Pos.	Description	Units	Part-No.	Product-group
	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 1000 mm)	5 Pcs.	129.0227	1095
	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 200 mm)	5 Pcs.	129.0395	1095
	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 300 mm)	5 Pcs.	129.0411	1095
	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 500 mm)	5 Pcs.	129.0412	1095
	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 1000 mm)	5 Pcs.	129.0366	1095
w/o.fig.	<b>Guide tubes</b>			
	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
	Guide tube for core liners up to Ø 4.0 (300 mm)	5 Pcs.	129.0471	1095
	Guide tube for core liners up to Ø 4.0 (500 mm)	5 Pcs.	129.0473	1095
	Guide tube for core liners up to Ø 4.0 (1000 mm)	5 Pcs.	129.0426	1095



## Spare Part List (numeric)



## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
000.0552	Pan head screw M4x6	20 Pcs.	9010
000.0556	Flat headed screw M4x12	20 Pcs.	9010
000.0558	Pan head screw M4x20	20 Pcs.	9010
001.0009	Hexagon nut M10x1	10 Pcs.	9010
001.0305	Brass spiral made up with sleeve (200 mm)	10 Pcs.	1095
002.0009	Swan neck MB 15 AK; 50° bent		1007
002.0029	Swan neck MB 15 AK; flexible		1007
002.0050	Head insulator	10 Pcs.	1095
002.0058	Nozzle spring	100 Pcs.	1095
002.0078	Gas nozzle holder		1095
002.0449	MB 15 AK; ERGO; central adaptor KZ-2; 3.00 m		1006
002.0450	MB 15 AK; ERGO; central adaptor KZ-2; 4.00 m		1006
002.0451	MB 15 AK; ERGO; central adaptor KZ-2; 5.00 m		1006
002.0604	MB 15 AK GRIP; central adaptor KZ-2; 3.00 m		1008
002.0605	MB 15 AK GRIP; central adaptor KZ-2; 4.00 m		1008
002.0606	MB 15 AK GRIP; central adaptor KZ-2; 5.00 m		1008
003.0013	Nozzle spring	100 Pcs.	1095
004.0012	Swan neck MB 25 AK; 50° bent		1007
004.0032	Swan neck MB 25 AK; flexible		1007
004.0312	MB 25 AK; ERGO; central adaptor KZ-2; 3.00 m		1006
004.0313	MB 25 AK; ERGO, central adaptor KZ-2; 4.00 m		1006
004.0314	MB 25 AK; ERGO; central adaptor KZ-2; 5.00 m		1006
004.0510	MB 25 AK GRIP; central adaptor KZ-2; 3.00 m		1008
004.0511	MB 25 AK GRIP; central adaptor KZ-2; 4.00 m		1008
004.0512	MB 25 AK GRIP; central adaptor KZ-2; 5.00 m		1008
004.0638.1	COMBI swan neck A T 255K TM cpl.; 45°; X=125; Y=75; gas nozzle screwed		1306
004.0639.1	COMBI swan neck A T 255K T cpl.; 45°; X=125; Y=75; gas nozzle screwed		1306
004.0640.1	COMBI swan neck A T 255 TM cpl.; 45°; X=160; Y=85; gas nozzle screwed		1306
004.0641.1	COMBI swan neck A T 255 T cpl.; 45°; X=160; Y=85; gas nozzle screwed		1306
004.0642.1	COMBI swan neck A T 255 TM cpl.; 60°; X=135; Y=105; gas nozzle screwed		1306
004.0643.1	COMBI swan neck A T 255 T cpl.; 60°; X=135; Y=105; gas nozzle screwed		1306
004.0644.1	COMBI swan neck A T 255L TM cpl.; 45°; X=185; Y=95; gas nozzle screwed		1306
004.0645.1	COMBI swan neck A T 255L T cpl.; 45°; X=185; Y=95 gas nozzle screwed		1306
004.0646.1	COMBI swan neck A T 255 T8 FLEX cpl.; X=250; gas nozzle screwed		1306
004.D624.5	Contact tip holder M14/M6/51 US	5 Pcs.	1533
004.D763.5	Contact tip holder D15/M8/53 for slip-on gas nozzle	5 Pcs.	1533
004.D785	Swan neck ABIMIG® MT 255 T8M; 45° bent		1306
004.D826.1	Swan neck ABMIG® A T 255 T8 FLEX; X=567; gas nozzle screwed		1306
004.D831.1	Swan neck ABIMIG® A 255 LW; 45° bent		1306
004.D837.1	Swan neck ABMIG® A T 255K T; 45°; X=125; Y=75; gas nozzle screwed		1306
004.D842.1	Swan neck ABMIG® A T 255 TM; 45°; X=160; Y=85; gas nozzle screwed		1306
004.D845.1	Swan neck ABMIG® A T 257 T; 45°; X=160; Y=85; gas nozzle mated		1306
004.D846.1	Swan neck ABMIG® A T 257 TM; 45°; X=160; Y=85; gas nozzle mated		1306
004.D850.1	ABIMIG® A T 255 LW; T45°; central adaptor KZ-2; 3.00 m		1323
004.D851.1	ABIMIG® A T 255 LW; T45°; central adaptor KZ-2; 4.00 m		1323
004.D852.1	ABIMIG® A T 255 LW; T45°; central adaptor KZ-2; 5.00 m		1323
004.D860.1	Swan neck ABMIG® A T 255 TM; 60°; X=135; Y=105; gas nozzle screwed		1306
004.D894.1	ABIMIG® A T G 255 LW; central adaptor KZ-2; 3.00 m		1325
004.D895.1	ABIMIG® A T G 255 LW; central adaptor KZ-2; 4.00 m		1325
004.D896.1	ABIMIG® A T G 255 LW; central adaptor KZ-2; 5.00 m		1325

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
004.D907.1	Swan neck ABMIG® A T 255 T; 60°; X=135, Y=106; gas nozzle screwed		1306
004.D912.1	Swan neck ABMIG® A T 255K TM; 45°; X=125; Y=75; gas nozzle screwed		1306
004.D915.1	Swan neck ABMIG® A T 257K T; 45°; X=125; Y=75; gas nozzle mated		1306
004.D916.1	Swan neck ABMIG® A T 257K TM; 45°; X=135; Y=105; gas nozzle mated		1306
004.D917.1	Swan neck ABMIG® A T 257 T; 60°; X=135; Y=105; gas nozzle mated		1306
004.D918.1	Swan neck ABMIG® A T 257 TM; 60°; X=135; Y=105; gas nozzle mated		1306
004.D919.1	Swan neck ABMIG® A T 255 T; 45°; X=185; X=95; gas nozzle screwed		1306
004.D924.1	Swan neck ABMIG® A T 255 TM; 45°; X=185; Y=95; gas nozzle screwed		1306
004.D927.1	Swan neck ABMIG® A T 257 T; 45°; X=185; Y=95; gas nozzle mated		1306
004.D928.1	Swan neck ABMIG® A T 257 TM; 45°; X=185; Y=95; gas nozzle mated		1306
006.0131.1	COMBI swan neck A T 155 K T cpl.; 45°; X=105, Y=55; M6; gas nozzle screwed		1306
006.0132.1	COMBI swan neck A T 155 T cpl.; 45°; X=125; Y=70; M6; gas nozzle screwed		1306
006.0133.1	COMBI swan neck A T 155 T8 FLEX cpl.; X=248; M6; gas nozzle screwed		1306
006.D719.5	Contact tip holder M12/M6/35 US	5 Pcs.	1533
006.D802.1	Swan neck ABMIG® A T 155 T8 FLEX; X=248; M6; gas nozzle screwed		1306
006.D804.1	Swan neck ABMIG® A 155 LW; 45° bent		1306
006.D810.1	ABMIG® A T 155 LW; T45°; central adaptor KZ-2; 3.00 m		1323
006.D811.1	ABMIG® A T 155 LW; T45°; central adaptor KZ-2; 4.00 m		1323
006.D812.1	ABMIG® A T 155 LW; T45°; central adaptor KZ-2; 5.00 m		1323
006.D841.1	ABMIG® A T G 155 LW; central adaptor KZ-2; 3.00 m		1325
006.D842.1	ABMIG® A T G 155 LW; central adaptor KZ-2; 4.00 m		1325
006.D843.1	ABMIG® A T G 155 LW; central adaptor KZ-2; 5.00 m		1325
006.D848.1	Swan neck ABMIG® A T 155 K T; 45°; X=105, Y=55; M6; gas nozzle screwed		1306
009.0315	Counter sunk screw M4x8	20 Pcs.	1095
012.0001	Swan neck MB 24 KD; 50° bent		1007
012.0103	MB 24 KD; ERGO; central adaptor KZ-2; 3.00 m		1006
012.0104	MB 24 KD; ERGO; central adaptor KZ-2; 4.00 m		1006
012.0105	MB 24 KD; ERGO; central adaptor KZ-2; 5.00 m		1006
012.0183	Gas diffuser, white	10 Pcs.	1032
012.0243	Gas diffuser, silicone rubber	10 Pcs.	1032
012.0251	MB 24 KD GRIP; central adaptor KZ-2; 3.00 m		1008
012.0252	MB 24 KD GRIP; central adaptor KZ-2; 4.00 m		1008
012.0253	MB 24 KD GRIP; central adaptor KZ-2; 5.00 m		1008
012.D122	Swan neck ABMIG® MT 255 T8M; straight		1508
013.0001	Swan neck RB 61 GD; 35° bent		1014
013.0030	Gas diffuser	10 Pcs.	1032
013.0053	RB 61 GD; industrial handle; central adaptor RGZ-2; 3.00 m		1013
013.0054	RB 61 GD; industrial handle; central adaptor RGZ-2; 4.00 m		1013
013.0097	Gas diffuser, ceramic	10 Pcs.	1032
014.0006	Swan neck MB 36 KD; 50° bent		1014
014.0023	Gas diffuser, ceramic	10 Pcs.	1032
014.0026	Gas diffuser, long life	10 Pcs.	1032
014.0143	MB 36 KD; ERGO; central adaptor KZ-2; 3.00 m		1015
014.0144	MB 36 KD; ERGO; central adaptor KZ-2; 4.00 m		1015
014.0145	MB 36 KD; ERGO; central adaptor KZ-2; 5.00 m		1015
014.0261	Gas diffuser, white	10 Pcs.	1032
014.0334	MB 36 KD GRIP; central adaptor KZ-2; 3.00 m		1016
014.0335	MB 36 KD GRIP; central adaptor KZ-2; 4.00 m		1016
014.0336	MB 36 KD GRIP; central adaptor KZ-2; 5.00 m		1016
014.0467.1	COMBI swan neck A T 305K TM cpl.; 45°; X=135, Y=75; gas nozzle screwed		1308

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
014.0468.1	COMBI swan neck A T 305K T8M cpl.; 45°; X=135, Y=75; gas nozzle screwed		1308
014.0469.1	COMBI swan neck A T 305/355K TM cpl.; 45°; X=160, Y=85; gas nozzle screwed		1308
014.0470.1	COMBI swan neck A T 305/355K T8M cpl.; 45°; X=160, Y=85; gas nozzle screwed		1308
014.0471.1	COMBI swan neck A T 305/355K TM cpl.; 60°; X=165, Y=110; gas nozzle screwed		1308
014.0472.1	COMBI swan neck A T 305/355K T8M cpl.; 60°; X=165, Y=110; gas nozzle screwed		1308
014.0473.1	COMBI swan neck A T 305/355K TM cpl.; 45°; X=185; Y=95; gas nozzle screwed		1308
014.0474.1	COMBI swan neck A T 305/355K T8M cpl.; 45°; X=185, Y=95; gas nozzle screwed		1308
014.0475.1	COMBI swan neck A T 305XL TM cpl.; 45°; X=350; Y=95; gas nozzle screwed		1308
014.0476.1	COMBI swan neck A T 305XL T8M cpl.; 45°; X=350; Y=95; gas nozzle screwed		1308
014.0477.1	COMBI swan neck A T 305XXL TM cpl.; 45°; X=500; Y=95; gas nozzle screwed		1308
014.0478.1	COMBI swan neck A T 305XXL T8M cpl.; 45°; X=500; Y=95; gas nozzle screwed		1308
014.D745.5	Contact tip holder M16/M8/52 US	5 Pcs.	1533
014.D808	Swan neck ABIMIG® MT 355 T8M; 45° bent		1308
014.D812	Swan neck ABIMIG® MT 355 T8M; straight		1308
014.H129.5	Contact tip holder D17/M8/53 for slip-on gas nozzle	5 Pcs.	1533
014.H194.5	Contact tip holder D17/M8/51 cpl.; for pluggable gas nozzle XX7	5 Pcs.	1533
014.H279.1	Coupling nut M22x1.5		1595
014.H281.10	Protection cap (split) D=14 for round-neck nut	10 Pcs.	1595
014.H282.10	Protective cab (split) D=16 for round-neck nut	10 Pcs.	1595
014.H283.10	Protective cab (split) D=18 for round-neck nut	10 Pcs.	1595
014.H354.1	Torch pipe connection M22x1.5 / M10x1		1595
014.H356.1	Swan neck ABIMIG® A 305 LW; 45° bent		1308
014.H363.1	Swan neck ABIMIG® A 355 LW; 45° bent		1308
014.H370.1	Swan neck ABIMIG® A T 305/355 T8M; 45°; X=185; Y=95		1308
014.H374.1	Swan neck ABIMIG® A T 305/355 TM; 45°; X=350; Y=95		1308
014.H380.1	Swan neck ABIMIG® A T 305/355 TM; 45°; X=500, Y=95		1308
014.H387.1	Swan neck ABIMIG® A T 307/357K TM; 45°; X=160, Y=85; gas nozzle mated		1308
014.H388.1	Swan neck ABIMIG® A T 307/357 TM; 45°; X=185, Y=95; gas nozzle mated		1308
014.H389.1	Swan neck ABIMIG® A T 307/357 T8M; 45°; X=185, Y=95; gas nozzle mated		1308
014.H390.1	ABIMIG® A T 355 LW; TM45°; central adaptor KZ-2; 3.00 m		1324
014.H391.1	ABIMIG® A T 355 LW; TM45°; central adaptor KZ-2; 4.00 m		1324
014.H392.1	ABIMIG® A T 355 LW; TM45°; central adaptor KZ-2; 5.00 m		1324
014.H398.1	Swan neck ABIMIG® A T 357 TM; 45°; X=500, Y=95; gas nozzle mated		1326
014.H399.1	Swan neck ABIMIG® A T 357 T8M; 45°; X=500; Y=95; gas nozzle mated		1326
014.H403.1	Swan neck ABIMIG® A T 305K TM; 45°, X=130; Y=85		1308
014.H409.1	Swan neck ABIMIG® A T 307K TM; 45°; X=135, Y=85; gas nozzle mated		1308
014.H413.1	Swan neck ABIMIG® A T 305/355 TM; 60°; X=165, Y=110		1308
014.H415.1	Swan neck ABIMIG® A T 305/355 T8M; 60°, X=165; Y=110		1308
014.H544.1	ABIMIG® A T G 355 LW; central adaptor KZ-2; 3.00 m		1326
014.H545.1	ABIMIG® A T G 355 LW; central adaptor KZ-2; 4.00 m		1326
014.H546.1	ABIMIG® A T G 355 LW; central adaptor KZ-2; 5.00 m		1326
014.H555.1	Swan neck ABIMIG® A T 355 T8M; 45°; X=350, Y=95		1308
014.H560.1	Swan neck ABIMIG® A T 355 T8M; 45°; X=500, Y=95		1308
014.H583.1	Swan neck ABIMIG® A T 305K T8M; 45°; X=135, Y=75		1308
014.H587.1	Swan neck ABIMIG® A T 307K T8M; 45; X=135, Y=85; gas nozzle mated		1308
014.H588.1	Swan neck ABIMIG® A T 305/355K T8M; 45°; X=0160, Y=85		1308
014.H592.1	Swan neck ABIMIG® A T 307/357K T8M; 45°; X=160, Y=85; gas nozzle mated		1308
014.H594.1	Swan neck ABIMIG® A T 307/357K TM; 45°; X=165, Y=110; gas nozzle mated		1308
014.H595.1	Swan neck ABIMIG® A T 307/357 T8M; 60°; X=165; Y=110; gas nozzle mated		1308
014.H596.1	Swan neck ABIMIG® A T 307/357K T8M; 45°; X=165, Y=110; gas nozzle mated		1308

# Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
014.H597.1	Swan neck ABIMIG® A T 357 T8M; 45°; X=360, Y=95; gas nozzle mated		1308
015.0088.1	COMBI swan neck A T 405 K T8M cpl.; 45°; X=185; Y=95; gas nozzle screwed		1308
015.0089.1	COMBI swan neck A T 405 T8M cpl.; 45°; X=210; Y=95; gas nozzle screwed		1308
015.D070.1	ABIMIG® A T 405 LW; T8M45°; central adaptor KZ-2; 3.00 m		1324
015.D071.1	ABIMIG® A T 405 LW; T8M45°; central adaptor KZ-2; 4.00 m		1324
015.D072.1	ABIMIG® A T 405 LW; T8M45°; central adaptor KZ-2; 5.00 m		1324
015.D080.5	Head insulation	5 Pcs.	1595
015.D081.5	Spacer	5 Pcs.	1595
015.D082.1	Swan neck ABIMIG® A 405 LW; 45° bent		1308
015.D089.1	Swan neck ABIMIG® A T 407 T8M; 45°; X=210; Y=95; gas nozzle mated		1308
015.D114.1	ABIMIG® A T G 405 LW; central adaptor KZ-2; 3.00 m		1326
015.D115.1	ABIMIG® A T G 405 LW; central adaptor KZ-2; 4.00 m		1326
015.D116.1	ABIMIG® A T G 405 LW; central adaptor KZ-2; 5.00 m		1326
015.D117.1	Swan neck ABIMIG® A T 405K T8M; 45°; X=185; Y=95; gas nozzle screwed		1308
015.D123.1	Swan neck ABIMIG® A T 405K T8M; 45°; X=195; Y=95; gas nozzle mated		1308
016.D225	Swan neck ABIMIG® MT 455 T8M; 45° bent		1308
016.D250	Swan neck ABIMIG® MT 455 T8M; straight		1508
016.D392.1	Torch pipe connection M22x1.5 / M14x1		1595
018.0001	Swan neck MB 26 KD; 50° bent		1014
018.0062	MB 26 KD; ERGO; central adaptor KZ-2; 3.00 m		1015
018.0063	MB 26 KD; ERGO; central adaptor KZ-2; 4.00 m		1015
018.0064	MB 26 KD; ERGO; central adaptor KZ-2; 5.00 m		1015
018.0116	Gas diffuser, white	10 Pcs.	1032
018.0141	Gas diffuser, ceramic	10 Pcs.	1032
018.0146	MB 26 KD GRIP; central adaptor KZ-2; 3.00 m		1016
018.0147	MB 26 KD GRIP; central adaptor KZ-2; 4.00 m		1016
018.0148	MB 26 KD GRIP; central adaptor KZ-2; 5.00 m		1016
018.0191.1	COMBI swan neck A T 305 T8 FLEX cpl.; X=260; gas nozzle screwed		1308
018.D801	Swan neck ABIMIG® A T 305 T8 FLEX; X=260		1308
018.D960.1	ABIMIG® A T 305 LW; TM45°; central adaptor KZ-2; 3.00 m		1324
018.D961.1	ABIMIG® A T 305 LW; TM45°; central adaptor KZ-2; 4.00 m		1324
018.D962.1	ABIMIG® A T 305 LW; TM45°; central adaptor KZ-2; 5.00 m		1324
018.D978.1	ABIMIG® A T G 305 LW; central adaptor KZ-2; 3.00 m		1326
018.D979.1	ABIMIG® A T G 305 LW; central adaptor KZ-2; 4.00 m		1326
018.D980.1	ABIMIG® A T G 305 LW; central adaptor KZ-2; 5.00 m		1326
023.0001	Swan neck MB 240 D; 50° bent		1009
023.0077	MB 240 D; ERGO; central adaptor WZ-2; 3.00 m		1017
023.0078	MB 240 D; ERGO; central adaptor WZ-2; 4.00 m		1017
023.0079	MB 240 D; ERGO; central adaptor WZ-2; 5.00 m		1017
023.0225	MB 240 D GRIP; central adaptor WZ-2; 3.00 m		1018
023.0226	MB 240 D GRIP; central adaptor WZ-2; 4.00 m		1018
023.0227	MB 240 D GRIP; central adaptor WZ-2; 5.00 m		1018
023.0228	Swan neck MB GRIP 240 D; 50° bent		1009
024.0030	Outer cover		1095
030.0001	Swan neck MB 401; 50° bent		1009
030.0019	Insulator	20 Pcs.	1095
030.0037	Gas diffuser, long life	10 Pcs.	1032
030.0125	MB 401; ERGO; central adaptor WZ-2; 3.00 m		1017
030.0126	MB 401; ERGO; central adaptor WZ-2; 4.00 m		1017
030.0127	MB 401; ERGO; central adaptor WZ-2; 5.00 m		1017

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
030.0145	Gas diffuser, white	10 Pcs.	1032
030.0190	Gas diffuser, ceramic	10 Pcs.	1032
030.0205	MB 401 GRIP; central adaptor WZ-2; 3.00 m		1018
030.0206	MB 401 GRIP; central adaptor WZ-2; 4.00 m		1018
030.0207	MB 401 GRIP; central adaptor WZ-2; 5.00 m		1018
030.0208	Swan neck MB GRIP 401; 50° bent		1009
032.0002	Swan neck MB 501; 50° bent		1009
032.0145	MB 501; ERGO; central adaptor WZ-2; 3.00 m		1017
032.0146	MB 501; ERGO; central adaptor WZ-2; 4.00 m		1017
032.0147	MB 501; ERGO; central adaptor WZ-2; 5.00 m		1017
032.0231	MB 501 GRIP; central adaptor WZ-2; 3.00 m		1018
032.0232	MB 501 GRIP; central adaptor WZ-2; 4.00 m		1018
032.0233	MB 501 GRIP; central adaptor WZ-2; 5.00 m		1018
032.0234	Swan neck MB GRIP 501; 50° bent		1009
033.0001	Swan neck MB 401 D; 50° bent		1009
033.0107	MB 401 D; ERGO; central adaptor WZ-2; 3.00 m		1017
033.0108	MB 401 D; ERGO; central adaptor WZ-2; 4.00 m		1017
033.0109	MB 401 D; ERGO; central adaptor WZ-2; 5.00 m		1017
033.0271	MB 401 D GRIP; central adaptor WZ-2; 3.00 m		1018
033.0272	MB 401 D GRIP; central adaptor WZ-2; 4.00 m		1018
033.0273	MB 401 D GRIP; central adaptor WZ-2; 5.00 m		1018
033.0277	Swan neck MB GRIP 401 D; 50° bent		1009
034.0001	Swan neck MB 501 D; 50° bent		1009
034.0160	MB 501 D; ERGO; central adaptor WZ-2; 3.00 m		1017
034.0161	MB 501 D; ERGO; central adaptor WZ-2; 4.00 m		1017
034.0162	MB 501 D; ERGO; central adaptor WZ-2; 5.00 m		1017
034.0492	MB 501 D GRIP; central adaptor WZ-2; 3.00 m		1018
034.0493	MB 501 D GRIP; central adaptor WZ-2; 4.00 m		1018
034.0494	MB 501 D GRIP; central adaptor WZ-2; 5.00 m		1018
034.0496	Swan neck MB GRIP 501 D; 50° bent		1009
035.0001	Swan neck RB 610 D; 35° bent		1009
035.0002	Swan neck RB 610 D; straight		1009
035.0025	RB 610 D; industrial handle; central adaptor RWZ-2; 4.00 m		1002
035.0032	RP 610 D; handle pistole-type; central adaptor RWZ-2; 3.00 m		1002
035.0034	RP 610 D; handle pistole-type; central adaptor RWZ-2; 4.00 m		1002
035.0037	RB 610 D; industrial handle; central adaptor RWZ-2; 3.00 m		1002
039.0001	Swan neck MB 602; 50° bent		1009
039.0008	Gas diffuser	10 Pcs.	1032
039.0023	MB 602; industrial handle; central adaptor WZ-2; 3.00 m		1002
039.0025	MB 602; industrial handle; central adaptor WZ-2; 4.00 m		1002
039.0037	MB 602; industrial handle; central adaptor WZ-2; 5.00 m		1002
039.0090	Gas diffuser, ceramic	10 Pcs.	1032
079.0003	Sheet metal screw 2.9x6.5	20 Pcs.	9010
080.0009	Printed circuit board for 42 V motor		1095
085.0016	Potentiometerhousing cpl.		1095
085.0017	Handle cpl. incl. mounting screws and extension material		1095
085.0018	Pressure trigger cpl.		1095
085.0019	Torch adaptor cpl.		1095
085.0029	Wear parts set gasket rings		1095
085.0040	Cable assembly cpl. 8.00 m with 7-pol. control leads without central adaptor GZ-2		1095



# Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
085.0041	Potentiometer knob cpl.		1095
085.0042	Pressure roll		1095
085.0043	Pressure button cpl.		1095
085.0102.1	Gear motor 24 V DC		1095
085.0103.1	Gear motor 40 V DC		1095
085.0104.1	Push-Pull Plus 36 D; straight; 40 V motor; central adaptor GZ-2; 8.00 m		1029
085.0105.1	Push-Pull Plus 36 D; 45° bent; 40 V motor; central adaptor GZ-2; 8.00 m		1029
085.0106.1	Push-Pull Plus 36 D; straight; 40 V motor; poti 10 k-Ohm, central adaptor GZ-2; 8.00 m		1029
085.0107.1	Push-Pull Plus 36 D; 45° bent; 40 V motor; poti 10 k-Ohm, central adaptor GZ-2; 8.00 m		1029
085.0113.5	Knurled screw M4	5 Pcs.	1095
085.0116.1	Swan neck Push-Pull Plus 36 D; straight		1014
085.0117.1	Swan neck Push-Pull Plus 36 D; 45° bent		1014
095.0001	Wear parts set gasket rings		1095
095.0002	Swan neck PP Plus 401 D; straight		1009
095.0009	Cover cpl.		1095
095.0015	Swan neck PP Plus 401 D; 45° bent		1009
095.0031	Cable assembly cpl. 8.00 m with 7-pol. control leads without central adaptor GZ-2		1095
095.0032	Torch adaptor cpl.		1095
095.0040.1	Swan neck Push-Pull Plus 240 D; straight		1009
095.0052.1	Swan neck Push-Pull Plus 240 D; 45° bent		1009
095.0064.1	Wire feed roll ST / AL 0.8 / 0.8 mm		1095
095.0065.1	Wire feed roll ST / AL 1.0 / 1.0 mm		1095
095.0066.1	Wire feed roll ST / AL 1.2 / 1.2 mm		1095
095.0067.1	Wire drive roll 1.6/1.6 PP Plus / universal / D-form		1095
095.0072.1	Cover cpl.		1095
095.0100.1	Push-Pull Plus 401 D; straight; 40 V motor; central adaptor WZ-2; 8.00 m		1029
095.0101.1	Push-Pull Plus 401 D; 45° bent; 40 V motor; central adaptor WZ-2; 8.00 m		1029
095.0110.1	Push-Pull Plus 240 D; straight; 40 V motor; central adaptor WZ-2; 8.00 m		1029
095.0111.1	Push-Pull Plus 240 D; 45° bent; 40 V motor; central adaptor WZ-2; 8.00 m		1029
095.0114.1	Push-Pull Plus 401 D; straight; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		1029
095.0115.1	Push-Pull Plus 401 D; 45° bent; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		1029
095.0119.1	Push-Pull Plus 240 D; straight; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		1029
095.0120.1	Push-Pull Plus 240 D; 45° bent; 40 V motor; poti 10 k-Ohm, central adaptor WZ-2; 8.00 m		1029
100.0019	Control cable 2-pole	200 m	4050
100.0034	Control lead 7-pole; 0,34 qmm (100 m)	100 m	4050
101.0054	Control lead cpl. 4-pole (0.4 m)		1095
103.0108	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		1095
103.0114	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		1095
105.0005	Outer cover rubber Ø 20x1.5	40 m	4050
107.0004	Outer cover fabric Ø 25x1.5	40 m	4050
107.0044	Outer cover with cable support Ø 25x1.5 for 4.00 m		1095
107.0055	Outer cover Ø 28x1.5	40 m	4050
107.0079	Outer cover with cable support Ø 25x1.5 for 3.00 m		1095
107.0080	Outer cover with cable support Ø 25x1.5 for 5.00 m		1095
107.0091	Fabrics hose 28x1.5 mm (40 m)	40 m	4050
109.0040	Hose 30 black Ø 4.9x1.5	100 m	4050
109.0043	Hose 33 black LW 32 R	30 m	4050
109.0044	Hose 34 black LW 38 R	30 m	4050
109.0052	Hose 42 RBH black; Ø 5.5x1.5	40 m	4050
109.0056	Hose 46 red Ø 5.5x1.5	100 m	4050

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
109.0057	Hose 47 blue Ø 5.5x1.5	100 m	4050
110.0053.10	Protective tube NW 9.9	10 Pcs.	1095
110.D023	Protective tube 4.5x0.5, L=60 mm		1595
115.0043	Power cable Push Pull (PVC) for 8.00 m		1012
115.0065	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		1012
115.0070	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		1012
115.0074	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		1012
115.0404	Power cable MB / RB (RBH) for 3.00 m		1012
115.0405	Power cable MB / RB (RBH) for 4.00 m		1012
115.0406	Power cable MB / RB (RBH) for 5.00 m		1012
115.0581	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 3.00 m		1012
115.0582	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 4.00 m		1012
115.0583	Power cable ABIMIG® GRIP / RAB GRIP (PVC) for 5.00 m		1012
118.0074	Power cable cpl. Type 35		1012
122.0005	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 3.00 m		1034
122.0007	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 4.00 m		1034
122.0009	Guide spiral liner blank; 1.5/4.0; for wire Ø 0.8; for 5.00 m		1034
122.0031	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 3.00 m		1034
122.0036	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 4.00 m		1034
122.0039	Guide spiral liner blank; 2.0/4.5; for wire Ø 1.0-1.2; for 5.00 m		1034
122.0040	Guide spiral liner blank; 2.0/4.5; for wire Ø 0.8-1.2; for 8.00 m		1034
122.0056	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 3.00 m		1034
122.0060	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 4.00 m		1034
122.0063	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.6; for 5.00 m		1034
122.0065	Guide spiral liner blank; 2.5/4.5; for wire Ø 1.4-1.6; for 8.00 m		1034
122.0066	Guide spiral liner blank; Ø 2.8/6.3 mm; for 3.00 m		1034
122.0067	Guide spiral liner blank; Ø 2.8/6.3 mm; for 4.00 m		1034
122.0073	Guide spiral liner blank 3.5/4.9; for wire Ø 2.0-2.4; for 3.00 m		1034
122.0075	Guide spiral liner blank 3.5/4.9; for wire Ø 2.0-2.4; for 4.00 m		1034
122.0076	Guide spiral liner blank 3.5/4.9; for wire Ø 2.0-2.4; for 5.00 m		1034
122.0079	Guide spiral liner blank; Ø 3.5/7.0 mm; for 3.00 m		1034
122.0080	Guide spiral liner blank; Ø 3.5/7.0 mm; for 4.00 m		1034
122.0083	Guide spiral liner blank; Ø 4.5/7.0 mm; for 3.00 m		1034
122.0084	Guide spiral liner blank; Ø 4.5/7.0 mm; for 4.00 m		1034
122.D037	Neck liner 1.5; for wire Ø 0.6-1.0; for ABIMIG® T-Line		1534
122.D038	Neck liner 2.0; for wire Ø 1.0-1.2; for ABIMIG® T-Line		1534
122.D039	Neck liner 2.5; for wire Ø 1.2-1.4; for ABIMIG® T-Line		1534
122.D040	Neck liner 1.6; brass; for wire Ø 0.6-1.0; for ABIMIG® T-Line		1534
122.D041	Neck liner 2.2; brass; for wire Ø 1.0-1.4; for ABIMIG® T-Line		1534
122.D045	Neck liner 2.7; for wire Ø 1.2-1.6; for ABIMIG® T-Line		1534
122.D077	Neck liner 1.9; for wire Ø 1.0-1.2; for ABIMIG® T-Line		1534
122.D078	Neck liner 2.2; for wire Ø 1.4-1.6; for ABIMIG® T-Line		1534
124.0011	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 3.00 m		1034
124.0012	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 4.00 m		1034
124.0015	Guide spiral liner insulated; 1.5/4.5; blue; for wire Ø 0.6-0.8; for 5.00 m		1034
124.0016	Guide spiral liner insulated; 1.5/4.5; blue; wire-Ø 0.6-0.8; for 6.00 m		1034
124.0026	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		1034
124.0031	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		1034
124.0035	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		1034
124.0036	Guide spiral liner insulated; 2.0/4.5; red; wire-Ø 1.0-1.2; for 6.00 m		1034

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
124.0041	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 3.00 m		1034
124.0042	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 4.00 m		1034
124.0044	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.4-1.6; for 5.00 m		1034
124.0045	Guide spiral liner insulated; 2.5/4.5; yellow; wire Ø 1.4-1.6; for 6.00 m		1034
124.0111	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		1334
124.0112	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		1334
124.0113	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		1334
124.0114	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 3.00 m		1334
124.0115	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 4.00 m		1334
124.0116	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 5.00 m		1334
124.0137	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.8; for 3.00 m		1334
124.0138	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.8; for 4.00 m		1334
124.0139	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.8; for 5.00 m		1334
124.0169	Guide spiral liner insulated; 2.0/4.5; for wire Ø 0.8-1.2; for 8.00 m		1034
124.D113	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 3.00 m		1534
124.D114	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 4.00 m		1534
124.D115	Guide spiral liner insulated; 1.9/5.5; red; for wire Ø 1.0-1.2; for 5.00 m		1534
124.D116	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 3.00 m		1534
124.D117	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 4.00 m		1534
124.D118	Guide spiral liner insulated; 2.2/6.0; white; for wire Ø 1.4-1.6; for 5.00 m		1534
124.D119	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 3.00 m		1534
124.D120	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 4.00 m		1534
124.D121	Guide spiral liner insulated; 3.0/6.4; blue; for wire Ø 2.0-2.4; for 5.00 m		1534
124.D144.1	Guide spiral liner insulated; 2.2/6.0; white; wire Ø 1.4-1.6; for 6.00 m		1534
124.D156.1	Guide spiral liner insulated; 2.0/5.5; red; wire Ø 1.0-1.2; for 6.00 m		1534
124.D157.1	Guide spiral liner insulated; 3.0/6.4; blue; wire Ø 2.0-2.4; for 6.00 m		1534
125.D001.1	PTFE carbon core liner 2.0/4.0; wire-Ø 1.0-1.2; L=350 mm		1534
126.0005	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		1034
126.0008	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		1034
126.0011	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		1034
126.0013	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.6-1.0; for 8.00 m		1034
126.0021	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		1034
126.0026	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		1034
126.0028	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		1034
126.0030	PTFE core liner 2.0/4.0; red; wire electrode Ø 0.8-1.2; for 8.00 m		1034
126.0039	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		1034
126.0042	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		1034
126.0045	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		1034
126.0047	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.4-1.6; for 8.00 m		1034
126.0069	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 3.00 m		1334
126.0070	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 4.00 m		1334
126.0071	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 5.00 m		1334
126.0072	Plastic core liner; 2.4; petrol; for wire Ø 1.6; for 3.00 m		1334
126.0073	Plastic core liner; 2.4; petrol; for wire Ø 1.6; for 4.00 m		1334
126.0074	Plastic core liner; 2.4; petrol; for wire Ø 1.6; for 5.00 m		1334
126.D026.1	Combined wire guide cpl.P; wire Ø 1.0; for 3.00 m		1534
126.D027.1	Combined wire guide cpl.P; wire Ø 1.0; for 4.00 m		1534
126.D028.1	Combined wire guide cpl.P; wire Ø 1.0; for 5.00 m		1534
126.D029.1	Combined wire guide cpl.P; wire Ø 1.2-1.4; for 3.00 m		1534
126.D030.1	Combined wire guide cpl.P; wire Ø 1.2-1.4; for 4.00 m		1534

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
126.D031.1	Combined wire guide cpl.P; wire Ø 1.2-1.4; for 5.00 m		1534
126.D058.1	Combined wire guide P; wire-Ø 1.0-1.2; for 6.00 m		1534
127.0002	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		1034
127.0003	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		1034
127.0004	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		1034
127.0005	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		1034
127.0007	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		1034
127.0008	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		1034
127.0009	PTFE carbon core liner 2.0/4.0; wire electrode Ø 0.8-1.2; for 8.00 m		1034
127.0010	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		1034
127.0012	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		1034
127.0013	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		1034
127.0014	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.4-1.6; for 8.00 m		1034
127.0015	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.6-1.0; for 8.00 m		1034
128.0019	Polyamid core liner 2.0/4.0; wire electrode Ø 0.8-1.2; for 8.00 m		1034
128.0023	Polyamid core liner 2.3/4.7; wire electrode Ø 1.4-1.6; for 8.00 m		1034
128.M002	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		1034
128.M003	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		1034
128.M004	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		1034
129.0107	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 1000 mm)		1095
129.0164	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 200 mm)	5 Pcs.	1095
129.0187	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 300 mm)	10 Pcs.	1095
129.0189	Capillary tube for wire Ø 1.0 mm (Ø = 1.5x 5.0 mm / length = 500 mm)	10 Pcs.	1095
129.0227	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 1000 mm)	5 Pcs.	1095
129.0313	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 200 mm)	10 Pcs.	1095
129.0357	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 300 mm)	5 Pcs.	1095
129.0361	Capillary tube for wire Ø 1.6 mm (Ø = 2.0x 5.0 mm / length = 500 mm)	10 Pcs.	1095
129.0366	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 1000 mm)	5 Pcs.	1095
129.0395	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 200 mm)	5 Pcs.	1095
129.0411	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 300 mm)	5 Pcs.	1095
129.0412	Capillary tube for wire Ø 2.0 mm and 2.4 mm (Ø = 3.0x 5.0 / length = 500 mm)	5 Pcs.	1095
129.0426	Guide tube for core liners up to Ø 4.0 (1000 mm)	5 Pcs.	1095
129.0461	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	1095
129.0471	Guide tube for core liners up to Ø 4.0 (300 mm)	5 Pcs.	1095
129.0473	Guide tube for core liners up to Ø 4.0 (500 mm)	5 Pcs.	1095
131.0001	Nipple for core liner at Ø 4.0	20 Pcs.	1095
131.0002	Nipple for core liner at Ø 4.7	20 Pcs.	1095
140.0008	Contact tip M6 E-Cu; Ø 0.6 (6x25)	10 Pcs.	1030
140.0051	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	1030
140.0054	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	1031
140.0059	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	1030
140.0062	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	1031
140.0114	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	1030
140.0117	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	1031
140.0242	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	1030
140.0245	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	1031
140.0253	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	1030
140.0256	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	1031
140.0313	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	1030
140.0316	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	1031

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
140.0348	Contact tip M10 CuCrZr; Ø 1.0 (12x35)	10 Pcs.	1031
140.0379	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	1030
140.0382	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	1031
140.0387	Contact tip M6 E-Cu; Ø 1.2 (6x25)	10 Pcs.	1030
140.0390	Contact tip M6 CuCrZr; Ø 1.2 (6x25)	10 Pcs.	1031
140.0442	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	1030
140.0445	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	1031
140.0481	Contact tip M10 CuCrZr; Ø 1.2 (12x35)	10 Pcs.	1031
140.0516	Contact tip M6 E-Cu; Ø 1.4 (8x28)	10 Pcs.	1030
140.0519	Contact tip M6 CuCrZr; Ø 1.4 (8x28)	10 Pcs.	1031
140.0533	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 Pcs.	1030
140.0536	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 Pcs.	1031
140.0555	Contact tip M6 E-Cu; Ø 1.6 (8x28)	10 Pcs.	1030
140.0558	Contact tip M6 CuCrZr; Ø 1.6 (8x28)	10 Pcs.	1031
140.0587	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	1030
140.0590	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	1031
140.0616	Contact tip M10 CuCrZr; Ø 1.6 (12x35)	10 Pcs.	1031
140.0653	Contact tip M8 E-Cu; Ø 2.0 (10x30)	10 Pcs.	1030
140.0656	Contact tip M8 CuCrZr; Ø 2.0 (10x30)	10 Pcs.	1031
140.0665	Contact tip M10 CuCrZr; Ø 2.0 (12x35)	10 Pcs.	1031
140.0677	Contact tip M8 E-Cu; Ø 2.4 (10x30)	10 Pcs.	1030
140.0679	Contact tip M8 CuCrZr; Ø 2.4 (10x30)	10 Pcs.	1031
140.0698	Contact tip M10 CuCrZr; Ø 2.4 (12x35)	10 Pcs.	1031
140.0712	Contact tip M10 CuCrZr; Ø 2.8 (12x35)	10 Pcs.	1031
140.0734	Contact tip M10 CuCrZr; Ø 3.2 (12x35)	10 Pcs.	1031
140.0855	Contact tip M6 CuCrZr; Ø 0.6 (6x25)	10 Pcs.	1031
140.1312	Contact tip CuCrZr; Ø 1.0 (9.9x38)	10 Pcs.	1031
140.1313	Contact tip CuCrZr; Ø 1.2 (9.9x38)	10 Pcs.	1031
140.1315	Contact tip CuCrZr; Ø 1.6 (9.9x38)	10 Pcs.	1031
140.1318	Contact tip CuCrZr; Ø 1.0 (9.9x32)	10 Pcs.	1031
140.1319	Contact tip CuCrZr; Ø 1.2 (9.9x32)	10 Pcs.	1031
140.1321	Contact tip CuCrZr; Ø 1.6 (9.9x32)	10 Pcs.	1031
140.1542.10	Contact tip M10 E-Cu; Ø 1.0 (12x35)	10 Pcs.	1030
140.1543.10	Contact tip M10 E-Cu; Ø 1.2 (12x35)	10 Pcs.	1030
140.1544.10	Contact tip M10 E-Cu; Ø 1.6 (12x35)	10 Pcs.	1030
141.0001	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	1030
141.0002	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	1030
141.0003	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	1030
141.0006	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	1030
141.0007	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	1030
141.0008	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	1030
141.0010	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	1030
141.0011	Contact tip M6 E-Cu; Ø 1.2 for alu wire (6x25)	10 Pcs.	1030
141.0015	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	1030
141.0020	Contact tip M6 E-Cu; Ø 1.6 for alu wire (8x28)	10 Pcs.	1030
141.0022	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	1030
141.0033	Contact tip M8 E-Cu; Ø 2.0 for alu wire (10x30)	10 Pcs.	1030
141.0035	Contact tip M8 E-Cu; Ø 2.4 for alu wire (10x30)	10 Pcs.	1030
141.0055	Contact tip M8 E-Cu; Ø 1.4 for alu wire (10x30)	10 Pcs.	1030
142.0001	Contact tip holder M6; 35.0 mm	10 Pcs.	1033

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
142.0003	Contact tip holder M6; 26.0 mm	10 Pcs.	1033
142.0005	Contact tip holder M6; 28.0 mm (short)	10 Pcs.	1033
142.0007	Contact tip holder M6; 22.0 mm (short)	10 Pcs.	1033
142.0008	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	1033
142.0010	Contact tip holder M6; 28.0 mm	10 Pcs.	1033
142.0011	Contact tip holder M6; 32.0 mm (long)	10 Pcs.	1033
142.0012	Contact tip holder M6; 25.0 mm (long)	10 Pcs.	1033
142.0013	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	1033
142.0020	Contact tip holder M8; 28.0 mm (short)	10 Pcs.	1033
142.0022	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	1033
142.0023	Contact tip holder M8; 24.0 mm	10 Pcs.	1033
142.0024	Contact tip holder M8; 34.0 mm (long)	10 Pcs.	1033
142.0026	Contact tip holder M8; 25.0 mm (long)	10 Pcs.	1033
142.0027	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	1033
142.0032	Contact tip holder M10; 40.0 mm	10 Pcs.	1033
142.0082	Contact tip holder M8; 22.0 mm (short)	10 Pcs.	1033
142.0201.10	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	1033
142.0202.10	Contact tip holder M10; 29.0 mm; CuCrZr	10 Pcs.	1033
145.0041	Gas nozzle; cylindrical; ND Ø 16.0	10 Pcs.	1036
145.0042	Gas nozzle; cylindrical; ND Ø 18.0	10 Pcs.	1036
145.0045	Gas nozzle; cylindrical; ND Ø 19.0	10 Pcs.	1037
145.0047	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	1036
145.0048	Gas nozzle; cylindrical; ND Ø 23.0	10 Pcs.	1037
145.0051	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	1037
145.0052	Gas nozzle; cylindrical; ND Ø 21.0	10 Pcs.	1037
145.0061	Gas nozzle; cylindrical with extended insulation; ND Ø 18.0	10 Pcs.	1036
145.0062	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	1036
145.0067	Gas nozzle; cylindrical with extended insulation; ND Ø 16.0	10 Pcs.	1036
145.0072	Gas nozzle; cylindrical; heavy duty; ND Ø 15.0	10 Pcs.	1036
145.0075	Gas nozzle; conical; ND Ø 12.0	10 Pcs.	1036
145.0076	Gas nozzle; conical; ND Ø 15.0	10 Pcs.	1036
145.0078	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	1037
145.0080	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	1036
145.0081	Gas nozzle; conical; ND Ø 20.0	10 Pcs.	1037
145.0085	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	1037
145.0086	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	1037
145.0088	Gas nozzle; conical; ND Ø 18.0	10 Pcs.	1037
145.0100	Gas nozzle; conical; with extended insulation; ND Ø 15.0	10 Pcs.	1036
145.0101	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	1036
145.0107	Gas nozzle; conical; with extended insulation; ND Ø 12.0	10 Pcs.	1036
145.0116	Gas nozzle; conical; heavy duty; ND Ø 11.0	10 Pcs.	1036
145.0123	Gas nozzle; tapered; ND Ø 9.5	10 Pcs.	1036
145.0124	Gas nozzle; tapered; ND Ø 11.5	10 Pcs.	1036
145.0126	Gas nozzle; tapered; ND Ø 12.0	10 Pcs.	1037
145.0128	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	1036
145.0132	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	1037
145.0133	Gas nozzle; tapered; ND Ø 15.5	10 Pcs.	1037
145.0168	Spot weld gas nozzle; ND Ø 16.0	10 Pcs.	1036
145.0169	Spot weld gas nozzle; ND Ø 18.0	10 Pcs.	1036
145.0172	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	1037

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
145.0174	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	1036
145.0179	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	1037
145.0180	Spot weld gas nozzle; ND Ø 21.0	10 Pcs.	1037
145.0186	Spot weld gas nozzle for pin-welding; ND Ø 16.0	10 Pcs.	1036
145.0432	Gas nozzle; tapered, with extended insulation; ND Ø 13.0	10 Pcs.	1036
145.0669	Gas nozzle; conical; ND Ø 17.0	10 Pcs.	1337
145.0678.10	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	1337
145.D001	Gas nozzle M12; ND 12; galvanized; conical L=52 mm	5 Pcs.	1536
145.D002	Gas nozzle M12; NW 10; galvanized; conical L=50 mm	5 Pcs.	1536
145.D003	Gas nozzle M12; ND 17; galvanized; cylindrical L=52 mm	5 Pcs.	1536
145.D004	Gas nozzle M12; ND 12; galvanized; conical L=54 mm	5 Pcs.	1536
145.D006	Gas nozzle M12; NW 10; galvanized; conical L=52 mm	5 Pcs.	1536
145.D009	Spot weld gas nozzle M12; NW 17; galvanized; L=67 mm	5 Pcs.	1536
145.D011	Gas nozzle M14; ND 16; galvanized	5 Pcs.	1536
145.D012	Gas nozzle M14; ND 14; galvanized; conical L=67 mm	5 Pcs.	1536
145.D013	Gas nozzle M14; NW 12; galvanized; conical L=67 mm	5 Pcs.	1536
145.D014	Gas nozzle M14; ND 18 galvanized; cylindrical L=67 mm	5 Pcs.	1536
145.D015	Gas nozzle M14; NW 12; galvanized; conical L=70 mm	5 Pcs.	1536
145.D016	Gas nozzle M14; NW 14; galvanized; conical L=70 mm	5 Pcs.	1536
145.D019	Spot weld gas nozzle M14; NW 18; galvanized; L=87 mm; with extended insulation	5 Pcs.	1536
145.D021	Gas nozzle M16; ND 18; galvanized; conical L=72 mm	5 Pcs.	1537
145.D022	Gas nozzle M16; ND 16 galvanized; conical L=69 mm	5 Pcs.	1537
145.D023	Gas nozzle M16; NW 14; galvanized; conical L=69 mm	5 Pcs.	1537
145.D024	Gas nozzle M16; ND 21 galvanized; cylindrical	5 Pcs.	1537
145.D025	Gas nozzle M16; NW 12; galvanized; conical L=72 mm	5 Pcs.	1537
145.D026	Gas nozzle M16; NW 16; galvanized; conical L=72 mm	5 Pcs.	1537
145.D028	Spot weld gas nozzle M16; NW 21; galvanized; L=91 mm		1537
145.D036	Gas nozzle M16; NW 18; galvanized; conical L=72 mm	5 Pcs.	1537
145.D190	Gas nozzle M14; NW 16; blank; conical L=70 mm	5 Pcs.	1536
145.D194	Gas nozzle M16; ND 18 blank; with extended insulation	5 Pcs.	1537
145.D195	Gas nozzle M14; ND 16 blank; with extended insulation	5 Pcs.	1536
145.D205	Gas nozzle M12; ND 12 blank; conical with extended insulation L=52 mm	5 Pcs.	1536
145.D217	Gas nozzle M16; ND 15 blank; with extended insulation	5 Pcs.	1537
145.D267	Gas nozzle M16; NW 10; galvanized; conical L=69 mm	5 Pcs.	1537
145.D268	Gas nozzle M14; NW 10; galvanized; conical L=67 mm	5 Pcs.	1537
145.D353	Gas nozzle M16; NW 21; galvanized; cylindrical L=72 mm; with extended insulation	5 Pcs.	1537
145.D375.5	Gas nozzle (slip-on) D15; ND 16 galvanized	5 Pcs.	1537
145.D378.5	Gas nozzle (slip-on) D15; ND 16 galvanized	5 Pcs.	1537
145.D438.5	Gas nozzle pluggable D17; NW 13; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	1537
145.D439.5	Gas nozzle pluggable D17; NW 18; galvanized; conical L=72 mm; with extended insulation	5 Pcs.	1537
145.D451.5	Gas nozzle pluggable D15; NW 12 galvanized; conical L=70 mm; with extended insulation	5 Pcs.	1537
145.D452.5	Gas nozzle pluggable D15; NW 14; galvanized; conical L=70 mm; with extended insulation	5 Pcs.	1537
146.0013	Nozzle insulator	10 Pcs.	1032
147.0054	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	1031
147.0062	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	1031
147.0117	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	1031
147.0245	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	1031
147.0256	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	1031
147.0316	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	1031
147.0382	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	1031

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
147.0390	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (6x25)	10 Pcs.	1031
147.0445	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	1031
147.0481	Contact tip M10 CuCrZr silver-plated; Ø 1.2 (12x35)	10 Pcs.	1031
147.0536	Contact tip M8 CuCrZr silver-plated; Ø 1.4 (10x30)	10 Pcs.	1031
147.0590	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	1031
147.0616	Contact tip M10 CuCrZr silver-plated; Ø 1.6 (12x35)	10 Pcs.	1031
147.0656	Contact tip M8 CuCrZr silver-plated; Ø 2.0 (10x30)	10 Pcs.	1031
147.0679	Contact tip M8 CuCrZr silver-plated; Ø 2.4 (10x30)	10 Pcs.	1031
147.5172.10	Contact tip M6 HDS silver-plated; Ø 0.9 (8x28)	10 Pcs.	5038
147.5245	Contact tip M6 HDS silver-plated; Ø 1.0 (8x28)	10 Pcs.	5038
147.5316	Contact tip M8 HDS silver-plated; Ø 1.0 (10x30)	10 Pcs.	5038
147.5382	Contact tip M6 HDS silver-plated; Ø 1.2 (8x28)	10 Pcs.	5038
147.5445	Contact tip M8 HDS silver-plated; Ø 1.2 (10x30)	10 Pcs.	5038
147.5536	Contact tip M8 HDS silver-plated; Ø 1.4 (10x30)	10 Pcs.	5038
147.5590	Contact tip M8 HDS silver-plated; Ø 1.6 (10x30)	10 Pcs.	5038
149.0260.3	Neckliner for wire Ø 0.8–1.0 mm (length=145 mm)	3 Pcs.	1034
149.0261.3	Neckliner for wire Ø 1.2–1.6 mm (length=145 mm)	3 Pcs.	1034
149.0262.3	Neckliner for wire Ø 0.8–1.0 mm (length=197 mm)	3 Pcs.	1034
149.0263.3	Neckliner for wire Ø 1.2–1.6 mm (length=197 mm)	3 Pcs.	1034
149.0264.3	Neckliner for wire Ø 0.8–1.0 mm (length=134 mm)	3 Pcs.	1034
149.0265.3	Neckliner for wire Ø 1.2–1.6 mm (length=134 mm)	3 Pcs.	1034
149.0266.3	Neckliner for wire Ø 0.8–1.0 mm (length=194 mm)	3 Pcs.	1034
149.0267.3	Neckliner for wire Ø 1.2–1.6 mm (length=194 mm)	3 Pcs.	1034
151.0010	Wire conduit RB cpl. black for 3.00 m		1012
151.0011	Wire conduit RB cpl. black for 4.00 m		1012
154.0002	Wire conduit RAB GRIP cpl. For 5.00 m		1012
154.0003	Wire conduit RAB GRIP cpl. For 3.00 m		1012
154.0004	Wire conduit RAB GRIP cpl. For 4.00 m		1012
155.0008	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 3.00 m		1012
155.0009	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 4.00 m		1012
155.0010	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 5.00 m		1012
155.0018	Wire conduit MB cpl. blue (wire Ø 1.6 onwards) for 3.00 m		1012
155.0020	Wire conduit MB cpl. blue (wire Ø 1.6 onwards) for 4.00 m		1012
155.0022	Wire conduit MB cpl. blue (wire Ø 1.6 onwards) for 5.00 m		1012
156.0019	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 3.00 m		1012
156.0023	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 4.00 m		1012
156.0026	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 5.00 m		1012
156.0040	Wire conduit MB cpl. red (up to wire Ø 1.2) for 3.00 m		1012
156.0042	Wire conduit MB cpl. red (up to wire Ø 1.2) for 4.00 m		1012
156.0045	Wire conduit MB cpl. red (up to wire Ø 1.2) for 5.00 m		1012
156.0273	Wire conduit cpl. for 8.00 m		1012
156.0275	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 3.00 m		1012
156.0276	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 4.00 m		1012
156.0277	Wire conduit ABIMIG® GRIP / MB GRIP cpl. for 5.00 m		1012
160.0128	Bikox® power cable MB ERGO, B5 for 3.00 m		1011
160.0142	Bikox® power cable MB ERGO, B5 for 4.00 m		1011
160.0155	Bikox® power cable MB ERGO, B5 for 5.00 m		1011
160.0239	Bikox® power cable MB ERGO, B6 for 3.00 m		1011
160.0255	Bikox® power cable MB ERGO, B6 for 4.00 m		1011
160.0267	Bikox® power cable MB ERGO, B6 for 5.00 m		1011



## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
160.0364	Bikox® power cable MB ERGO, B7 for 3.00 m		1011
160.0379	Bikox® power cable MB ERGO, B7 for 4.00 m		1011
160.0391	Bikox® power cable MB ERGO, B7 for 5.00 m		1011
160.0549	Bikox® power cable RB, B10 for 3.00 m		1011
160.0560	Bikox® power cable RB, B10 for 4.00 m		1011
160.D427	Bikox® R-power cable MB GRIP / ABIMIG®, R5 for 3.00 m		1511
160.D428	Bikox® R-power cable MB GRIP / ABIMIG®, R5 for 4.00 m		1511
160.D429	Bikox® R-power cable MB GRIP / ABIMIG®, R5 for 5.00 m		1511
160.D430	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 3.00 m		1511
160.D431	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 4.00 m		1511
160.D432	Bikox® R-power cable MB GRIP / ABIMIG®, R6 for 5.00 m		1511
160.D434	Bikox® R-power cable MB GRIP / ABIMIG®, R7 for 3.00 m		1511
160.D435	Bikox® R-power cable MB GRIP / ABIMIG®, R7 for 4.00 m		1511
160.D436	Bikox® R-power cable MB GRIP / ABIMIG®, R7 for 5.00 m		1511
160.D520	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 3.00 m		1511
160.D521	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 4.00 m		1511
160.D522	Bikox® R-power cable MB GRIP / ABIMIG®, R4 for 5.00 m		1511
160.H025.1	Bikox® LW power cable, R4 for 3.00 m		1511
160.H026.1	Bikox® LW power cable, R4 for 4.00 m		1511
160.H027.1	Bikox® LW power cable, R4 for 5.00 m		1511
160.H032.1	Bikox® LW power cable, R5 for 3.00 m		1511
160.H033.1	Bikox® LW power cable, R5 for 4.00 m		1511
160.H034.1	Bikox® LW power cable, R5 for 5.00 m		1511
160.H039.1	Bikox® LW power cable, R6 for 3.00 m		1511
160.H040.1	Bikox® LW power cable, R6 for 4.00 m		1511
160.H041.1	Bikox® LW power cable, R6 for 5.00 m		1511
160.H046.1	Bikox® LW power cable, R7 for 3.00 m		1511
160.H047.1	Bikox® LW power cable, R7 for 4.00 m		1511
160.H048.1	Bikox® LW power cable, R7 for 5.00 m		1511
160.H053.1	Bikox® LW power cable, R9 for 3.00 m		1511
160.H054.1	Bikox® LW power cable, R9 for 4.00 m		1511
160.H055.1	Bikox® LW power cable, R9 for 5.00 m		1511
160.H242.1	Bikox® LW cable assembly, R5 2-pole for 4.50 m		1511
160.H248.1	Bikox® LW cable assembly; R7 2-pole for 4.50 m		1511
160.H344.1	Bikox® LW power cable, R9 for 3.00 m		1511
160.H345.1	Bikox® LW power cable, R9 for 4.00 m		1511
160.H346.1	Bikox® LW power cable, R9 for 5.00 m		1511
160.H347.1	Bikox® LW cable assembly, R9 5-pole Up/Down for 3.00 m		1511
160.H348.1	Bikox® LW cable assembly, R9 5-pole Up/Down for 4.00 m		1511
160.H349.1	Bikox® LW cable assembly, R9 5-pole Up/Down for 5.00 m		1511
160.H365.1	Bikox® LW cable assembly, R4 2-pole Up/Down for 3.00 m		1511
160.H366.1	Bikox® LW cable assembly, R4 2-pole Up/Down for 4.00 m		1511
160.H367.1	Bikox® LW cable assembly, R4 2-pole Up/Down for 5.00 m		1511
160.H368.1	Bikox® LW cable assembly, R5 2-pole Up/Down for 3.00 m		1511
160.H369.1	Bikox® LW cable assembly, R5 2-pole Up/Down for 4.00 m		1511
160.H370.1	Bikox® LW cable assembly, R5 2-pole Up/Down for 5.00 m		1511
160.H371.1	Bikox® LW cable assembly, R6 5-pole Up/Down for 3.00 m		1511
160.H372.1	Bikox® LW cable assembly, R6 5-pole Up/Down for 4.00 m		1511
160.H373.1	Bikox® LW cable assembly, R6 5-pole Up/Down for 5.00 m		1511
160.H374.1	Bikox® LW cable assembly; R7 5-pol. Up/Down for 3.00 m		1511

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
160.H375.1	Bikox® LW cable assembly; R7 5-pol. Up/Down for 4.00 m		1511
160.H376.1	Bikox® LW cable assembly; R7 5-pol. Up/Down for 5.00 m		1511
160.H377.1	Bikox® LW cable assembly; R9 2-pole for 4.50 m		1511
160.H378.1	Bikox® LW cable assembly, R6 2-pole for 4.50 m		1511
160.H380.1	Bikox® LW cable assembly, R4 2-pole for 4.50 m		1511
160.H397.1	Bikox® LW cable assembly; R7 2-pole for 6.00 m		1511
160.H430.1	Bikox® LW cable assembly, R4 2-pole for 6.00 m		1511
160.H431.1	Bikox® LW cable assembly, R4 2-pole Up/Downfor 4.50 m		1511
160.H432.1	Bikox® LW cable assembly, R4 2-pole Up/Down for 6.00 m		1511
160.H433.1	Bikox® LW cable assembly, R5 2-pole for 6.00 m		1511
160.H434.1	Bikox® LW cable assembly, R5 2-pole Up/Down for 4.50 m		1511
160.H435.1	Bikox® LW cable assembly, R5 2-pole Up/Down for 6.00 m		1511
160.H436.1	Bikox® LW cable assembly, R6 2-pole for 6.00 m		1511
160.H437.1	Bikox® LW cable assembly, R6 5-pole Up/Down for 4.50 m		1511
160.H438.1	Bikox® LW cable assembly, R6 5-pole Up/Down for 6.00 m		1511
160.H440.1	Bikox® LW cable assembly; R7 5-pol. Up/Down for 4.50 m		1511
160.H441.1	Bikox® LW cable assembly; R7 5-pol. Up/Down for 6.00 m		1511
160.H442.1	Bikox® LW cable assembly; R9 2-pole for 4.50 m		1511
160.H443.1	Bikox® LW cable assembly, R9 5-pole Up/Down for 4.50 m		1511
160.H444.1	Bikox® LW cable assembly, R9 5-pole Up/Down for 6.00 m		1511
165.0002	O-Ring 4x1	20 Pcs.	9010
165.0008	O-Ring 3.5x1.5	20 Pcs.	9010
165.0016	O-Ring 18x1.5	20 Pcs.	9010
171.0002	Hose clamp Ø 8.7 mm	100 Pcs.	9010
173.0001	Hose clamp Ø 9.0 mm with ring (mark 9.5)	100 Pcs.	9010
173.0002	Hose clamp Ø 9.5 mm with ring (mark 10.0)	100 Pcs.	9010
173.0005	Hose clamp Ø 8.2 mm with ring (mark 8.7)	100 Pcs.	9010
175.0003	Trigger wire connector; female	20 Pcs.	9010
175.0004	Plug	20 Pcs.	9010
175.0022	Trigger wire connector	20 Pcs.	9010
175.D098	Control cable with 4-pole Amphenol plug L=400 mm		1595
180.0014	Handle tube AUT		1095
180.0024	Handle pistol-type		1095
180.0029	Industrial handle blue cpl.		1095
180.0032	Industrial handle cpl.		1095
180.0076	ERGO handle with trigger cpl.		1095
180.0097	Handle tube AUT		1095
180.0111	Handle ABIMIG® with trigger cpl.		1395
180.0114	Handle tube MT		1395
180.0127	Handle GRIP with trigger cpl.		1095
180.0132.1	Handle GRIP type S with trigger cpl.		1395
180.0133.1	Handle GRIP type SH with trigger cpl. (without module)		1395
180.0134.1	Handle GRIP type TO with switch on top cpl.		1395
180.0138.1	Handle RAB GRIP Standard (feed air slide below)		1095
180.0144.1	Handle RAB GRIP ZO (feed air slide on top)		1095
180.0154.1	Handle RAB GRIP SH for module (feed air slide below)		1095
180.D077.1	Handle ABIMIG® A T with push-button long		1595
180.D078.1	Handle ABIMIG® A T with push-button short		1595
180.D079.1	Handle ABIMIG® A T with push-button long (without module BIS-52)		1595
180.D080.1	Handle ABIMIG® A Twith push-button short (without module BIS-52)		1595

# Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
185.0005	Trigger 2-pole		9010
185.0031	Trigger 2-pole		9010
185.0100	Trigger 2-pole		1095
185.0101	Trigger 2-pole GRIP		9010
185.0107.5	Trigger 2-pole GRIP	5 Pcs.	1395
185.D118.1	Trigger long 2-pole		1595
185.D120.1	Trigger short 2-pole		1595
187.0075	Potentiometer (10.0 k-Ohm)		9010
187.0076	Potentiometer (5.5 k-Ohm)		9010
187.0078	Potentiometer (2.0 k-Ohm)		9010
187.0079	Potentiometer (20.0 k-Ohm)		9010
191.0001	Spanner Standard		9010
191.D045	Spanner for ABIMIG®		1595
400.0032	Trigger		1095
400.0036	Center blade screw	20 Pcs.	1095
400.0037	Pressure spring	20 Pcs.	1095
400.0038	Trigger blade center	20 Pcs.	1095
400.0044	Torch body plastic GRIP		1095
400.0049	Trigger blade	20 Pcs.	1095
400.0056	Pressure spring	20 Pcs.	1095
400.0095	Insert bush M4	10 Pcs.	1095
400.0097	Ring		1095
400.0114	Torch body brass		1095
400.0119	Insulating sleeve	20 Pcs.	1095
400.0137	Coupling nut M38x2		9010
400.0328	Biclip inside		9010
400.0329	Biclip outside		9010
400.0332	Biclip Set 25/28		9010
400.0790	Inner ring for ABIMIG® / ABIMIG® GRIP / MB GRIP (liquid cooled)		1095
400.0792	Cylinder head srew 4x10	20 Pcs.	1095
400.0949	Socket joint cpl.		1095
400.0956	Control module BIS-01L with potentiometer left 10 k-Ohm		1395
400.0957	Control module BIS-01R with potentiometer right 10 k-Ohm		1395
400.0958	Control module BIS-02 with potentiometer 10 k-Ohm LED for Migatronic®		1395
400.0959	Control module BIS-06 with push-button and 4 LED		1395
400.0961	Control module BIS-07B Up/Down 7-segment switch crosswise		1395
400.0963	Control module BIS-10A Up/Down switch lengthwise		1395
400.0964	Control module BIS-10B Up/Down switch crosswise		1395
400.0966	Control module BIS-13A Up/Down 2x switch lengthwise for EWM®		1395
400.1010	Cable support ND 19		1095
400.1011	Cable support ND 21		1095
400.1076	Torch body plastic ERGO		1095
400.1085	Control module BIS-10D Up/Down switch crosswise for Fronius®		1395
400.1088	Control module BIS-19 push-button 3-step		1395
400.1186	Cover cpl.		1095
400.1188	Cable support		1095
400.1247	Cable support fastening cpl.		1095
400.1292.1	Control module BIS-52 double push-button		2005
400.1296.1	Control module BIS-51 single push-button		2005
400.1323.1	Ball joint cable support short for ABIMIG® GRIP A		1095

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
400.1333.1	Torch body		1095
400.1341.1	Adapter for handle GRIP type S, SH and TO		1395
400.1392.1	Ball joint cable protection MB GRIP / ABIMIG® GRIP W (liquid cooled)		1095
400.1395.1	Ball joint cable protection MB GRIP (air cooled)		1095
400.1452.10	Supply air slide RAB GRIP	10 Pcs.	9010
400.1496.10	Sealing cover	10 Pcs.	1095
400.1545.1	Control module BIS-18 Up/Down 2x push button for Cloos®		1395
400.1631.1	Supply air slide cpl. For RAB GRIP handle ZO		1095
400.D205	Cable support spring ND 21		1595
400.D501.1	Cable support spring NW 22		1595
400.D518.1	Cable support NW 21		1595
400.D561.2	Half rings (1 pair)	2 Pcs.	1595
400.D573.1	Blind cover		1595
400.D574.1	Cable support ABIMIG® A T LW (short)		1595
500.0085	Nut M14x1	10 Pcs.	9010
500.0213	Adaptor nut M33x2		9010
500.0225	Cable support spring ND 19		9010
500.0233	Cable support spring		9010
500.0235	Cable support spring		1095
500.0251	Screw cap 1	20 Pcs.	9010
500.0274	Cable support spring big ND 31		9010
500.0334	Hose guide		9010
500.0342	Connection housing large cpl. ND 31		9010
500.0375	Cable support spring ND 31		1095
500.0460	Powerfitting cpl. M14x1		1095
501.0003	Central adaptor KZ-2		1095
501.0015	Central adaptor WZ-2		9010
501.0018	Central adaptor GZ-2		1095
501.0028	Central adaptor KZ-2 without control leads		1095
501.0034	Central adaptor WZ-2 without control leads		9010
501.0054	Central adaptor RGZ-2		1095
501.0077	Central adaptor RWZ-2		1095
501.0078	Central adaptor RWZ-2 without control leads		9010
501.0082	Coupling nut M10x1	10 Pcs.	9010
501.0114	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	9010
501.0129	Liner positioner nut M14x1	10 Pcs.	9010
501.0168	Brass body (gas axial)		1095
501.0169	Brass body (gas radial)		1095
501.0183	Socket with control leads 600 mm (white)		1095
501.0280	Power clamp		1095
501.0588	Insulating flange Ø 50 mm		1095
501.0602	Insulating flange Ø 120 mm		1095
501.0616	Insulation flange Ø 85 mm		1095
501.2020	Socket with control leads 600 mm (brown)		1095
501.2166	Code colour ring red	20 Pcs.	9010
501.2167	Code colour ring blue	20 Pcs.	9010
501.2190	Blank Ø 22 (200 mm)		1095
501.2191	Blank Ø 16 (100 mm)		1095
501.2192	Blank Ø 16 (170 mm)		1095
501.2193	Blank Ø 16 (250 mm)		1095

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
501.2236	Connecting set machine side for ND 29		9010
501.2248	Cable support machine side		9010
501.2278	Cable support machine side		9010
501.2308	Insulating flange 60 mm, quadrangular		1095
501.2379	Connection housing		9010
501.2381	Insulating flange 85 mm, triangular		1095
501.2423	Fastener cap red	20 Pcs.	1095
501.2424	Fastener cap blue	20 Pcs.	1095
501.2591.1	Connection housing cpl. For RAB GRIP		1095
501.D342	Central adaptor RM 50 cpl.		1595
501.D501	Cable support spring NW 22		1595
501.D536.5	Coupling nut M10x1, plastic	5 Pcs.	1595
501.D537.5	Coupling nut M14x1, plastic	5 Pcs.	1595
501.D578.1	Connection housing machine side cpl.; for UNI-plug		1595
501.D687.1	Central adaptor KZ-2		1595
600.0080	Connection sleeve RAB GRIP 240 / 501		1095
600.2002	Outer neck		1095
600.2008	Connection sleeve RAB GRIP 15 / 24 / 25 / 36		1095
600.2028	Spring clip		1095
600.2037	Spring clip		1095
600.2044.1	Fume shroud with spring clip (type 36, 501)		1602
600.2045.1	Fume shroud with spring clip (type 24, 240)		1602
600.2046.1	Fume shroud with spring clip (type 25)		1602
600.2047.1	Fume shroud with spring clip (type 15)		1602
600.3005.1	Connector cpl. LW 32 for RAB GRIP		1095
600.3006.1	Connector cpl. LW 38 for RAB GRIP		1095
600.3007.1	Outer neck		1095
600.3009.1	Fume shroud with Quicklock (type 36, 501)		1602
600.3017.1	Fume shroud with Quicklock (type 15)		1602
600.3018.1	Fume shroud with Quicklock (type 24, 240)		1602
600.3019.1	Fume shroud with Quicklock (type 25)		1602
601.0001.1	Fume Extraction System FES-200 (230 V)		7020
601.0002.1	Fume Extraction System FES-200 (110 V)		7020
601.0005.1	Carbon brush 230 V		7021
601.0008.1	Filter cartridge FES-200, Ø = 150 x 325 mm		7021
601.0015.1	Hose with sleeves		7021
601.0017.1	Carbon brush 110 V		7021
601.0021.10	Plastic bag (without drawer)	10 Pcs.	7021
601.0023.1	Exhaust case FES-200		7021
601.0031.1	Adaptor ring FES-200 / RAB GRIP (50 / 44 mm)		7021
601.0041.1	Start/Stop probe, 4-pole		7021
601.0046.1	Adapter ring (connection for two hoses)		7021
601.0048.1	Filter cartridge FES-200 W3, Ø = 150 x 325 mm		7021
602.0040	Fume shroud (funnel)		1602
602.2002	Inner neck; 45° bent		1095
602.2003	Insulating part		1095
602.3001.1	RAB GRIP 15 AK; central adaptor KZ-2; 3.00 m		1620
602.3002.1	RAB GRIP 15 AK; central adaptor KZ-2; 4.00 m		1620
602.3003.1	RAB GRIP 15 AK; central adaptor KZ-2; 5.00 m		1620
602.3004.1	Swan neck RAB GRIP 15 AK; 45° bent		1007

## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
602.3008.1	RAB GRIP 15 AK Quicklock; central adaptor KZ-2; 3.00 m		1620
602.3009.1	RAB GRIP 15 AK Quicklock; central adaptor KZ-2; 4.00 m		1620
602.3010.1	RAB GRIP 15 AK Quicklock; central adaptor KZ-2; 5.00 m		1620
604.2001	Swan neck RAB GRIP 25 AK		1007
604.3001.1	RAB GRIP 25 AK; central adaptor KZ-2; 3.00 m		1620
604.3002.1	RAB GRIP 25 AK; central adaptor KZ-2; 4.00 m		1620
604.3003.1	RAB GRIP 25 AK; central adaptor KZ-2; 5.00 m		1620
604.3007.1	RAB GRIP 25 AK Quicklock; central adaptor KZ-2; 3.00 m		1620
604.3008.1	RAB GRIP 25 AK Quicklock; central adaptor KZ-2; 4.00 m		1620
604.3009.1	RAB GRIP 25 AK Quicklock; central adaptor KZ-2; 5.00 m		1620
612.0023	Fume shroud (funnel)		1602
612.2001	Swan neck RAB GRIP 24 KD		1007
612.3001.1	RAB GRIP 24 KD; central adaptor KZ-2; 3.00 m		1620
612.3002.1	RAB GRIP 24 KD; central adaptor KZ-2; 4.00 m		1620
612.3003.1	RAB GRIP 24 KD; central adaptor KZ-2; 5.00 m		1620
612.3007.1	RAB GRIP 24 KD Quicklock; central adaptor KZ-2; 3.00 m		1620
612.3008.1	RAB GRIP 24 KD Quicklock; central adaptor KZ-2; 4.00 m		1620
612.3009.1	RAB GRIP 24 KD Quicklock; central adaptor KZ-2; 5.00 m		1620
614.2001	Swan neck RAB Plus 36 KD		1014
614.3001.1	RAB GRIP 36 KD; central adaptor KZ-2; 3.00 m		1620
614.3002.1	RAB GRIP 36 KD; central adaptor KZ-2; 4.00 m		1620
614.3003.1	RAB GRIP 36 KD; central adaptor KZ-2; 5.00 m		1620
614.3007.1	RAB GRIP 36 KD Quicklock; central adaptor KZ-2; 3.00 m		1620
614.3008.1	RAB GRIP 36 KD Quicklock; central adaptor KZ-2; 4.00 m		1620
614.3009.1	RAB GRIP 36 KD Quicklock; central adaptor KZ-2; 5.00 m		1620
623.3001.1	Swan neck RAB GRIP 240 D; 45° bent		1009
623.3003.1	RAB GRIP 240 D; central adaptor WZ-2; 3.00 m		1620
623.3004.1	RAB GRIP 240 D; central adaptor WZ-2; 4.00 m		1620
623.3005.1	RAB GRIP 240 D; central adaptor WZ-2; 5.00 m		1620
623.3011.1	RAB GRIP 240 D Quicklock; central adaptor WZ-2; 3.00 m		1620
623.3012.1	RAB GRIP 240 D Quicklock; central adaptor WZ-2; 4.00 m		1620
623.3013.1	RAB GRIP 240 D Quicklock; central adaptor WZ-2; 5.00 m		1620
632.2009	Outer neck RAB 501		1095
632.3001.1	Swan neck RAB GRIP 501; 45° bent		1009
632.3003.1	RAB GRIP 501; central adaptor WZ-2; 3.00 m		1620
632.3004.1	RAB GRIP 501; central adaptor WZ-2; 4.00 m		1620
632.3005.1	RAB GRIP 501; central adaptor WZ-2; 5.00 m		1620
632.3015.1	RAB GRIP 501 Quicklock; central adaptor WZ-2; 3.00 m		1620
632.3016.1	RAB GRIP 501 Quicklock; central adaptor WZ-2; 4.00 m		1620
632.3017.1	RAB GRIP 501 Quicklock; central adaptor WZ-2; 5.00 m		1620
634.3001.1	Swan neck RAB GRIP 501 D; 45° bent		1009
634.3003.1	RAB GRIP 501 D; central adaptor WZ-2; 3.00 m		1620
634.3004.1	RAB GRIP 501 D; central adaptor WZ-2; 4.00 m		1620
634.3005.1	RAB GRIP 501 D; central adaptor WZ-2; 5.00 m		1620
634.3030.1	RAB GRIP 501 D Quicklock; central adaptor WZ-2; 3.00 m		1620
634.3031.1	RAB GRIP 501 D Quicklock; central adaptor WZ-2; 4.00 m		1620
634.3032.1	RAB GRIP 501 D Quicklock; central adaptor WZ-2; 5.00 m		1620
766.0230	Insulator	20 Pcs.	1395
766.0370	Swan neck ABIMIG® 645W; 50° bent		1309
766.0377	Cooling jacket cpl.		1395

## Spare Parts List (numeric)

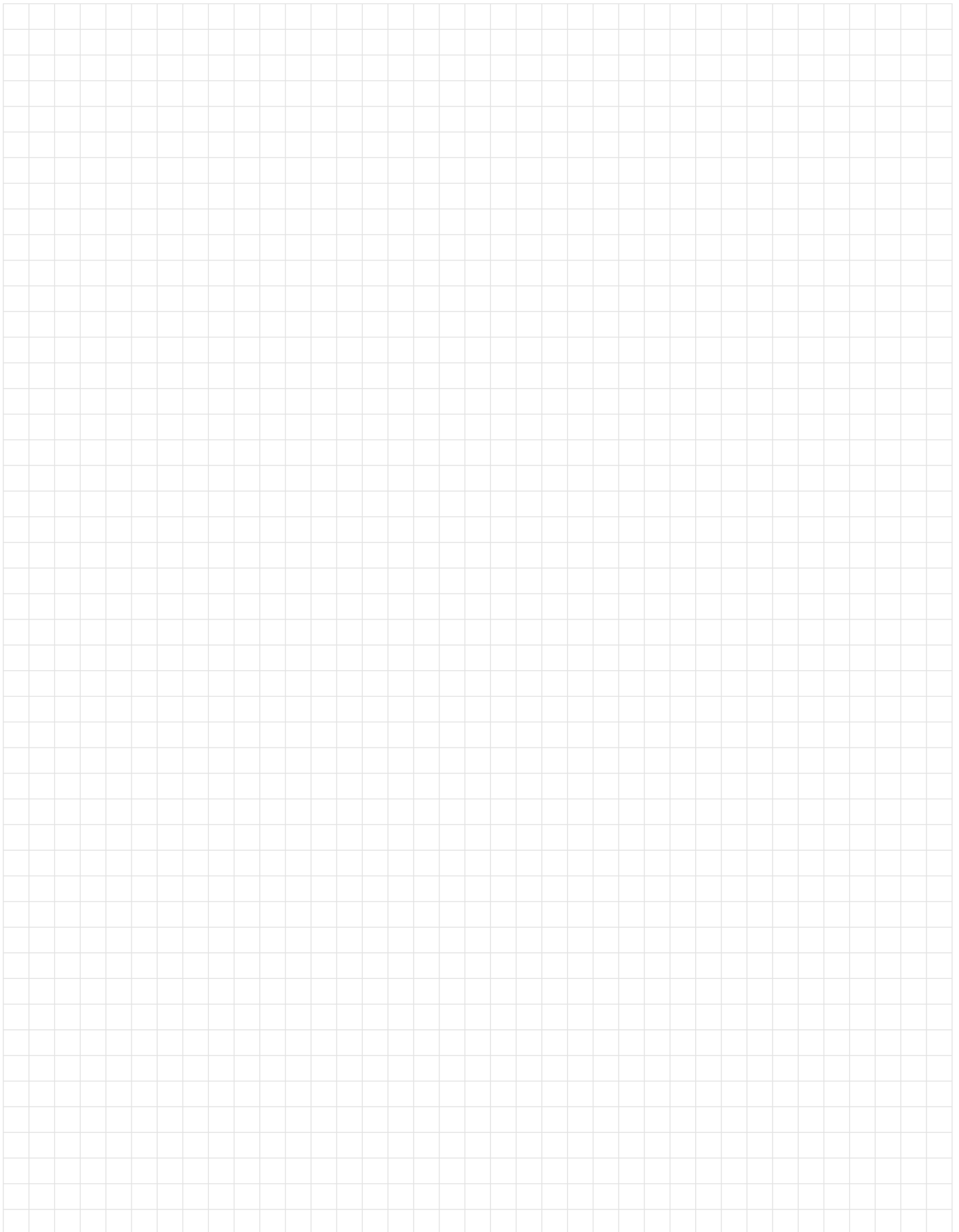
Part-No.	Description	Units	Product-group
766.0406	ABIMIG® 645 W; central adaptor WZ-2; 3.00 m (socket joint)		1346
766.0407	ABIMIG® 645 W; central adaptor WZ-2; 4.00 m (socket joint)		1346
766.0408	ABIMIG® 645 W; central adaptor WZ-2; 5.00 m (socket joint)		1346
766.0459	Swan neck ABIMIG® -MT 645W; straight		1352
766.0460	Swan neck ABIMIG® -MT 645W; 45° bent		1352
766.0501	Central adaptor WZ-2		1395
766.0518	Gas diffuser, long life	10 Pcs.	1332
766.0526.1	ABIMIG® GRIP W 555 D; type S; central adaptor WZ-2; 3.00 m		1317
766.0527.1	ABIMIG® GRIP W 555 D; type S; central adaptor WZ-2; 4.00 m		1317
766.0528.1	ABIMIG® GRIP W 555 D; type S; central adaptor WZ-2; 5.00 m		1317
766.0529.1	ABIMIG® GRIP W 555; type S; central adaptor WZ-2; 3.00 m		1317
766.0530.1	ABIMIG® GRIP W 555; type S; central adaptor WZ-2; 4.00 m		1317
766.0531.1	ABIMIG® GRIP W 555; type S; central adaptor WZ-2; 5.00 m		1317
766.0532.1	Swan neck ABIMIG® GRIP W 555 D; 50° bent		1309
766.0533.1	Swan neck ABIMIG® GRIP W 555; 50° bent		1309
766.0534.1	ABIMIG® GRIP W 605 D; type S; central adaptor WZ-2; 3.00 m		1317
766.0535.1	ABIMIG® GRIP W 605 D; type S; central adaptor WZ-2; 4.00 m		1317
766.0536.1	ABIMIG® GRIP W 605 D; type S; central adaptor WZ-2; 5.00 m		1317
766.0537.1	ABIMIG® GRIP W 605; type S; central adaptor WZ-2; 3.00 m		1317
766.0538.1	ABIMIG® GRIP W 605; type S; central adaptor WZ-2; 4.00 m		1317
766.0539.1	ABIMIG® GRIP W 605; type S; central adaptor WZ-2; 5.00 m		1317
766.0540.1	Swan neck ABIMIG® GRIP W 605 D; 50° bent		1309
766.0541.1	Swan neck ABIMIG® GRIP W 605; 50° bent		1309
766.0542.1	Swan neck ABIMIG® GRIP W 605 C; 50° bent		1309
766.0543.1	ABIMIG® GRIP W 605 C; type S; central adaptor WZ-2; 3.00 m		1317
766.0544.1	ABIMIG® GRIP W 605 C; type S; central adaptor WZ-2; 4.00 m		1317
766.0545.1	ABIMIG® GRIP W 605 C; type S; central adaptor WZ-2; 5.00 m		1317
766.0546.10	Gas diffuser, plastic	10 Pcs.	1332
766.0865.1	Swan neck ABIMIG® W 555 D MT; 0°		1352
766.0866.1	Swan neck ABIMIG® W 555 D MT; 22° bent		1352
766.0867.1	Swan neck ABIMIG® W 555 D MT; 45° bent		1352
766.0871.1	Swan neck ABIMIG® W 605 D MT; 0°		1352
766.0872.1	Swan neck ABIMIG® W 605 D MT; 22° bent		1352
766.0873.1	Swan neck ABIMIG® W 605 D MT; 45° bent		1352
766.0878.1	Swan neck ABIMIG® W 555 MT; 0°		1352
766.0879.1	Swan neck ABIMIG® W 555 MT; 22° bent		1352
766.0880.1	Swan neck ABIMIG® W 555 MT; 45° bent		1352
766.0883.1	Swan neck ABIMIG® W 605 MT; 0°		1352
766.0884.1	Swan neck ABIMIG® W 605 MT; 22° bent		1352
766.0885.1	Swan neck ABIMIG® W 605 MT; 45° bent		1352
766.1051	Collet body	10 Pcs.	1333
766.1070	Gas nozzle adaptor	10 Pcs.	1395
766.1074	Gas nozzle; conical; ND Ø 16.0	2 Pcs.	1337
766.1075	Gas nozzle; cylindrical; ND Ø 19.0	2 Pcs.	1337
766.1078	Gas diffuser, long life	10 Pcs.	1332
766.1095	Gas diffuser, white	10 Pcs.	1332
766.1135	Gas diffuser, ceramic	10 Pcs.	1332
767.D600.1	ABIMIG® GRIP A 155 LW; central adaptor KZ-2; 3.00 m		1318
767.D601.1	ABIMIG® GRIP A 155 LW; central adaptor KZ-2; 4.00 m		1318
767.D602.1	ABIMIG® GRIP A 155 LW; central adaptor KZ-2; 5.00 m		1318

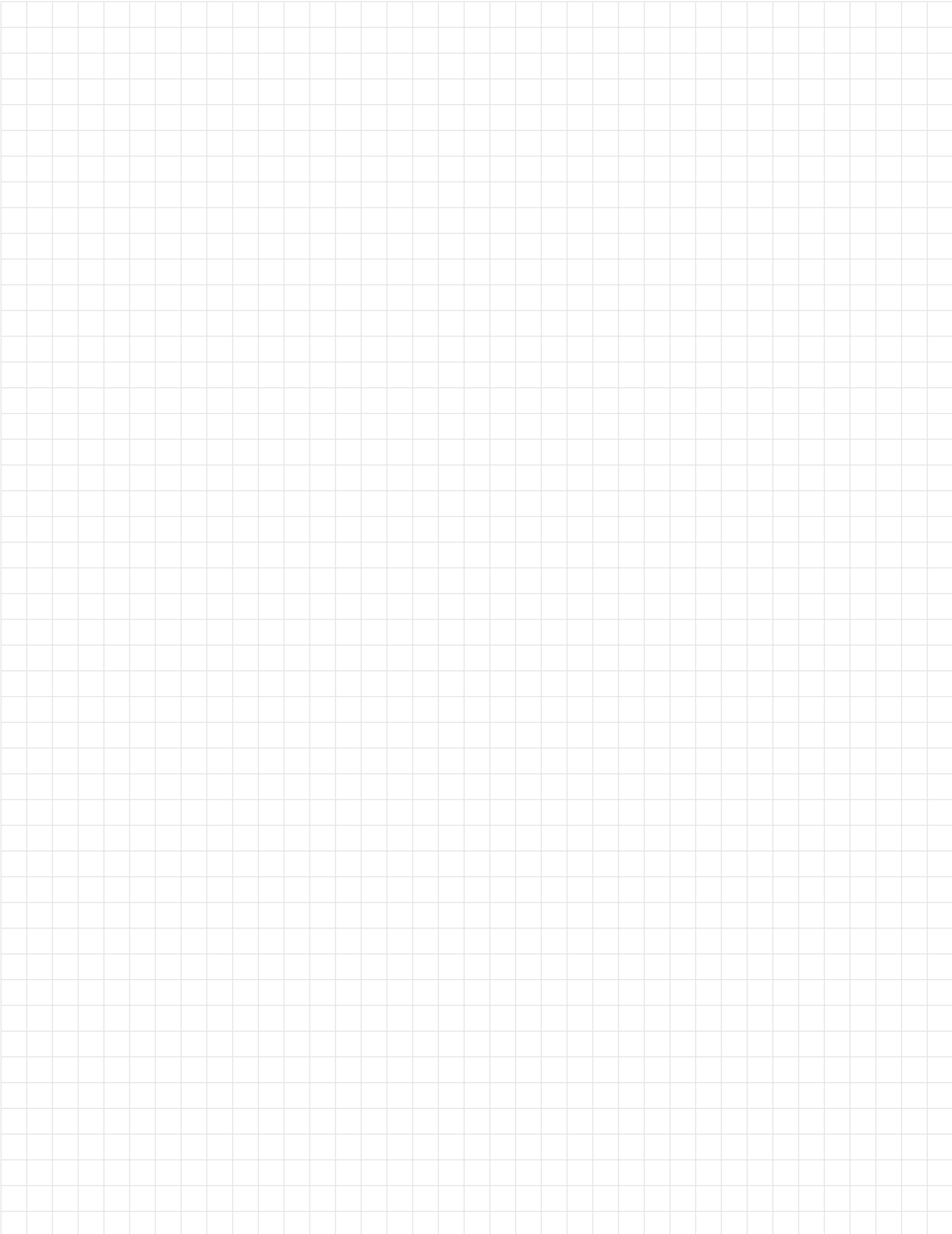
## Spare Parts List (numeric)

Part-No.	Description	Units	Product-group
767.D603.1	Swan neck ABIMIG® GRIP A 155; 45° bent		1306
767.D607.5	Spacer	5 Pcs.	1595
767.D630.1	ABIMIG® GRIP A 255 LW; central adaptor KZ-2; 3.00 m		1318
767.D631.1	ABIMIG® GRIP A 255 LW; central adaptor KZ-2; 4.00 m		1318
767.D632.1	ABIMIG® GRIP A 255 LW; central adaptor KZ-2; 5.00 m		1318
767.D633.1	Swan neck ABIMIG® GRIP A 255; 45° bent		1306
767.D637.5	Spacer	5 Pcs.	1595
767.D660.1	ABIMIG® GRIP A 305 LW; central adaptor KZ-2; 3.00 m		1319
767.D661.1	ABIMIG® GRIP A 305 LW; central adaptor KZ-2; 4.00 m		1319
767.D662.1	ABIMIG® GRIP A 305 LW; central adaptor KZ-2; 5.00 m		1319
767.D663.1	Swan neck ABIMIG® GRIP A 305; 45° bent		1308
767.D668.5	Spacer	5 Pcs.	1595
767.D690.1	ABIMIG® GRIP A 355 LW; central adaptor KZ-2; 3.00 m		1319
767.D691.1	ABIMIG® GRIP A 355 LW; central adaptor KZ-2; 4.00 m		1319
767.D692.1	ABIMIG® GRIP A 355 LW; central adaptor KZ-2; 5.00 m		1319
767.D693.1	Swan neck ABIMIG® GRIP A 355; 45° bent		1308
767.D720.1	ABIMIG® GRIP A 405 LW; type S; central adaptor KZ-2; 3.00 m		1319
767.D721.1	ABIMIG® GRIP A 405 LW; type S; central adaptor KZ-2; 4.00 m		1319
767.D722.1	ABIMIG® GRIP A 405 LW; type S; central adaptor KZ-2; 5.00 m		1319
767.D723.1	Swan neck ABIMIG® GRIP A 405; 45° bent		1308
767.D729.5	Spacer	5 Pcs.	1595
767.D898.5	Spacer HD	5 Pcs.	1595
902.0004	Swan neck AUT 15 AK; 45° bent		1050
902.0007	Gas nozzle holder AUT 15 AK	10 Pcs.	1095
904.0003	Swan neck AUT 25 AK; straight		1050
904.0004	Swan neck AUT 25 AK; 45° bent		1050
912.0001	Swan neck AUT 24 KD; straight		1050
912.0002	Swan neck AUT 24 KD; 45° bent		1050
913.0001	Swan neck AUT 61 GD; straight		1051
913.0015	AUT 61 GD; 0°; handle tube; central adaptor RGZ-2; 3.00 m		1021
914.0001	Swan neck AUT 26/36; 45° bent		1051
914.0002	Swan neck AUT 26/36; straight		1051
923.0001	Swan neck AUT 240 D; straight		1052
923.0002	Swan neck AUT 240 D; 45° bent		1052
932.0001	Swan neck AUT 401/501; straight		1052
932.0002	Swan neck AUT 401/501; 45° bent		1052
934.0001	Swan neck AUT 401 D/501 D; straight		1052
934.0002	Swan neck AUT 401 D/501 D; 45° bent		1052
935.0001	Swan neck AUT 610 D; straight		1052
935.0010	AUT 610 D; 0°; handle tube; central adaptor RWZ-2; 3.00 m		1022
939.0062	Swan neck AUT 602; 45° bent		1052
939.0064	Swan neck AUT 602; straight		1052
939.0083	AUT 602; 0°; handle tube; central adaptor WZ-2; 3.00 m		1022
939.0086	AUT 602; 45°; handle tube; central adaptor WZ-2; 3.00 m		1022



# Notes





# Standard Terms and Conditions of Deliveries and Services (Verkaufsbedingungen) der Alexander Binzel Schweisstechnik GmbH & Co. KG

## § 1 Validity of the Terms and Conditions of Business

- 1.1** All our deliveries, services and tenders take place exclusively on the basis of these Standard Terms and Conditions of Deliveries and Services Payment (hereinafter called "these business conditions"). These business conditions are an element of all agreements that we conclude with our contractual partners (hereinafter called "customers").
- 1.2** The customer's Standard Terms and Conditions of Business do not apply, even if we do not contradict their validity in individual cases. Neither does reference to a letter that contains the customer's or a third party's Standard Terms and Conditions of Business, or refers to such, constitute an agreement with the validity of the aforesaid Standard Terms and Conditions of Business. They also do not become a contractual element through conclusive actions, such as the production of a performance by us.
- 1.3** The business conditions apply to all agreements on deliveries and services on our part, as well as all peripheral services. These business conditions are valid for all future deliveries and services on our part even without a separate agreement of inclusion.

## § 2 Tender and conclusion of the agreement

- 2.1** Insofar as our tenders are marked expressly as being subject to change, we can also revoke these immediately after receipt of acceptance by the customer.
- 2.2** The customer does not acquire any copyright to any tenders or cost estimates submitted by us, nor to any drawings, illustrations, calculations, descriptions, models, tools and other documents and material resources made available to him. This also applies to those materials and documents mentioned that are expressly labelled "confidential" or whose confidential character arises from the circumstances. The passing on of the abovementioned materials and documents to third parties requires at any rate our permission. The customer must ensure this by appropriate agreements with his employees or any other persons who work with knowledge and consent in his area of responsibilities. The abovementioned materials and documents must be returned immediately at the customer's expense, if an agreement does not come into being or they are no longer required for further contractual implementation.

## § 3 Prices

- 3.1** Unless otherwise stated in the order confirmation, our prices are valid "ex Works", excluding packaging; this will be charged separately.
- 3.2** Legal value-added tax is not included in our prices. It is shown separately in the invoice in the amount legally prescribed on the day of invoicing. In the case of foreign transactions, the value-added tax no longer applies; however, the recipient must pay the taxes and fees incurred for the transfer into the recipient's country, especially customs duties and the additional legal taxes or charges incurred in the recipient's country itself.
- 3.3** The deduction of a discount for cash requires a separate agreement. The customer's Standard Terms and Conditions of Business, which call for the deduction of a cash discount, do not apply.

## § 4 Implementation of the deliveries and services, delivery and service times

- 4.1** Unless otherwise agreed, the delivery takes place "ex Works".
- 4.2** The start of the delivery or service time stated by us presupposes the clarification of all technical issues.
- 4.3** Furthermore, the observance of our delivery and service obligations presupposes the customer's punctual and proper performance. We are fully entitled to the plea of non-performance.
- 4.4** If the person ordering is in default of taking delivery or infringes any other duties to cooperate, we are entitled to request replacement of any loss incurred by us in this respect, including any additional expenditure. More extensive claims remain unaffected.
- 4.5** Insofar as the conditions of § 4 (4) are met, the risk of accidental loss or unintentional deterioration of the object to be delivered passes to the customer at that point in time, when he has fallen into default of taking delivery.
- 4.6** If it has been agreed with the customer that our delivery or service does not have to take place at a fixed time, but within a certain period, we are entitled to deliver or produce our performance before the expiration of the period also. If a fixed date has been agreed with the customer, we are entitled to premature delivery or production of the performance, after having given the customer reasonable notice of this before delivery or production of the performance. This does not apply, if the delivery can only take place on the agreed date for reasons discernible for us.
- 4.7** Unless otherwise agreed, the customer, in the case of agreements that entitle him to request partial deliveries from a total quantity of goods, is obligated to give us punctual requests and assortment plans for approximate identical monthly quantities. If the customer does not request delivery punctually or does not plan in good time, we are entitled to take over the planning ourselves and to deliver the goods after a reasonable extended deadline has passed fruitlessly. If the customer fails to request delivery at all or in good time or fails to plan at all or in good time we are entitled to withdraw from the entire agreement after prior warning. Any compensation claims to which we are legally entitled remain at any rate unaffected.
- 4.8** With regard to order for goods to be delivered on demand according to § 4 (7) of these business conditions, we are entitled, unless otherwise agreed, to procure the material for the entire order and to manufacture the entire quantity ordered immediately. Requests from the customer for changes can no longer be taken into consideration after the order has been placed.
- 4.9** Increased or short deliveries are permissible in accordance with ordinary trade usage.

## § 5 Delays in delivery

- 5.1** Stoppages caused by force majeure, strikes for which we are not responsible or lock-outs or a lack of operating and/or raw materials entitle us, to withdraw from the not yet fulfilled agreement, if the abovementioned circumstances make delivery or performance impossible not only temporarily and in addition were not discernible on conclusion of the agreement.
- 5.2** If we are in delay with a delivery or service or if a delivery or service becomes impossible for us, the customer's claim for compensation is restricted subject to § 9 of these business conditions.

## § 6 Place of performance, shipment, packaging, passing of the risk

- 6.1** The place of performance for all obligations from the contractual relationship with the customer is Buseck/Alten-Buseck.
- 6.2** Unless otherwise agreed, we will select the most economical packaging known to us and the most economical type of shipment known to us.
- 6.3** Unless otherwise agreed, the risk passes to the customer at the latest with the handover of the delivered objects to the shipping contractor, carrier or other company appointed with the implementation of the consignment. § 4 (4) remains unaffected.
- 6.4** The shipment will only be insured by us against theft, breakage, damage during transport, fire and water damage or any other insurable risks at the express written request of the customer and at his expense.
- 6.5** We will only take back packaging in our storehouses (return depots). The customer pays the costs of transporting the packaging to the respective return depot. If packaging different from the standard packaging (special packaging) is used at the customer's request, the customer is obliged to recycle or dispose of this at his own expense.

## § 7 Customer's claims in case of defects or incomplete deliveries and services

- 7.1** The objects delivered by us must be carefully examined immediately after delivery to the customer or to the third party appointed by him. They are considered approved, if a complaint, that could have been discovered on careful examination, is not reported in writing within three days after receipt of the goods, the date of sending the complaint to us being decisive. If the defect was not noticeable by careful examination, the obligation to report the complaint immediately in writing is valid from the time of discovery.

- 7.2** If a delivery or service defect exists, for which we are responsible, we are obliged, at our option, to remedy the defect or deliver a replacement. In the case of remedying the defect, we are obliged to pay all costs required to remedy the defect, in particular transport, labour and material costs, unless these are increased by the fact that the purchased object was taken to a different location than the original place of consignment. This does not apply, if transporting the delivered object to another location corresponds to its agreed use. If we select subsequent performance in the form of replacement, the delivered objects with failures must be sent back to us carriage paid, whereby the customer is obliged to select the most economical type of shipment.

- 7.3** The limitation period for claims based on quality defects. The warranty period amounts to one year and begins with the time of delivery to the customer or to a third party appointed by the customer.

- 7.4** The delivery of used objects takes place excluding any warranty whatsoever.

## § 8 Purchase of consumer goods

- § 7 (3) does not apply, if the newly manufactured objects delivered by us are sold to consumers, also within the context of a chain of suppliers.

## § 9 Compensatory damages

- 9.1** We are only liable – regardless of for which legal reason – for the wilful and gross negligent conduct of our agencies and vicarious agents as well as – without regard to the degree of culpability – for damages from injury to life, body or health.
- 9.2** We are also responsible for slight negligence by our agencies and vicarious agents in the event of delay in performance or infringement of any other cardinal duty. In such a case our liability is restricted to damage that has to be reasonably expected when concluding such an agreement.
- 9.3** All limitations of liability also apply in the event that the infringement of contractual duties simultaneously represents an actionable tort.

## § 10 Reservation of ownership

- 10.1** We retain the right to ownership of the delivered object until all payments from the delivery agreement have been received. In the event of breach of contract by the customer, especially in the case of default of payment, we are entitled to take the delivered object back after a reasonable extended deadline has passed fruitlessly. Taking back the delivered object does not signify a withdrawal from the agreement, unless expressly declared by us in writing. The seizure of the delivered goods by us invariably represents a withdrawal from the agreement. After repossessing taking back the delivered goods, we are authorised to sell them; the proceeds from the sale will be deducted from the customer's liabilities – minus reasonable realisation costs.
- 10.2** The customer is obliged to keep the delivered objects in safe custody for us and to treat them with care.
- 10.3** In the event of seizures or any other third-party encroachments on our delivered objects, the customer must notify us immediately in writing so that we can take legal action according to § 771 Civil Procedure Rules (ZPO). If the third party is not in a position to refund us the legal and out-of-court costs of a lawsuit according to § 771 ZPO, the customer person ordering is liable for the loss incurred by us.
- 10.4** The customer is entitled to re-sell the delivered object in the normal course of business; however, he now already assigns us all demands amounting to the final invoice amount (including value-added tax) of our demand arising against his customers or third parties from the resale, regardless of whether the delivered object is re-sold with or without processing. The customer is also authorised to collect this demand after the assignment. Our authorisation to collect the demand ourselves remains unaffected by this. However, we agree not to collect the demand as long as the customer fulfils his payment obligations from the collected revenue, does not fall behind in his payments, and in particular no application for commencement of insolvency proceedings has been filed or there is a suspension of payments. However, if this is the case, we can request that the customer informs us of the assigned demands and their debtor immediately, gives us all details necessary for their collection, hands over the relevant documentation and notifies the debtor (third party) of the assignment immediately and informs us thereof by means of a copy/accompanying letter.
- 10.5** The processing or transformation of the delivered objects by the customer will always be carried out on our behalf by us. If the delivered object is processed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other processed objects at the time of processing. The same provisions apply otherwise for the object created by the aforesaid processing as for the object delivered with reservations.
- 10.6** If the delivered object is inseparably mixed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other mixed objects at the time of mixing. If the mixing takes place in a way in which the customer's object is to be regarded as the main object, it is considered agreed that the customer will transfer proportionate co-ownership to us. The customer will safeguard the created sole ownership or co-ownership for us.
- 10.7** At the customer's request, we undertake to release the securities to which we are entitled insofar as the feasible value of our securities exceeds the demands to be safeguarded by more than 10 %; we are entitled to select the securities to be released.

## § 11 Terms of payment

- 11.1** Unless otherwise agreed, our invoice amounts are payable within 30 days without any deduction. On expiration of this deadline, the customer is in default of payment without a warning on our part being required.
- 11.2** The customer may not exercise any right of set-off unless his/its counterclaim shall be undisputed or conclusively ruled upon. The same applies to the assertion of a right of retention.

## § 12 Written form and final provisions

- 12.1** Any regulations deviating from these business conditions require the written form. This does not apply to regulations, which have been agreed from our side with Managing Directors or authorised signatories.
- 12.2** The legal venue for any disputes from the business relationship between us and the customer is Gießen. However, we are also entitled to take legal action against the customer at his standard legal venue as well as at the location to which the delivered object was sent at the customer's request.
- 12.3** All legal relationships in connection with entering in, performing under or termination of this agreement shall be governed and construed in all respects in accordance with the laws of the Federal Republic of Germany with the exclusion of the Convention on Contracts for the International Sale of Goods (CISG). This also applies, if the legal relationships arise from tort or based on any other legal bases.

## Unser Lieferprogramm:

### ■ MIG/MAG

- Schutzgas Welding Torches
- Automaten- and Sonderbrenner
- Push-Pull-Brenner
- Rauchgas-Absaugbrenner
- Zentralstecker- and -buchsen-System

### ■ WIG

- Schutzgas Welding Torches
- Automaten- and Sonderbrenner

### ■ PLASMA

- Schneidbrenner
- Schweißbrenner
- Automaten- and Sonderbrenner

### ■ ROBOTIC SYSTEMS

- Roboter-Brenner MIG/WIG/PLASMA
- Gasregelsysteme
- Laserköpfe
- Nahführungssensoren
- TCP-Programmierhilfe
- Roboterhalterungen
- Drahtabschneidevorrichtung
- Brenner-Reinigungsstationen
- Drahtfördersysteme

### ■ Schweißzubehör

- Fume Extraction System
- Wasserumlaufkühlgeräte
- Schweißkabelstecker and -buchsen
- Trennmittel, -spray and -paste  
u.a.m.



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Spare parts list  
**MIG/MAG**  
**Welding Torches**  
**MB EVO PRO**  
air & liquid cooled







## MIG/MAG Welding Torches

# MB EVO PRO

## air & liquid cooled

The MB EVO PRO torch series represents a totally new concept in welding torch design, form and function. Unique ergonomics, following extensive research, provide a greater sense of control, enabling the welder to feel as "one" with his torch. The trigger position, trigger design and ball joint construction guarantee optimum balance and comfort in all welding positions.

- Genuine two-component handle – robust and ergonomic
- Optimum trigger position and tapered handle design – for precise predictable handling
- Proven "MB" wear parts – for long, economic service life
- Robust, optimized central connector
- Simplified constructions eases repair through the provision of greater space for maintenance

**Air cooled MB EVO PRO** welding torches feature the reduced weight "Bikox® LW" cable assembly, for even better handling and scientifically proven reduced operator fatigue, in all welding positions. Improved handling and reduced strain have been shown to have a measurable impact on weld seam quality.

- Low weight Bikox® (LW) – offering weight reduction of up to 34%
- Unique internal geometry for air cooled torches – enabling a cooler grip with maximum mechanical strength

The appeal of **liquid cooled MB EVO PRO** torches is further enhanced due to the redesigned cooling concept and selected material combination. Improved front end cooling increases wear part service life and realises extra performance reserves, enabling welding at higher power outputs.

- Highest quality "MB" wear parts combined with optimized torch cooling – for maximum service life
- Optimum trigger position and tapered handle design – for precise predictable handling
- High performance hoses with a special protective fabric – enhancing flexibility and comfort
- Robust, optimized central connector with protected hose guide

### Technical data (EN 60 974-7)

#### MIG/MAG Welding Torches „MB EVO PRO“ (air cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed Gases M21		
<b>MB EVO PRO 15</b>	180	150	60	0.6-1.0
<b>MB EVO PRO 24</b>	250	220	60	0.8-1.2
<b>MB EVO PRO 25</b>	230	200	60	0.8-1.2
<b>MB EVO PRO 26</b>	270	240	60	0.8-1.2
<b>MB EVO PRO 36</b>	320	290	60	0.8-1.2

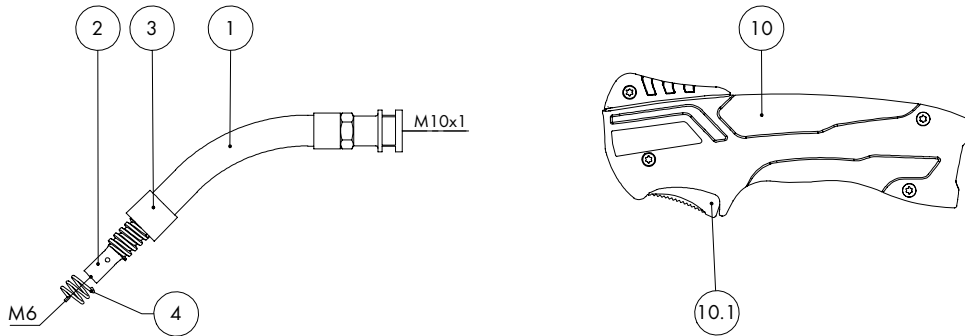
Subject to technical modifications.

#### MIG/MAG Welding Torches „MB EVO PRO“ (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed Gases M21		
<b>MB EVO PRO 240 D</b>	325	300	100	0.8-1.2
<b>MB EVO PRO 401</b>	475	425	100	0.8-1.2
<b>MB EVO PRO 401 D</b>	450	400	100	0.8-1.2
<b>MB EVO PRO 501</b>	575	525	100	1.0-1.6
<b>MB EVO PRO 501 D</b>	550	500	100	1.0-1.6

Subject to technical modifications.

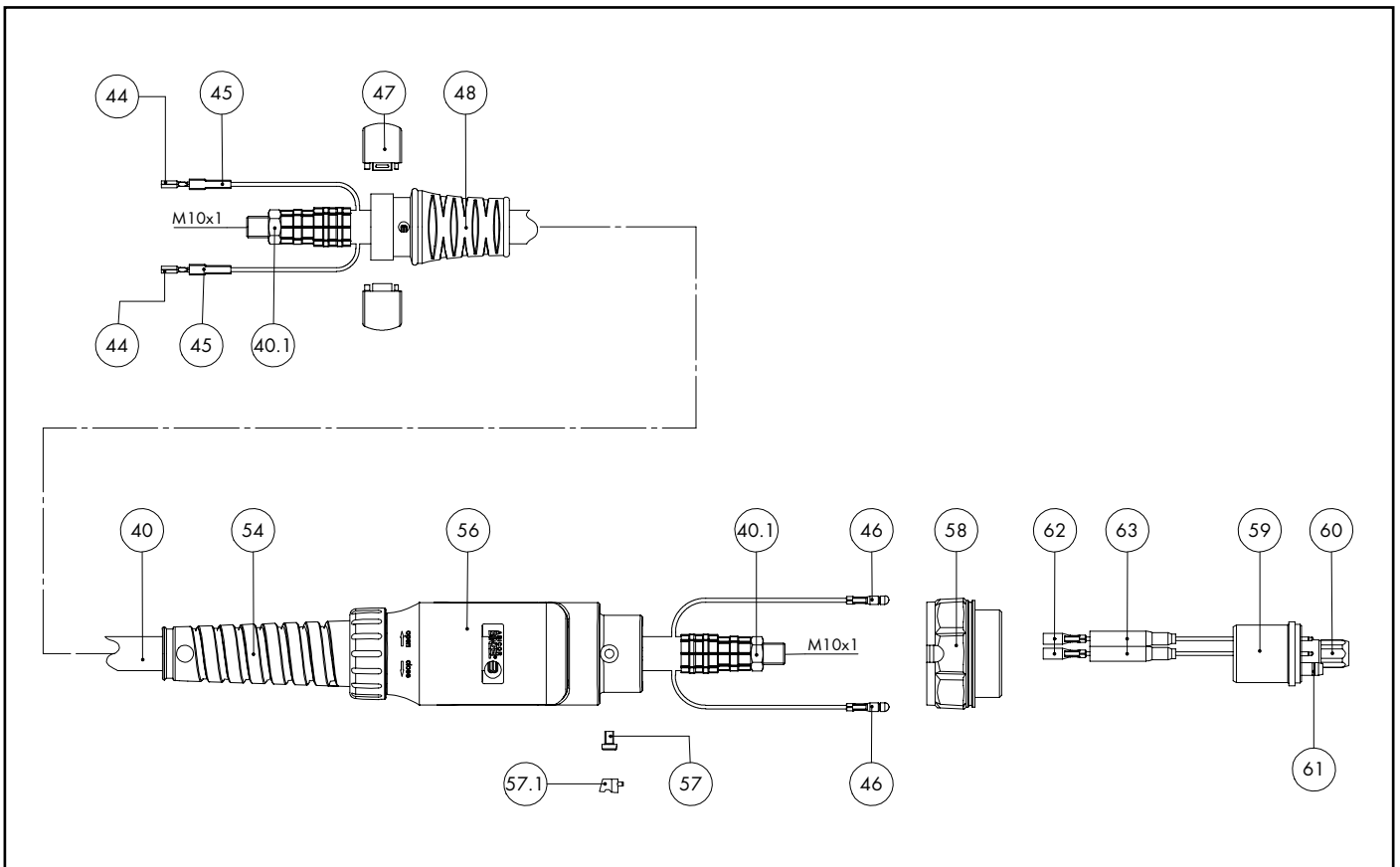
# MIG/MAG Welding Torches MB EVO PRO 15



Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO PRO 15; central adaptor KZ-2; 3.00 m		002.0712.1	1073
	MB EVO PRO 15; central adaptor KZ-2; 4.00 m		002.0713.1	1073
	MB EVO PRO 15; central adaptor KZ-2; 5.00 m		002.0714.1	1073
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 15; 50° bent		002.0715.1	1007
2	Gas nozzle holder		002.0078	1095
3	Head insulator	10 Pcs.	002.0050	1095
4	Nozzle spring	100 Pcs.	002.0058	1095
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole ac complete		180.0176.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® LW-power cable, R18 for 3.00 m		160.H025.1	1511
40	Bikox® LW-power cable, R18 for 4.00 m		160.H026.1	1511
40	Bikox® LW-power cable, R18 for 5.00 m		160.H027.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010

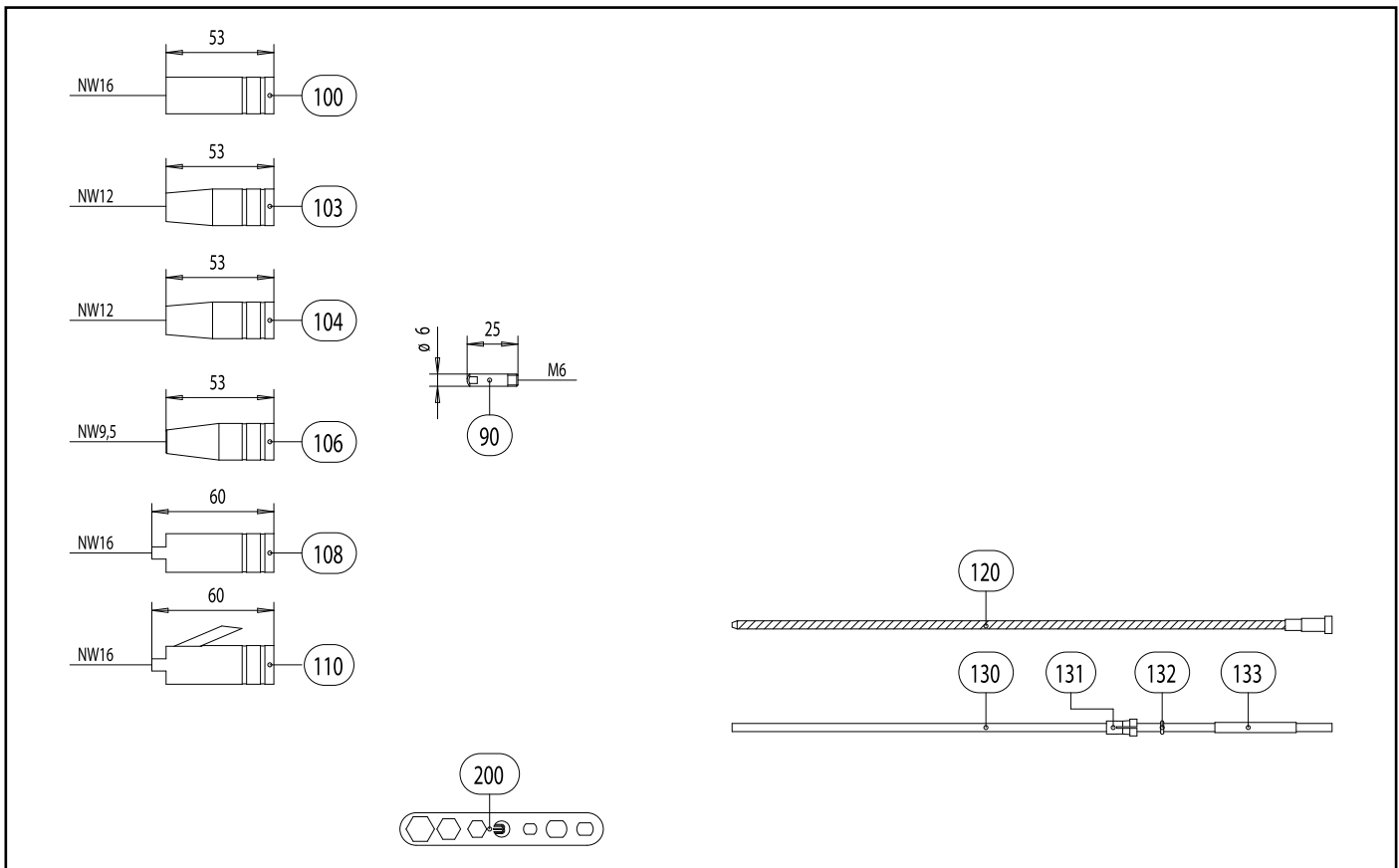


# MIG/MAG Welding Torches MB EVO PRO 15



Pos.	Description	Details	Part-No.	Product group
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
90	Contact tip M6 E-Cu; Ø 0.6 (6x25)	10 Pcs.	140.0008	1030
90	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
90	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
90	Contact tip M6 CuCrZr; Ø 0.6 (6x25)	10 Pcs.	140.0855	1031
90	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle; cylindrical; ND Ø 16.0	10 Pcs.	145.0041	1036
103	Gas nozzle; conical; ND Ø 12.0	10 Pcs.	145.0075	1036
104	Gas nozzle; conical; with extended insulation; ND Ø 12.0	10 Pcs.	145.0107	1036
106	Gas nozzle; tapered; ND Ø 9.5	10 Pcs.	145.0123	1036
108	Spot weld gas nozzle; ND Ø 16.0	10 Pcs.	145.0168	1036
110	Spot weld gas nozzle for pin-welding; ND Ø 16.0	10 Pcs.	145.0186	1036
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 5.00 m		124.0015	1034

# MIG/MAG Welding Torches MB EVO PRO 15



## Pos. Description

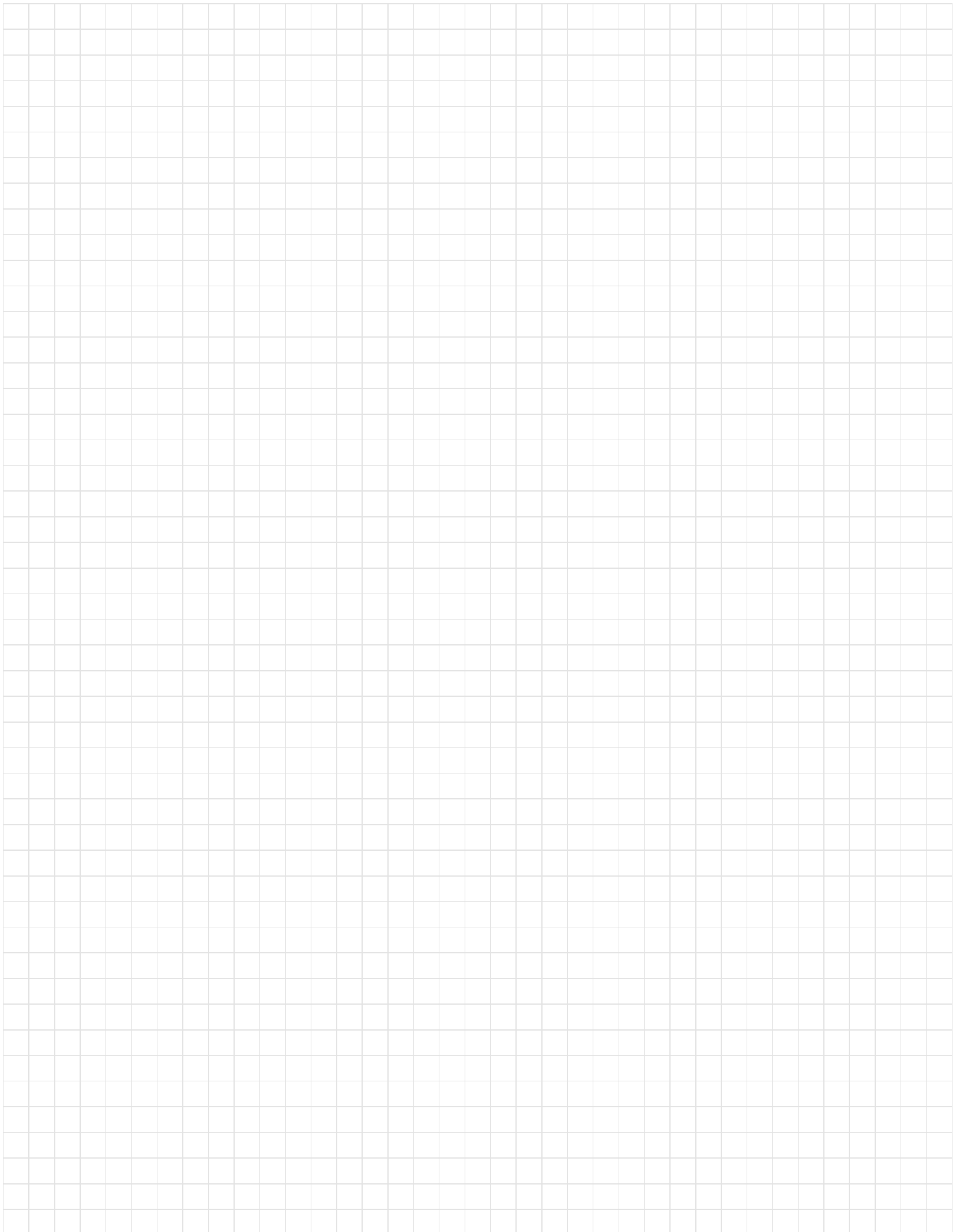
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## Part-No.

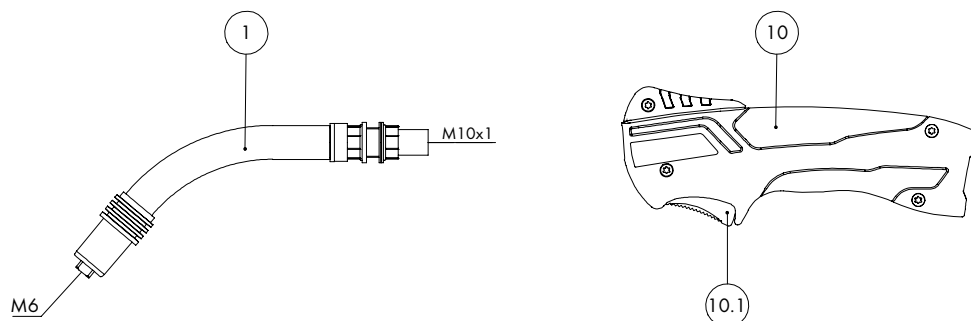
## Product group

Pos.	Description	Details	Part-No.	Product group
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at $\varnothing$ 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to $\varnothing$ 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# Notes

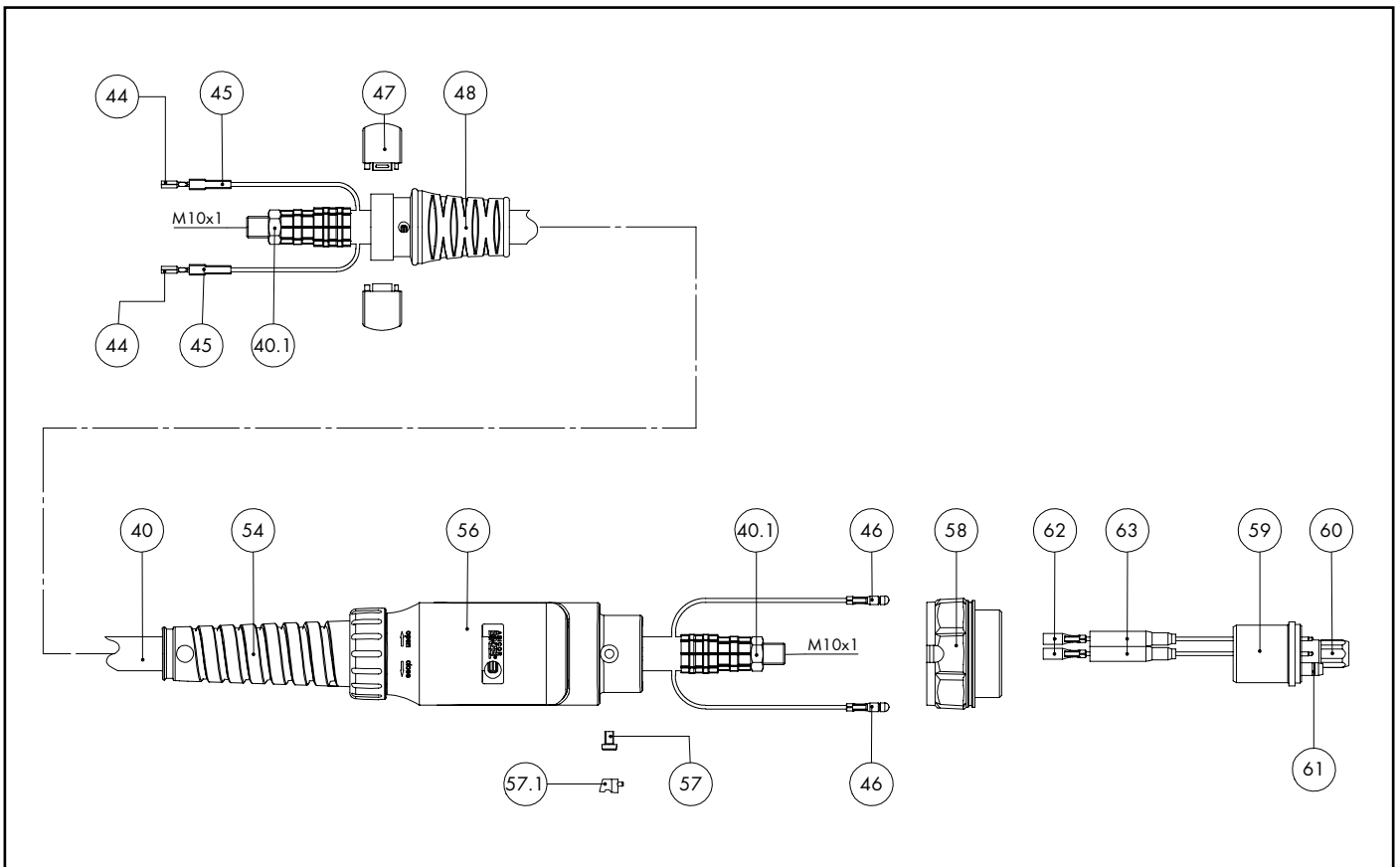


# MIG/MAG Welding Torches MB EVO PRO 24



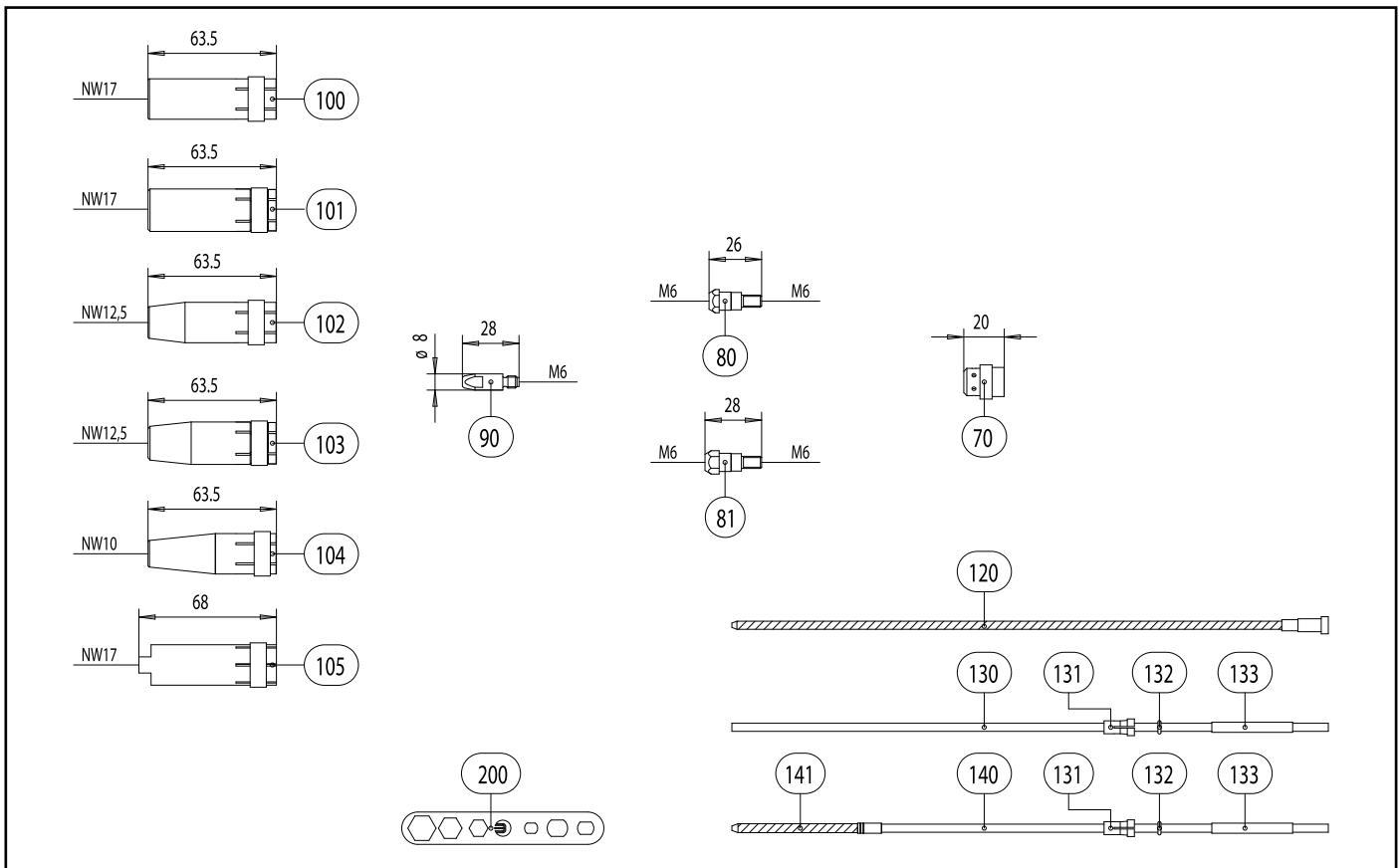
Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO PRO 24; central adaptor KZ-2; 3.00 m		012.0371.1	1073
	MB EVO PRO 24; central adaptor KZ-2; 4.00 m		012.0372.1	1073
	MB EVO PRO 24; central adaptor KZ-2; 5.00 m		012.0373.1	1073
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 24; 50° bent		012.0374.1	1007
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole ac complete		180.0176.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® LW-power cable, R37 for 3.00 m		160.1330.1	1511
40	Bikox® LW-power cable, R37 for 4.00 m		160.1331.1	1511
40	Bikox® LW-power cable, R37 for 5.00 m		160.1332.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

# MIG/MAG Welding Torches MB EVO PRO 24



Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036

# MIG/MAG Welding Torches MB EVO PRO 24



## Pos. Description

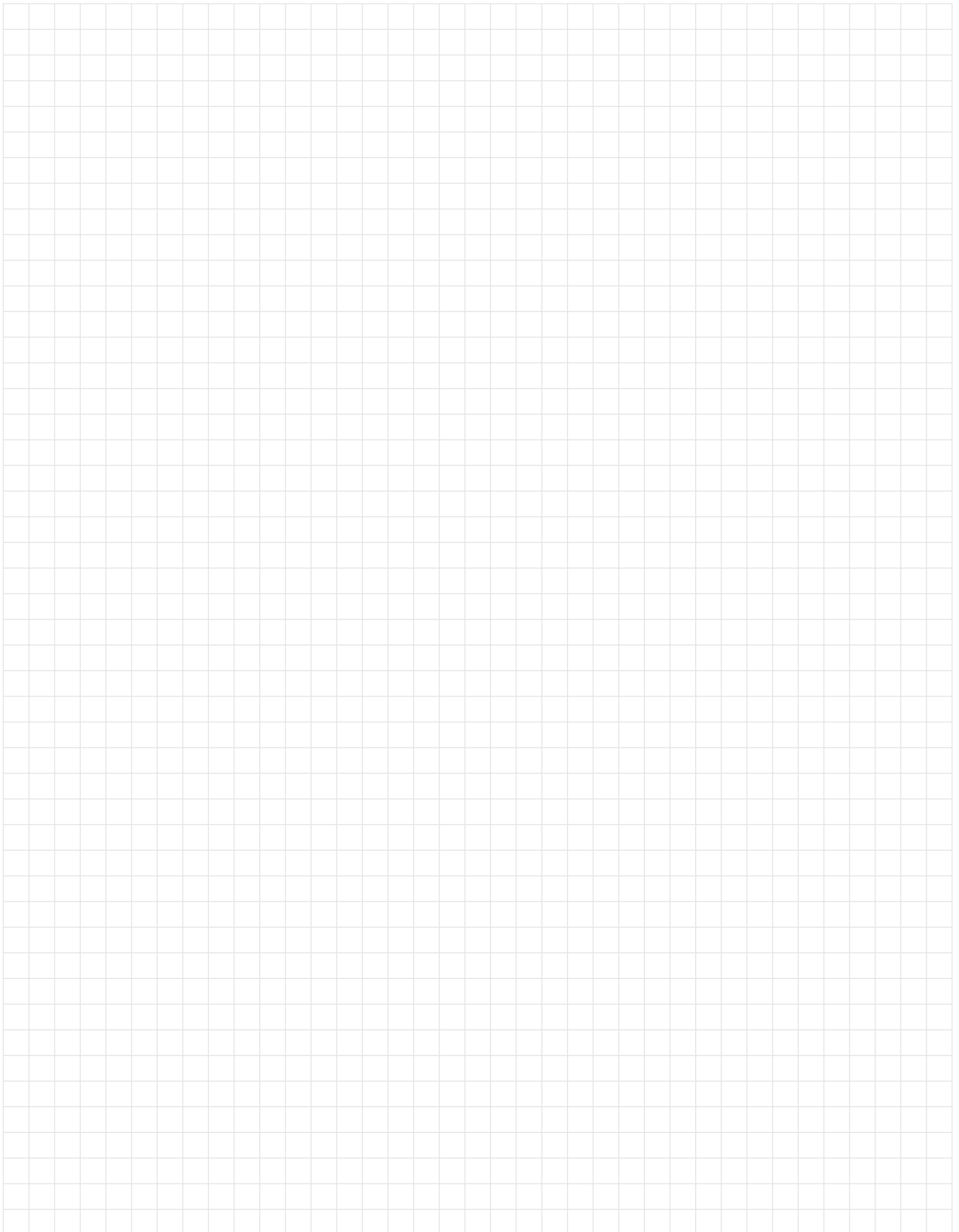
## Details

## Part-No.

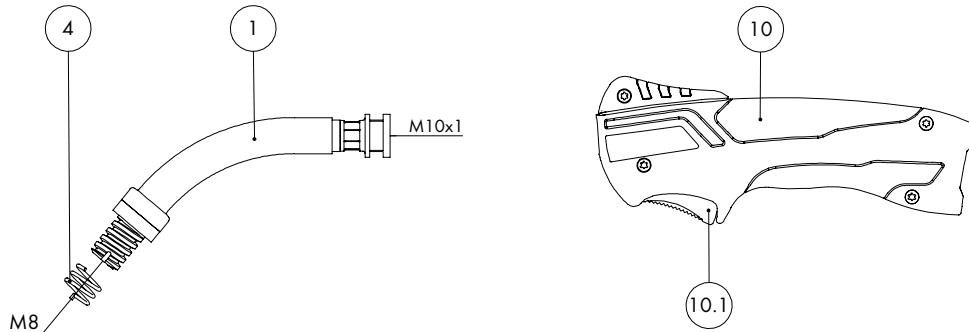
## Product group

Pos.	Description	Details	Part-No.	Product group
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# Notes



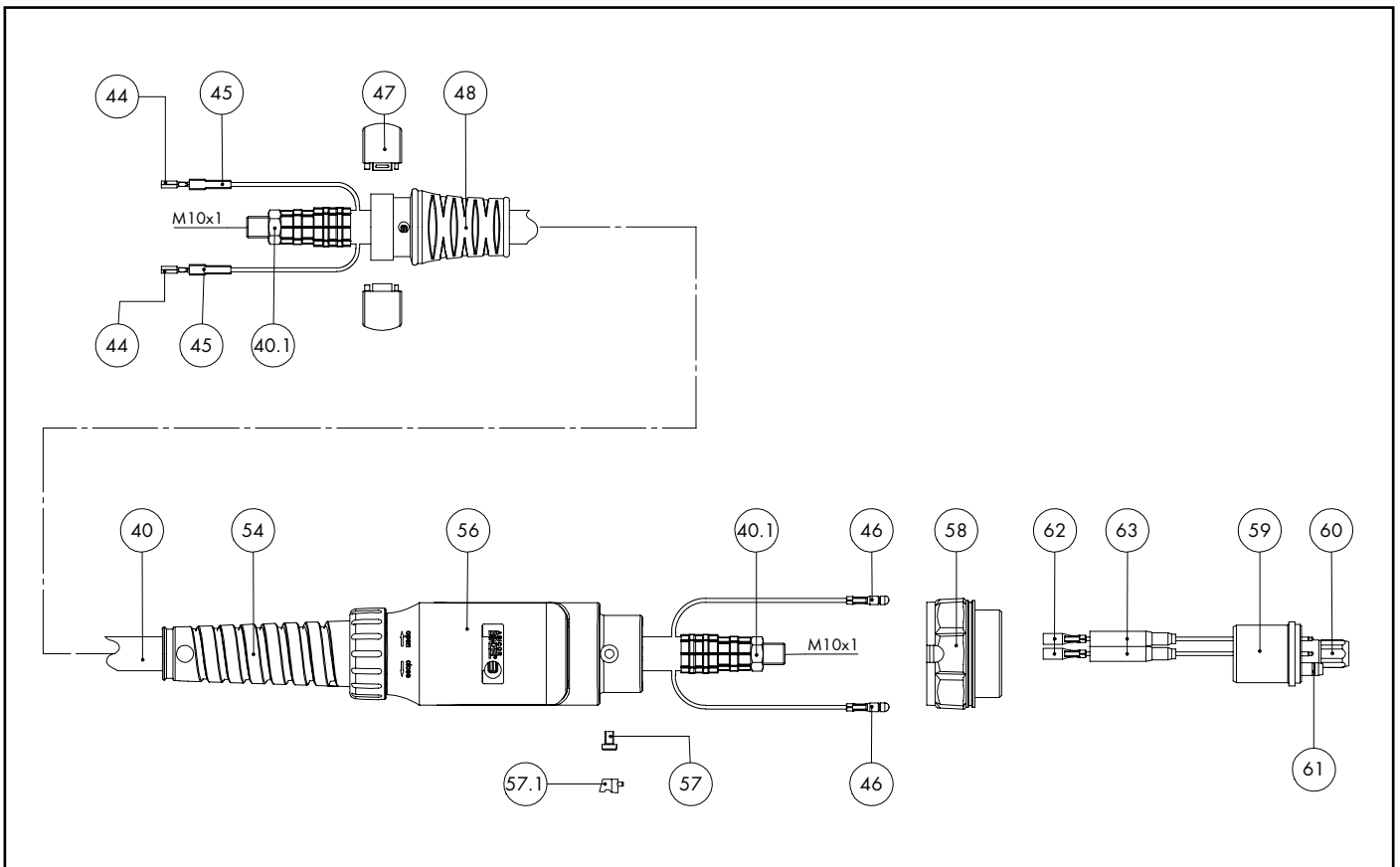
# MIG/MAG Welding Torches MB EVO PRO 25



Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO PRO 25; central adaptor KZ-2; 3.00 m		004.0671.1	1073
	MB EVO PRO 25; central adaptor KZ-2; 4.00 m		004.0672.1	1073
	MB EVO PRO 25; central adaptor KZ-2; 5.00 m		004.0673.1	1073
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 25; 50° bent		004.0663.1	1007
4	Nozzle spring	100 Pcs.	003.0013	1095
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole ac complete		180.0176.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® LW-power cable, R28 for 3.00 m		160.H032.1	1511
40	Bikox® LW-power cable, R28 for 4.00 m		160.H033.1	1511
40	Bikox® LW-power cable, R28 for 5.00 m		160.H034.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

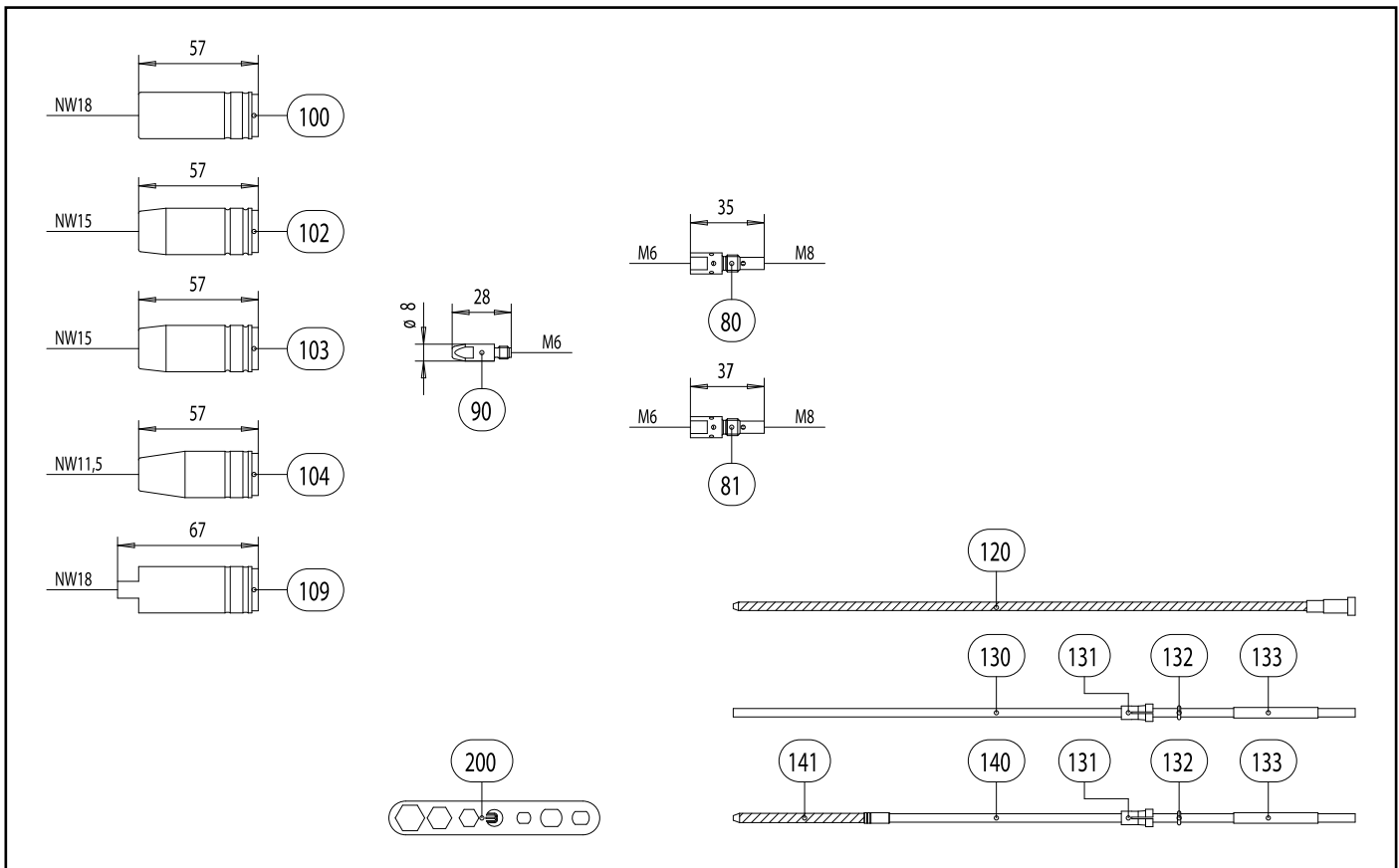


# MIG/MAG Welding Torches MB EVO PRO 25



Pos.	Description	Details	Part-No.	Product group
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
80	Contact tip holder M6; 35.0 mm	10 Pcs.	142.0001	1033
81	Contact tip holder M6; 37.0 mm	10 Pcs.	142.0267.10	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 18.0	10 Pcs.	145.0042	1036
102	Gas nozzle; conical; ND Ø 15.0	10 Pcs.	145.0076	1036
103	Gas nozzle; conical; with extended insulation; ND Ø 15.0	10 Pcs.	145.0100	1036
104	Gas nozzle; tapered; ND Ø 11.5	10 Pcs.	145.0124	1036
109	Spot weld gas nozzle; ND Ø 18.0	10 Pcs.	145.0169	1036
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0012	1034

# MIG/MAG Welding Torches MB EVO PRO 25



## Pos. Description

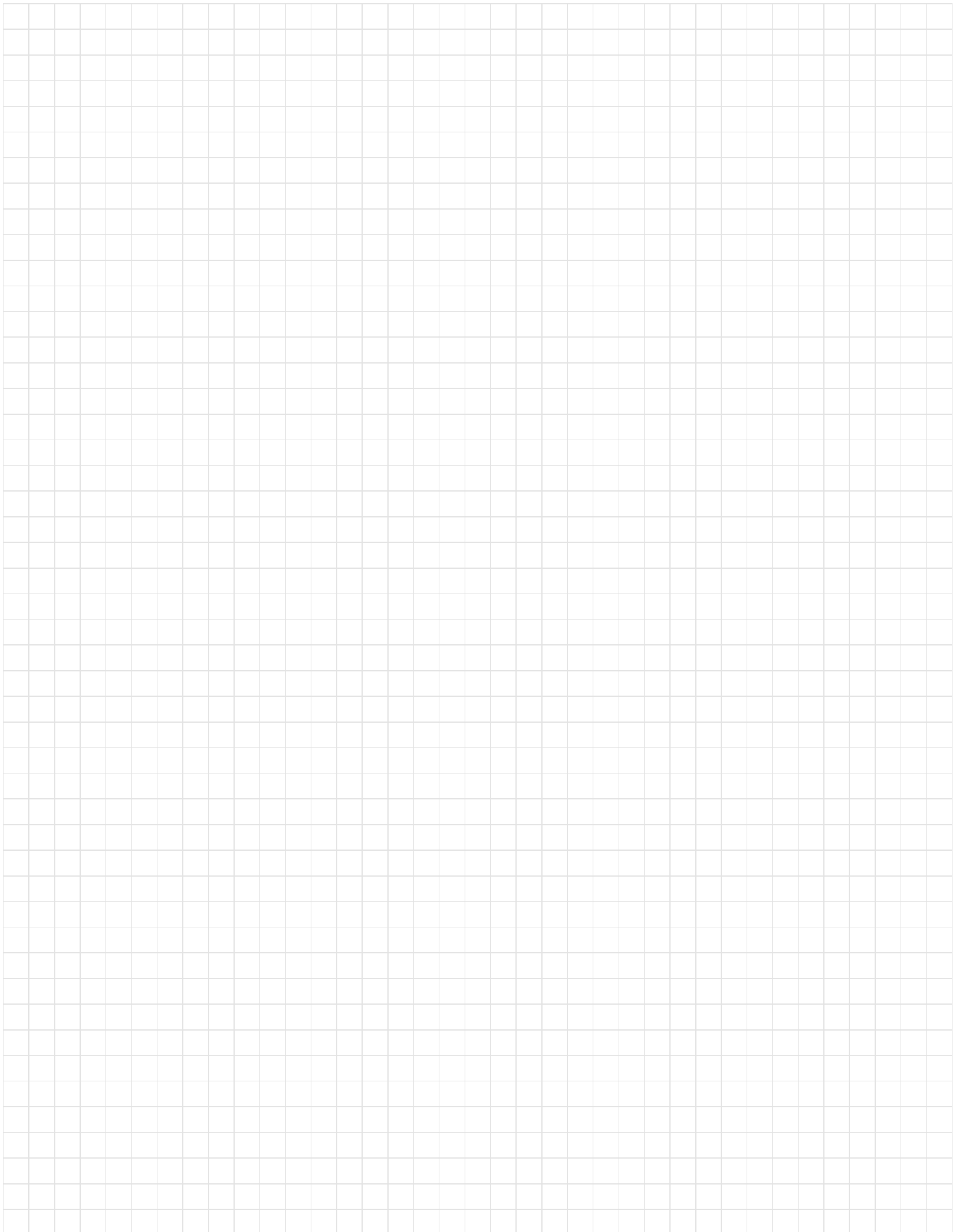
## Details

## Part-No.

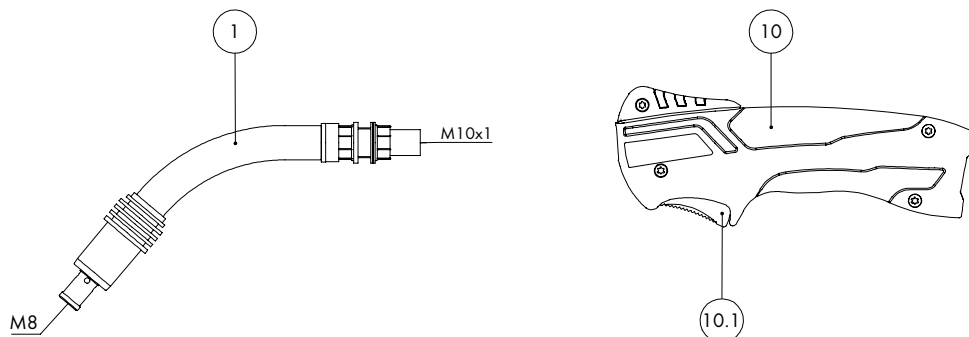
## Product group

Pos.	Description	Details	Part-No.	Product group
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# Notes

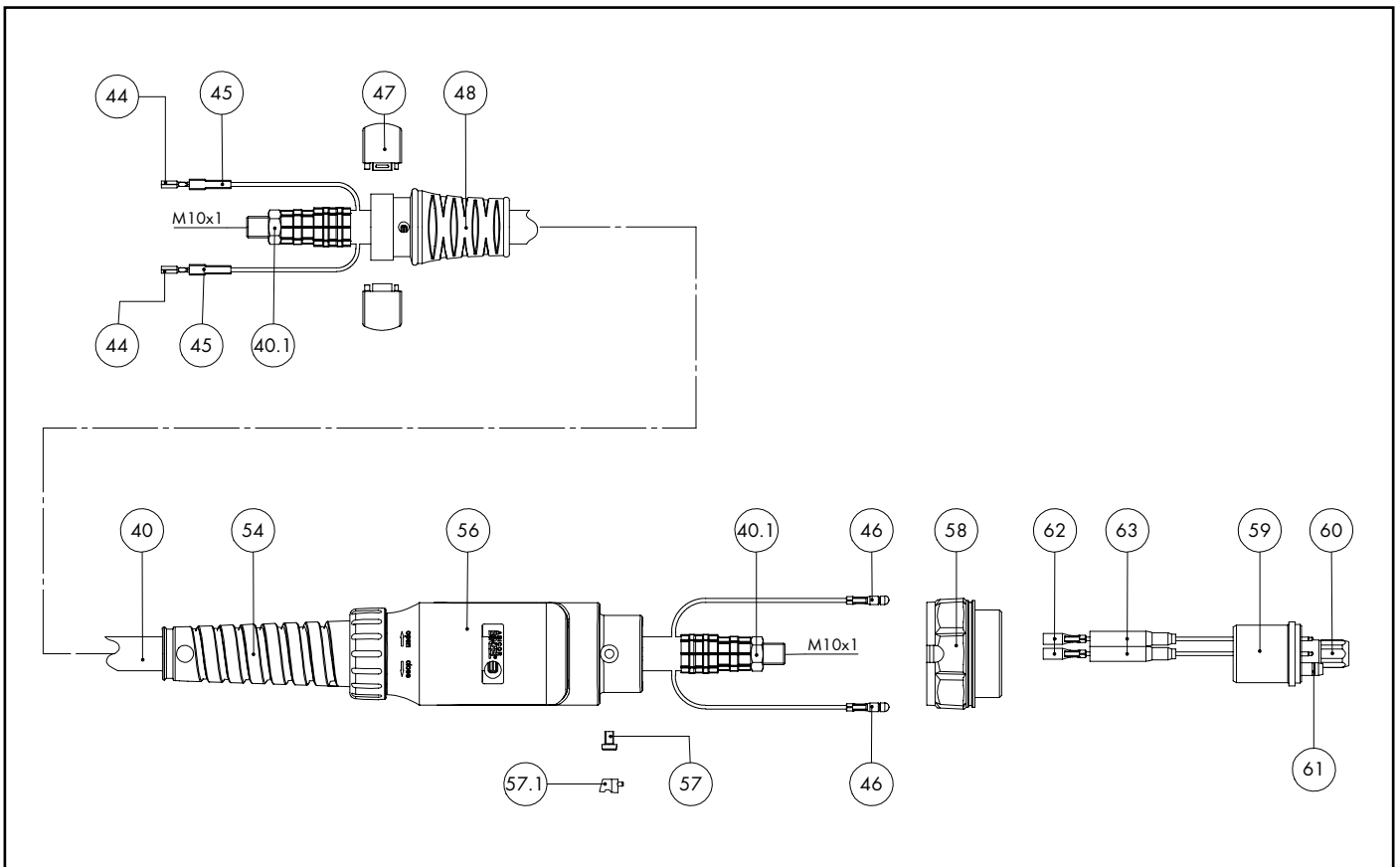


# MIG/MAG Welding Torches MB EVO PRO 26



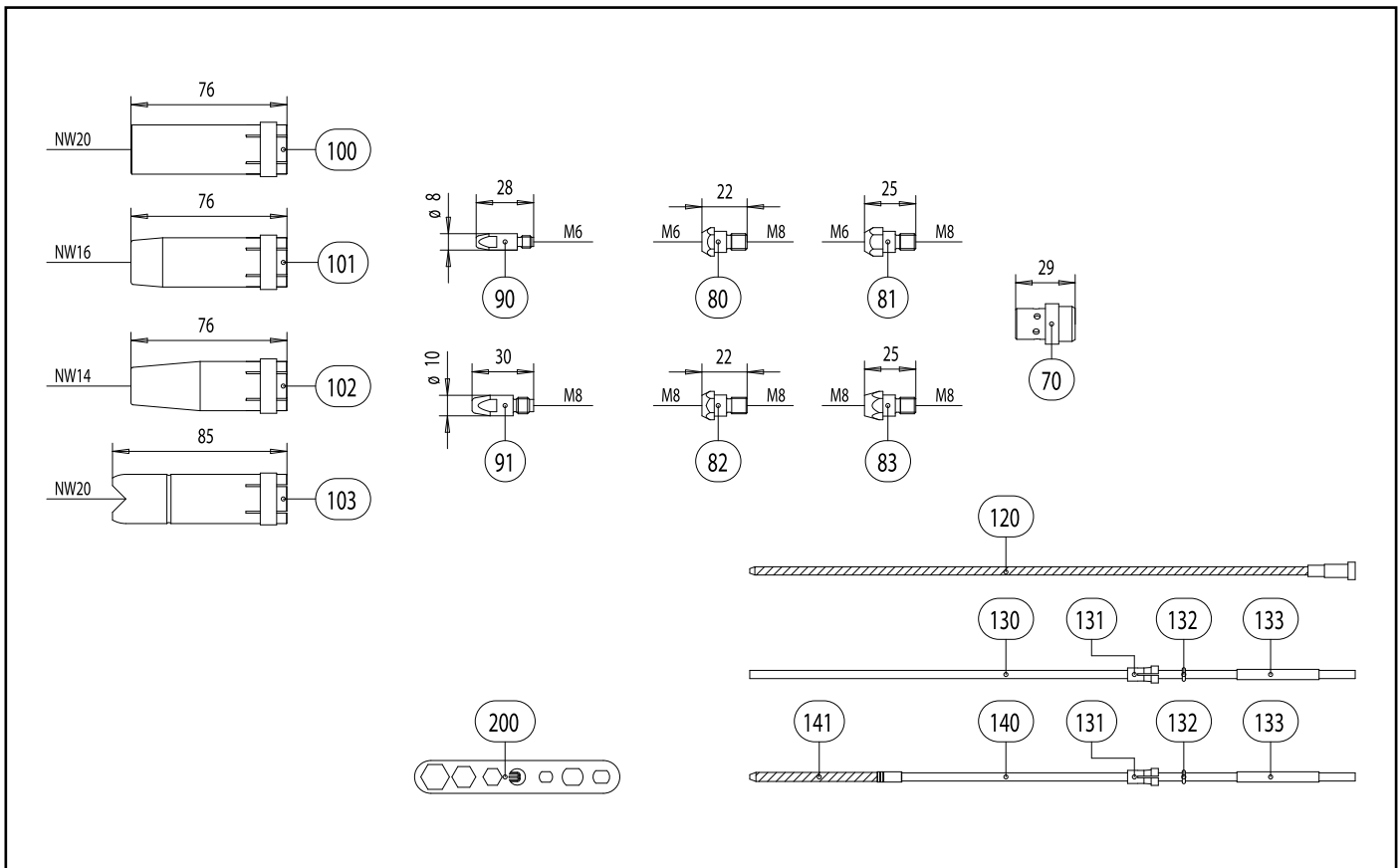
Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO PRO 26; central adaptor KZ-2; 3.00 m		018.0211.1	1075
	MB EVO PRO 26; central adaptor KZ-2; 4.00 m		018.0212.1	1075
	MB EVO PRO 26; central adaptor KZ-2; 5.00 m		018.0213.1	1075
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 26; 50° bent		018.0214.1	1014
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole ac complete		180.0176.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® LW-power cable, R42 for 3.00 m		160.H039.1	1511
40	Bikox® LW-power cable, R42 for 4.00 m		160.H040.1	1511
40	Bikox® LW-power cable, R42 for 5.00 m		160.H041.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

# MIG/MAG Welding Torches MB EVO PRO 26



Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	018.0116	1032
70	Gas diffuser, ceramic	10 Pcs.	018.0141	1032
80	Contact tip holder M6; 22.0 mm (short)	10 Pcs.	142.0007	1033
81	Contact tip holder M6; 25.0 mm (long)	10 Pcs.	142.0012	1033
82	Contact tip holder M8; 22.0 mm (short)	10 Pcs.	142.0082	1033
83	Contact tip holder M8; 25.0 mm (long)	10 Pcs.	142.0026	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031

# MIG/MAG Welding Torches MB EVO PRO 26

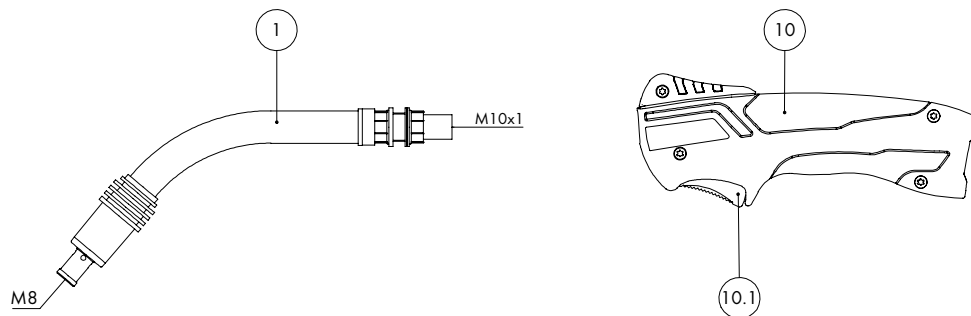


## Pos. Description

Pos.	Description	Details	Part-No.	Product group
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
103	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034



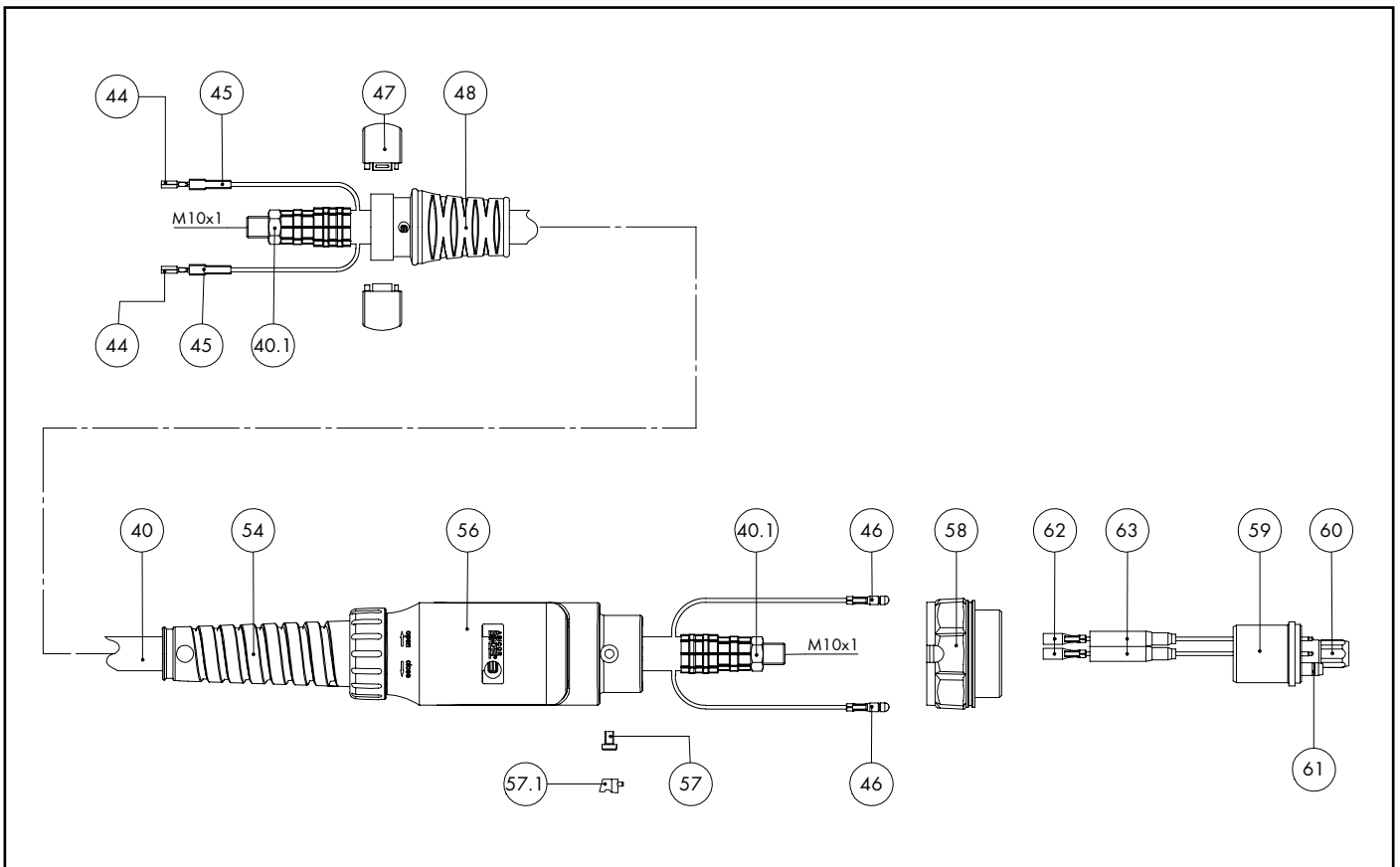
# MIG/MAG Welding Torches MB EVO PRO 36



Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO PRO 36; central adaptor KZ-2; 3.00 m		014.0529.1	1075
	MB EVO PRO 36; central adaptor KZ-2; 4.00 m		014.0530.1	1075
	MB EVO PRO 36; central adaptor KZ-2; 5.00 m		014.0531.1	1075
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 36; 50° bent		014.0518.1	1014
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole ac complete		180.0176.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® LW-power cable, R53 for 3.00 m		160.H046.1	1511
40	Bikox® LW-power cable, R53 for 4.00 m		160.H047.1	1511
40	Bikox® LW-power cable, R53 for 5.00 m		160.H048.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

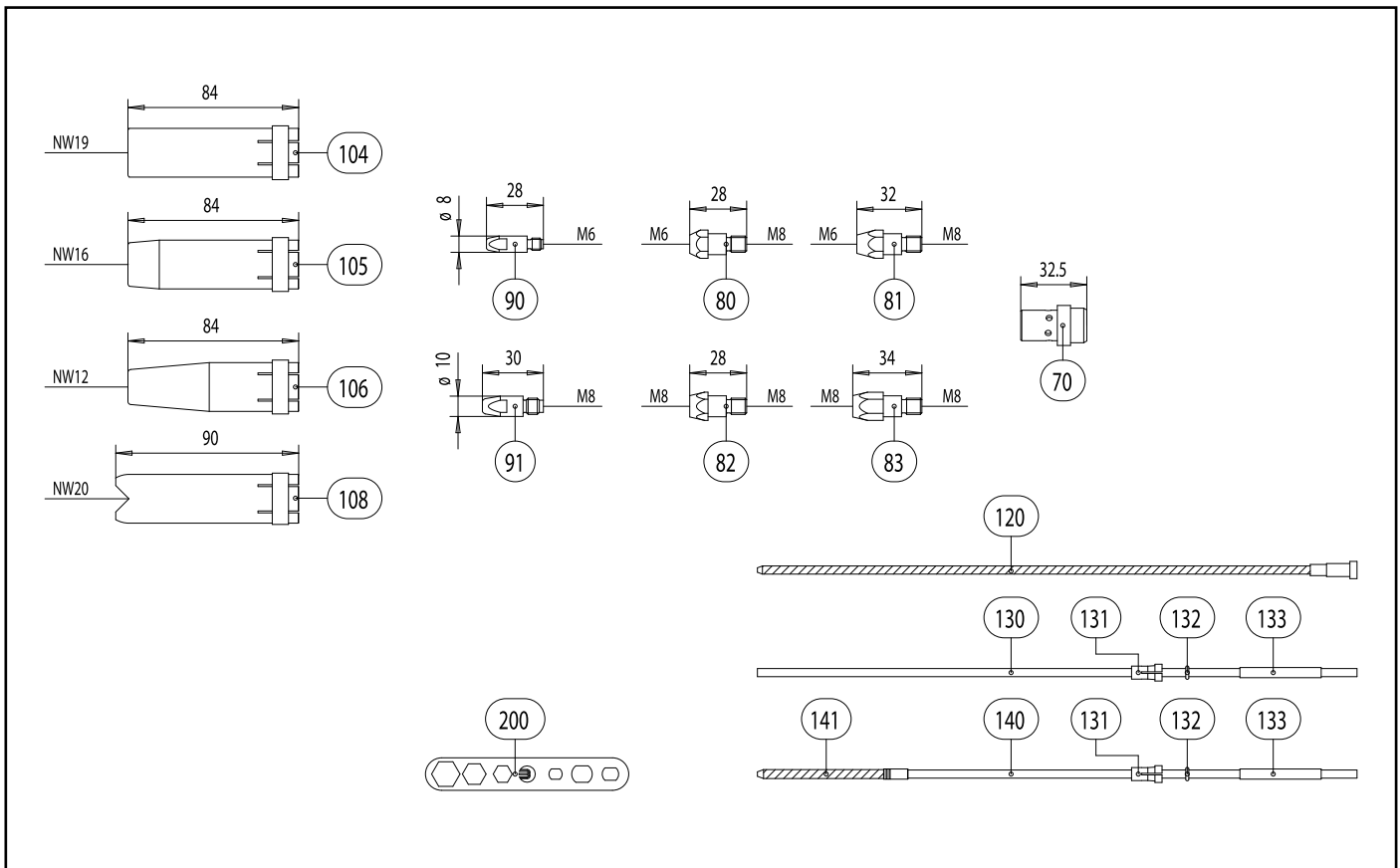


# MIG/MAG Welding Torches MB EVO PRO 36



Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	014.0261	1032
70	Gas diffuser, long life	10 Pcs.	014.0026	1032
70	Gas diffuser, ceramic	10 Pcs.	014.0023	1032
80	Contact tip holder M6; 28.0 mm (short)	10 Pcs.	142.0005	1033
81	Contact tip holder M6; 32.0 mm (long)	10 Pcs.	142.0011	1033
82	Contact tip holder M8; 28.0 mm (short)	10 Pcs.	142.0020	1033
83	Contact tip holder M8; 34.0 mm (long)	10 Pcs.	142.0024	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030

# MIG/MAG Welding Torches MB EVO PRO 36



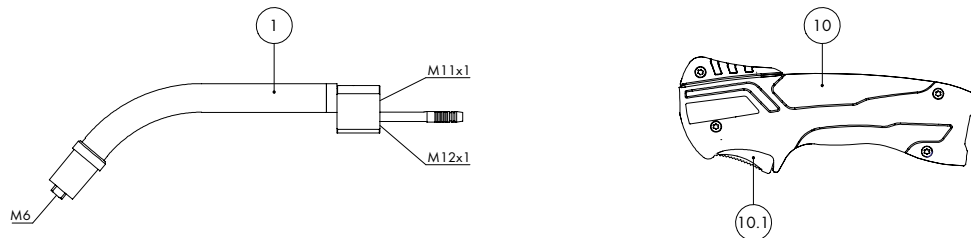
## Pos. Description

Pos.	Description	Details	Part-No.	Product group
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
104	Gas nozzle; cylindrical; ND Ø 19.0	10 Pcs.	145.0045	1037
105	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0078	1037
106	Gas nozzle; tapered; ND Ø 12.0	10 Pcs.	145.0126	1037
108	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0172	1037
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034

# MIG/MAG Welding Torches MB EVO PRO 36

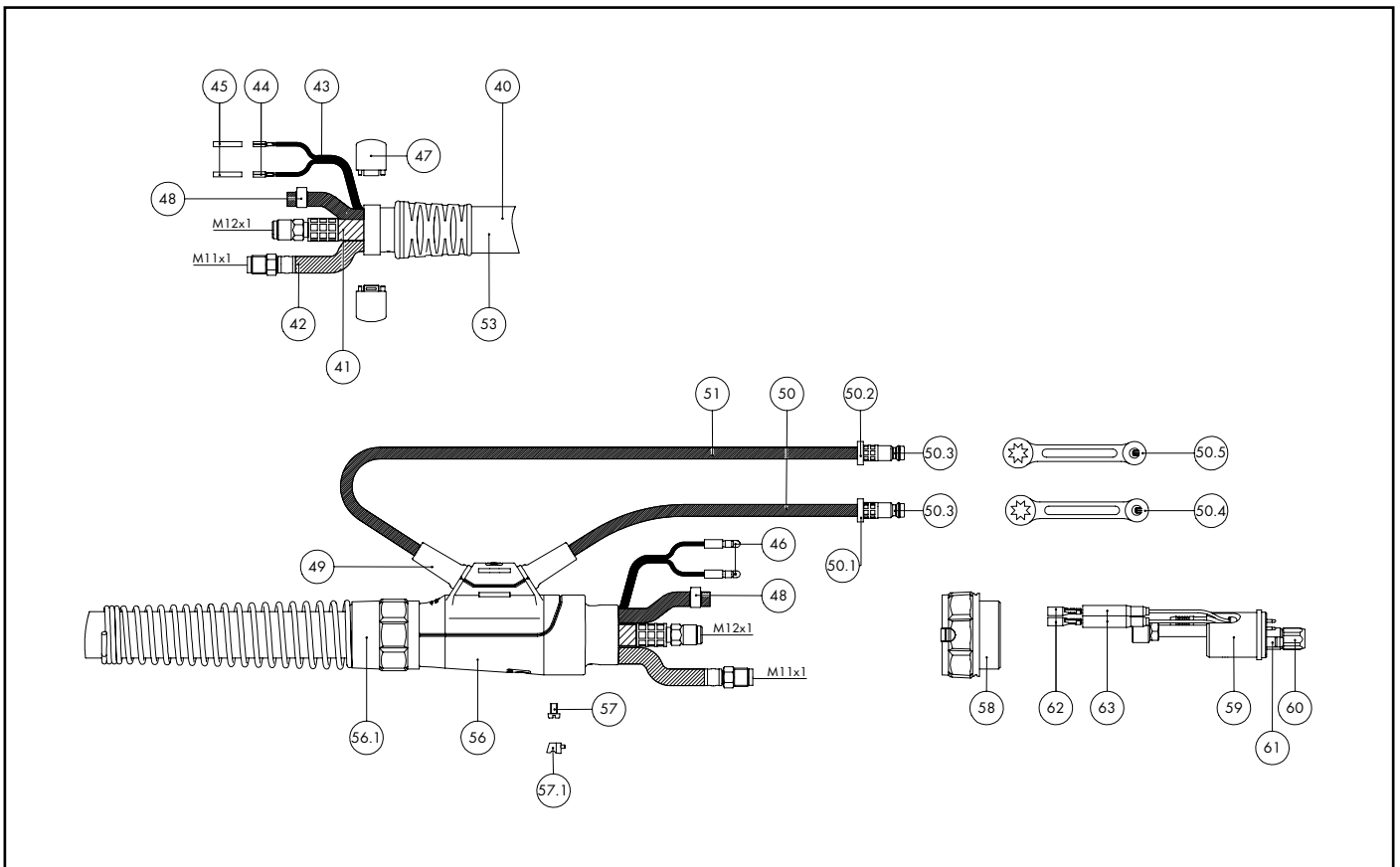
Pos.	Description	Details	Part-No.	Product group
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# MIG/MAG Welding Torches MB EVO PRO 240 D



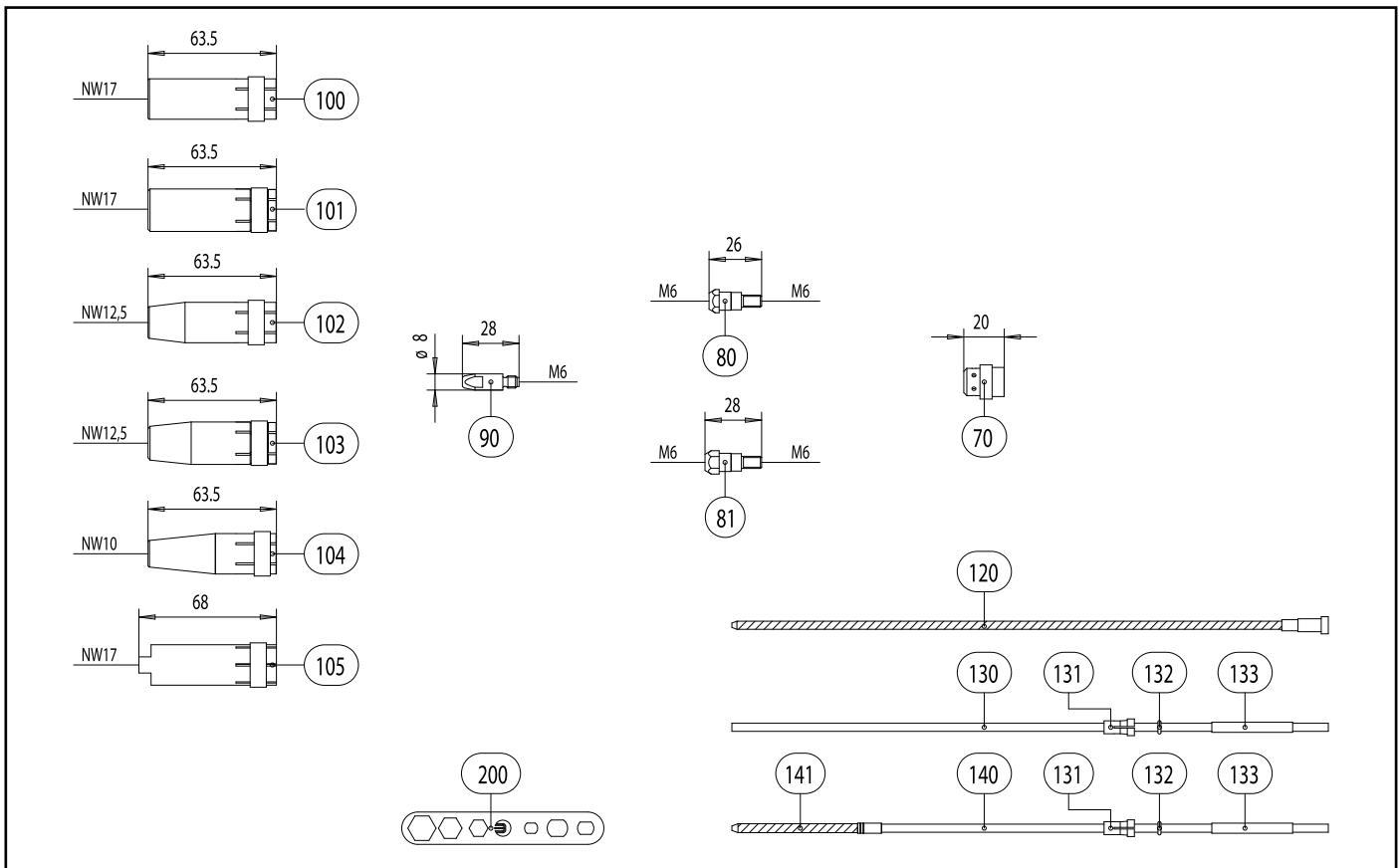
Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO PRO 240 D; central adaptor WZ-2; 3.00 m		023.0319.1	1074
	MB EVO PRO 240 D; central adaptor WZ-2; 4.00 m		023.0320.1	1074
	MB EVO PRO 240 D; central adaptor WZ-2; 5.00 m		023.0321.1	1074
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 240 D; 50° bent		023.0316.1	1009
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole 1c complete		180.0177.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Cable assembly MB EVO PRO 3.00 m		022.0259.1	1095
40	Cable assembly MB EVO PRO 4.00 m		022.0260.1	1095
40	Cable assembly MB EVO PRO 5.00 m		022.0261.1	1095
41	Power cable FRH 3.00 m; MB EVO PRO		115.0830.1	1012
41	Power cable FRH 4.00 m; MB EVO PRO		115.0831.1	1012
41	Power cable FRH 5.00 m; MB EVO PRO		115.0832.1	1012
42	Wire/gas conduit 3.00 m; MB EVO PRO / MB EVO		154.0017.1	1012
42	Wire/gas conduit 4.00 m; MB EVO PRO / MB EVO		154.0018.1	1012
42	Wire/gas conduit 5.00 m; MB EVO PRO / MB EVO		154.0019.1	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulation hose	20 Pcs.	110.0043.20	1395
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
49	Cable support sleeve PVC and FRH hose	10 Pcs.	500.0558.10	1395

# MIG/MAG Welding Torches MB EVO PRO 240 D



Pos.	Description	Details	Part-No.	Product group
50	Hose 42 FRH black; Ø 5.5x1.5	40 m	109.0052	4050
50.1	Code colour ring blue	20 Pcs.	501.2167	9010
50.2	Code colour ring red	20 Pcs.	501.2166	9010
50.3	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
50.3	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
50.4	Fastener cap blue	20 Pcs.	501.2424	1095
50.5	Fastener cap red	20 Pcs.	501.2423	1095
51	Hose 42 FRH black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
53	Outer cover complete 3.00 m; MB EVO PRO / MB EVO		107.0109.1	1095
53	Outer cover complete 4.00 m; MB EVO PRO / MB EVO		107.0110.1	1095
53	Outer cover complete 5.00 m; MB EVO PRO / MB EVO		107.0111.1	1095
56	Connection housing lc complete; MB EVO PRO / MB EVO		501.2670.1	9010
56.1	Connecting set machine side cpl. for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside	10 Pcs.	400.0328	9010
56.1	Biclip outside	10 Pcs.	400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2 / M12x1; MB EVO PRO / MB EVO		501.2677.1	9010
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adaptor	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032

# MIG/MAG Welding Torches MB EVO PRO 240 D



## Pos. Description

## Details

## Part-No.

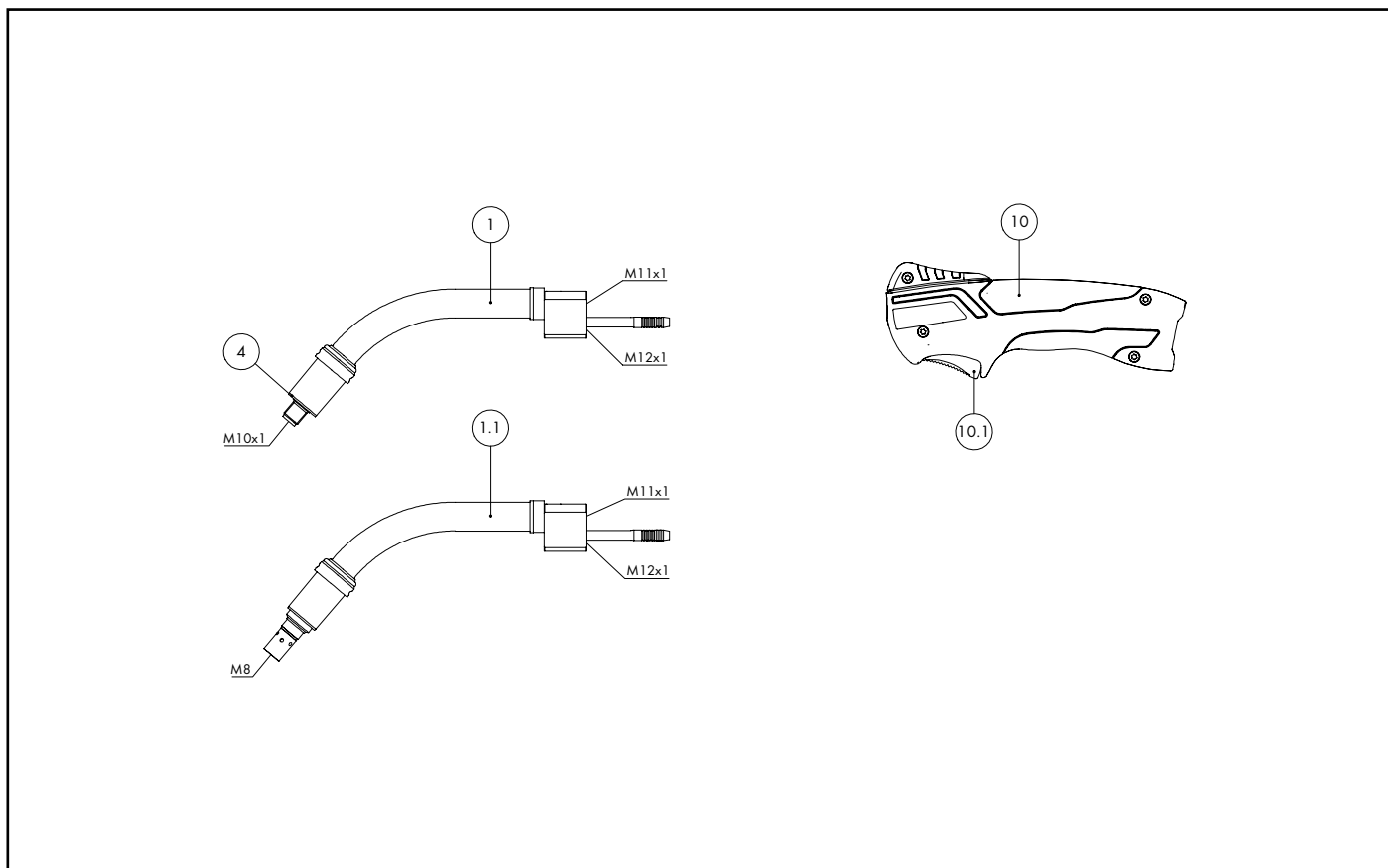
## Product group

Pos.	Description	Details	Part-No.	Product group
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0137	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0138	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0139	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0112	1334

# MIG/MAG Welding Torches MB EVO PRO 240 D

Pos.	Description	Details	Part-No.	Product group
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0113	1334
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

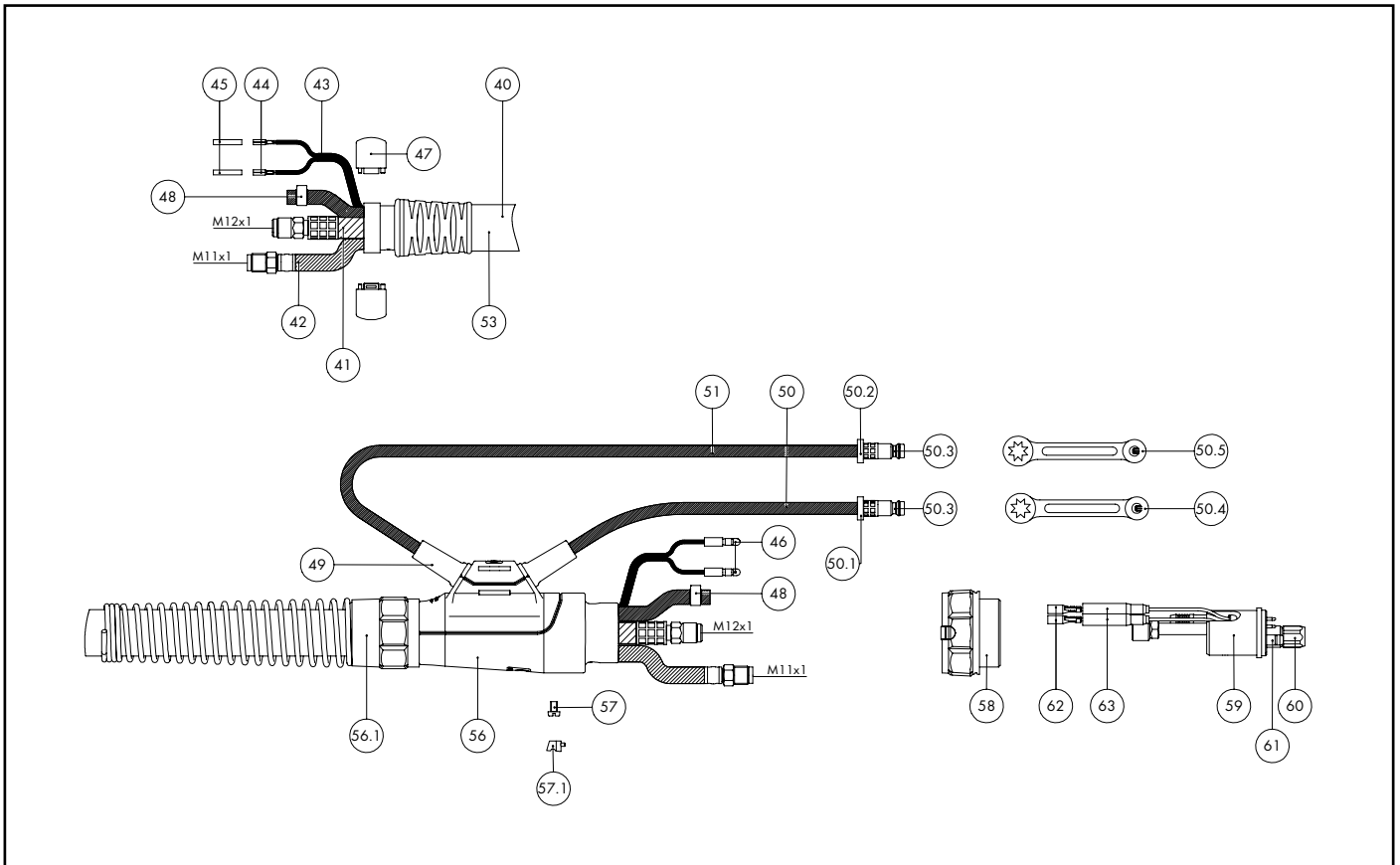
# MIG/MAG Welding Torches MB EVO PRO 401 / 401 D



Pos.	Description	Details	Part-No.	Product group
<b>Torch (D-Version)</b>				
	MB EVO PRO 401 D; central adaptor WZ-2; 3.00 m		033.0384.1	1074
	MB EVO PRO 401 D; central adaptor WZ-2; 4.00 m		033.0385.1	1074
	MB EVO PRO 401 D; central adaptor WZ-2; 5.00 m		033.0386.1	1074
<b>Torch</b>				
	MB EVO PRO 401; central adaptor WZ-2; 3.00 m		030.0244.1	1074
	MB EVO PRO 401; central adaptor WZ-2; 4.00 m		030.0245.1	1074
	MB EVO PRO 401; central adaptor WZ-2; 5.00 m		030.0246.1	1074
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 401 D; 50° bent		033.0378.1	1009
1.1	Swan neck MB EVO PRO 401; 50° bent		030.0242.1	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole Ic complete		180.0177.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Cable assembly MB EVO PRO 3.00 m		022.0259.1	1095
40	Cable assembly MB EVO PRO 4.00 m		022.0260.1	1095
40	Cable assembly MB EVO PRO 5.00 m		022.0261.1	1095
41	Power cable FRH 3.00 m; MB EVO PRO		115.0830.1	1012
41	Power cable FRH 4.00 m; MB EVO PRO		115.0831.1	1012
41	Power cable FRH 5.00 m; MB EVO PRO		115.0832.1	1012
42	Wire/gas conduit 3.00 m; MB EVO PRO / MB EVO		154.0017.1	1012
42	Wire/gas conduit 4.00 m; MB EVO PRO / MB EVO		154.0018.1	1012
42	Wire/gas conduit 5.00 m; MB EVO PRO / MB EVO		154.0019.1	1012
43	Control cable 2-pole	200 m	100.0019	4050

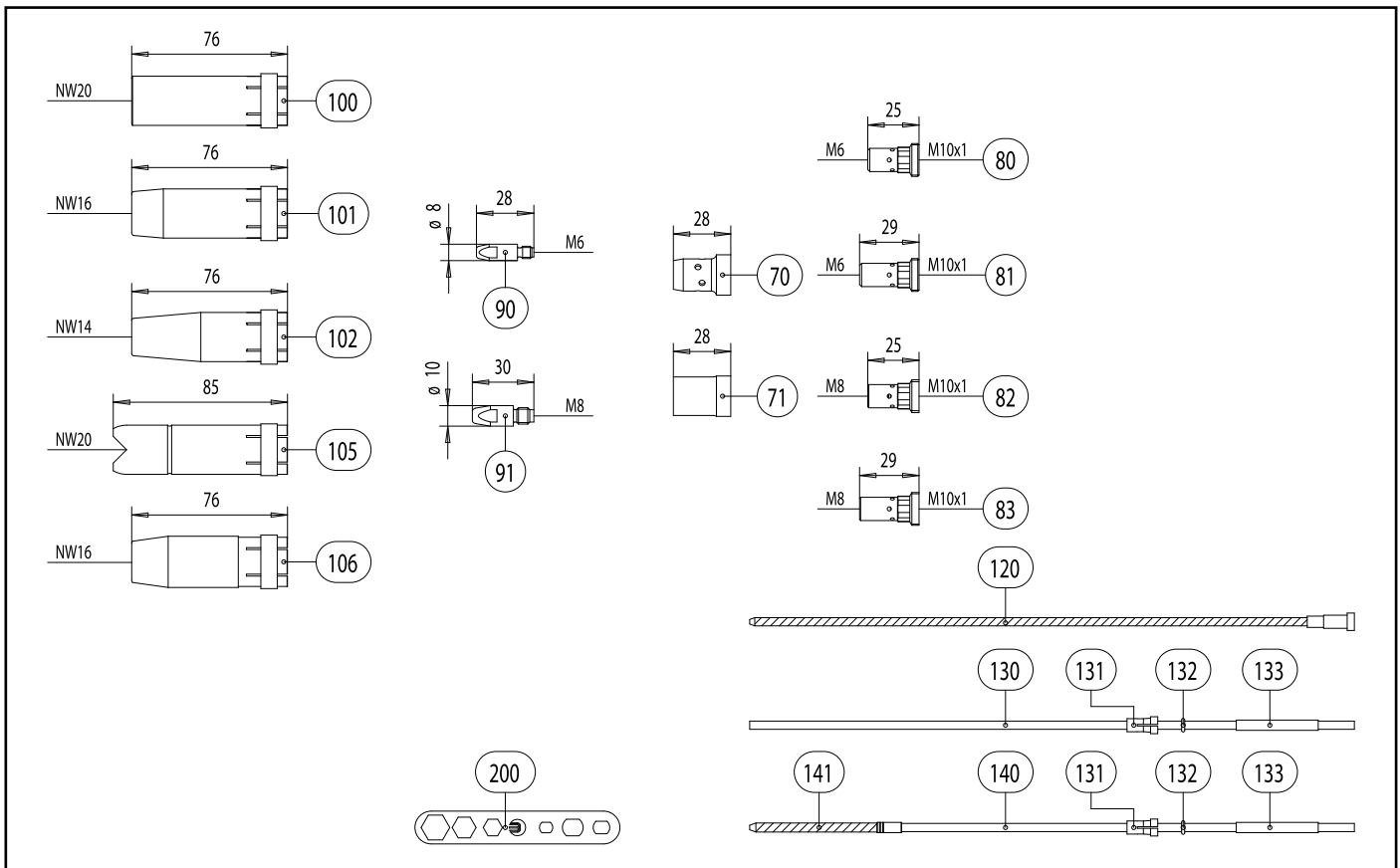


# MIG/MAG Welding Torches MB EVO PRO 401 / 401 D



Pos.	Description	Details	Part-No.	Product group
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulation hose	20 Pcs.	110.0043.20	1395
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
49	Cable support sleeve PVC and FRH hose	10 Pcs.	500.0558.10	1395
50	Hose 42 FRH black; Ø 5.5x1.5	40 m	109.0052	4050
50.1	Code colour ring blue	20 Pcs.	501.2167	9010
50.2	Code colour ring red	20 Pcs.	501.2166	9010
50.3	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
50.3	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
50.4	Fastener cap blue	20 Pcs.	501.2424	1095
50.5	Fastener cap red	20 Pcs.	501.2423	1095
51	Hose 42 FRH black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
53	Outer cover complete 3.00 m; MB EVO PRO / MB EVO		107.0109.1	1095
53	Outer cover complete 4.00 m; MB EVO PRO / MB EVO		107.0110.1	1095
53	Outer cover complete 5.00 m; MB EVO PRO / MB EVO		107.0111.1	1095
56	Connection housing lc complete; MB EVO PRO / MB EVO		501.2670.1	9010
56.1	Connecting set machine side cpl. for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside	10 Pcs.	400.0328	9010
56.1	Biclip outside	10 Pcs.	400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2 / M12x1; MB EVO PRO / MB EVO		501.2677.1	9010

# MIG/MAG Welding Torches MB EVO PRO 401 / 401 D



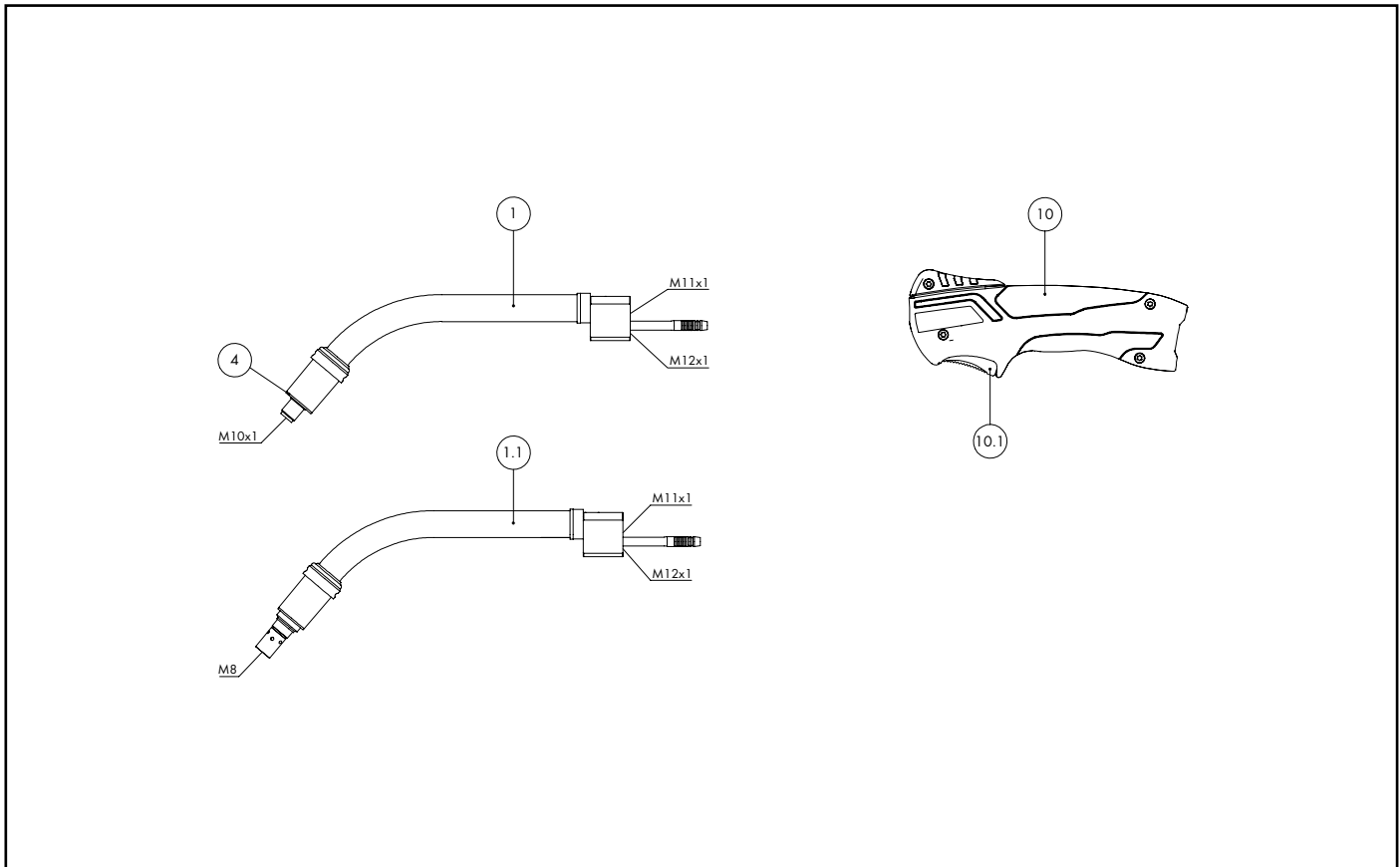
## Pos. Description

Pos.	Description	Details	Part-No.	Product group
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts MB EVO PRO 401 / 401 D</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032
<b>Wear parts MB EVO PRO 401 D</b>				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB EVO PRO 401 / 401 D</b>				
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031

# MIG/MAG Welding Torches MB EVO PRO 401 / 401 D

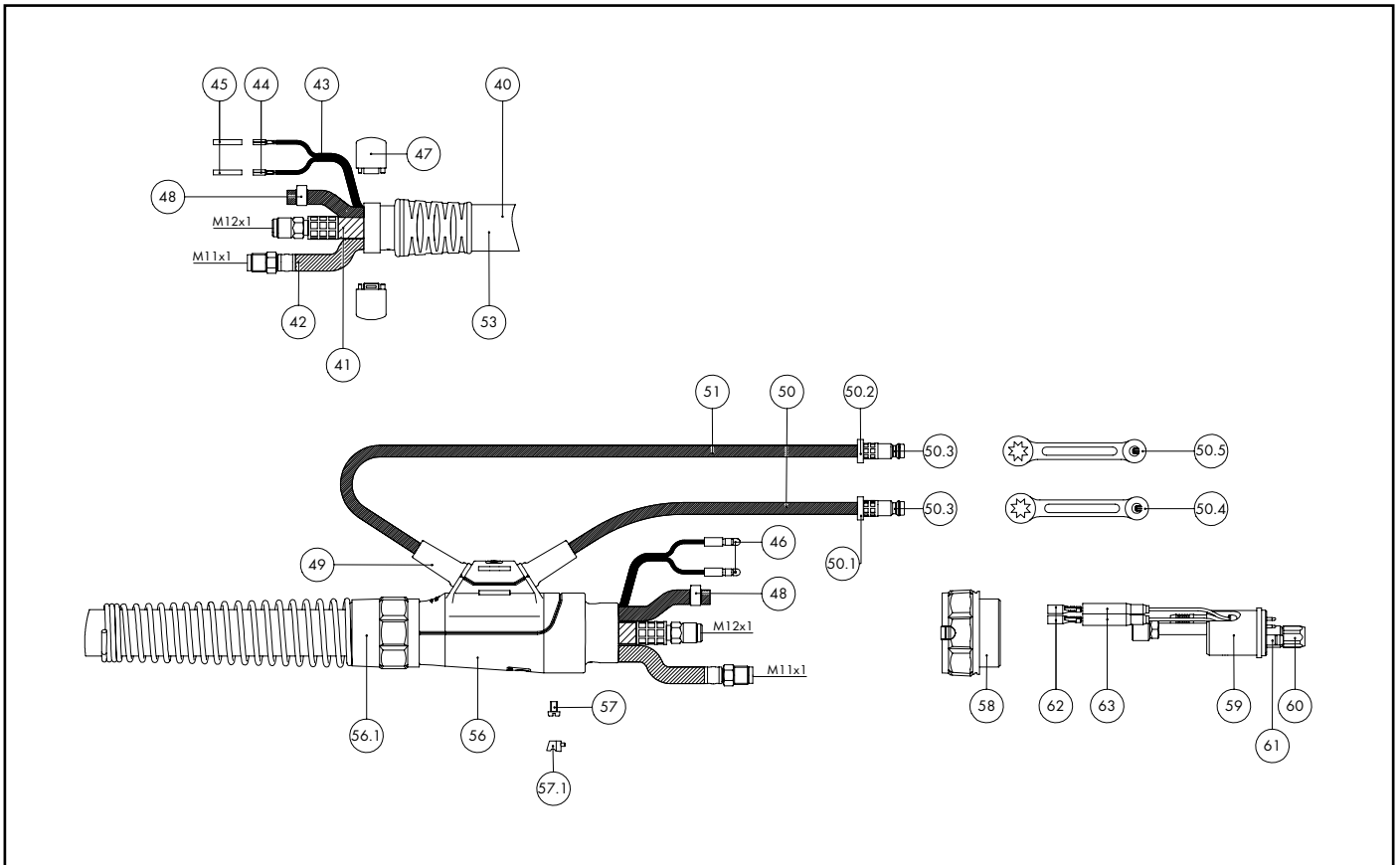
Pos.	Description	Details	Part-No.	Product group
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0137	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0138	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 5.00 m		124.0139	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 5.00 m		124.0113	1334
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# MIG/MAG Welding Torches MB EVO PRO 501 / 501 D



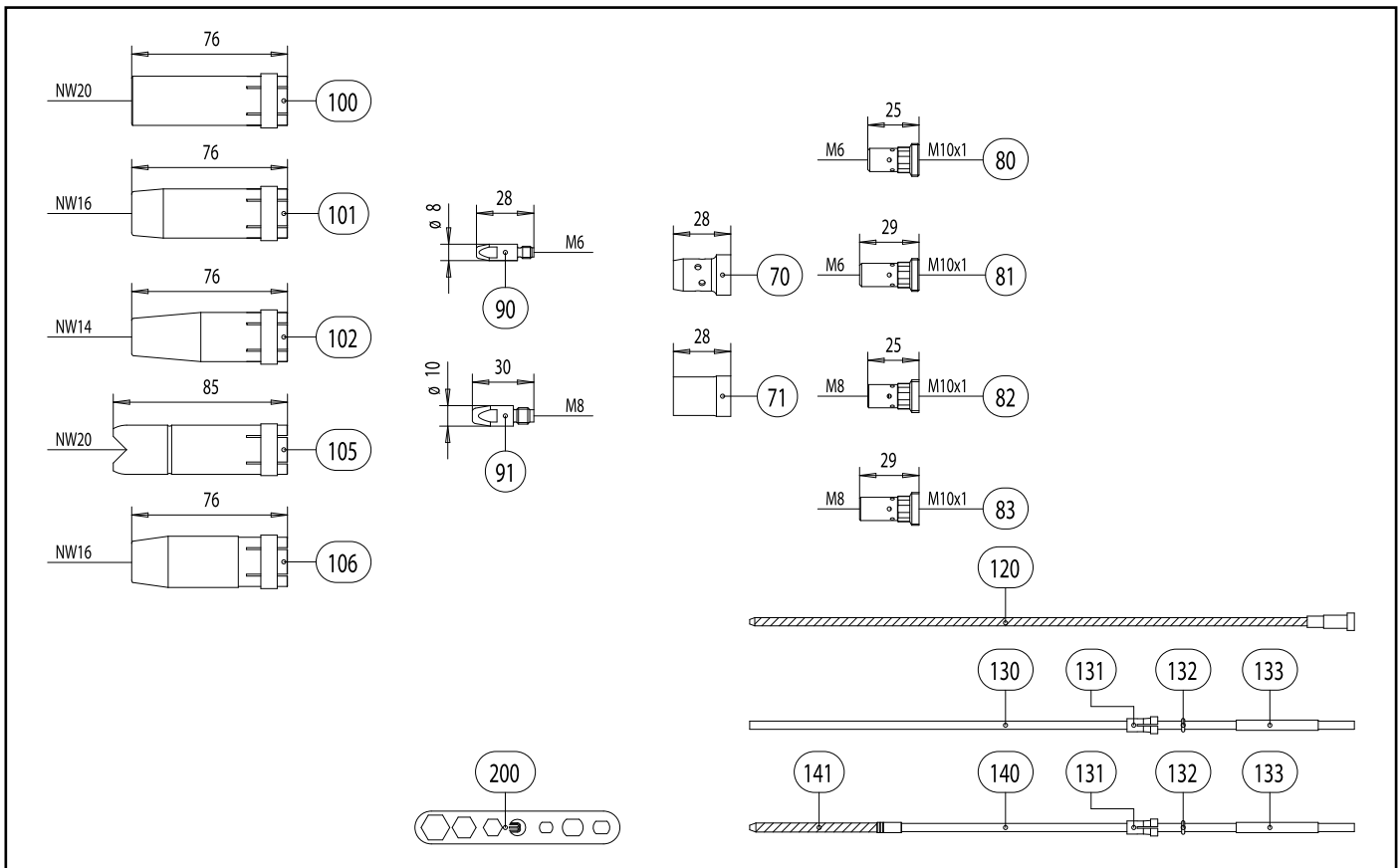
Pos.	Description	Details	Part-No.	Product group
<b>Torch (D-Version)</b>				
	MB EVO PRO 501 D; central adaptor WZ-2; 3.00 m		034.0862.1	1074
	MB EVO PRO 501 D; central adaptor WZ-2; 4.00 m		034.0863.1	1074
	MB EVO PRO 501 D; central adaptor WZ-2; 5.00 m		034.0864.1	1074
<b>Torch</b>				
	MB EVO PRO 501; central adaptor WZ-2; 3.00 m		032.0269.1	1074
	MB EVO PRO 501; central adaptor WZ-2; 4.00 m		032.0270.1	1074
	MB EVO PRO 501; central adaptor WZ-2; 5.00 m		032.0271.1	1074
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 501 D; 50° bent		034.0856.1	1009
1.1	Swan neck MB EVO PRO 501; 50° bent		032.0267.1	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Handle MB EVO PRO 2K</b>				
10	Handle MB EVO PRO 2K; 2-pole Ic complete		180.0177.1	1095
10.1	Trigger ergonomic 2-pol.; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Cable assembly MB EVO PRO 3.00 m		022.0259.1	1095
40	Cable assembly MB EVO PRO 4.00 m		022.0260.1	1095
40	Cable assembly MB EVO PRO 5.00 m		022.0261.1	1095
41	Power cable FRH 3.00 m; MB EVO PRO		115.0830.1	1012
41	Power cable FRH 4.00 m; MB EVO PRO		115.0831.1	1012
41	Power cable FRH 5.00 m; MB EVO PRO		115.0832.1	1012
42	Wire/gas conduit 3.00 m; MB EVO PRO / MB EVO		154.0017.1	1012
42	Wire/gas conduit 4.00 m; MB EVO PRO / MB EVO		154.0018.1	1012
42	Wire/gas conduit 5.00 m; MB EVO PRO / MB EVO		154.0019.1	1012
43	Control cable 2-pole	200 m	100.0019	4050

# MIG/MAG Welding Torches MB EVO PRO 501 / 501 D



Pos.	Description	Details	Part-No.	Product group
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulation hose	20 Pcs.	110.0043.20	1395
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37; raspberry red; MB EVO PRO	2 Pcs.	400.D561.2	1595
48	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
49	Cable support sleeve PVC and FRH hose	10 Pcs.	500.0558.10	1395
50	Hose 42 FRH black; Ø 5.5x1.5	40 m	109.0052	4050
50.1	Code colour ring blue	20 Pcs.	501.2167	9010
50.2	Code colour ring red	20 Pcs.	501.2166	9010
50.3	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
50.3	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
50.4	Fastener cap blue	20 Pcs.	501.2424	1095
50.5	Fastener cap red	20 Pcs.	501.2423	1095
51	Hose 42 FRH black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
53	Outer cover complete 3.00 m; MB EVO PRO / MB EVO		107.0109.1	1095
53	Outer cover complete 4.00 m; MB EVO PRO / MB EVO		107.0110.1	1095
53	Outer cover complete 5.00 m; MB EVO PRO / MB EVO		107.0111.1	1095
56	Connection housing lc complete; MB EVO PRO / MB EVO		501.2670.1	9010
56.1	Connecting set machine side cpl. for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside	10 Pcs.	400.0328	9010
56.1	Biclip outside	10 Pcs.	400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2 / M12x1; MB EVO PRO / MB EVO		501.2677.1	9010

# MIG/MAG Welding Torches MB EVO PRO 501 / 501 D



Pos.	Description	Details	Part-No.	Product group
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts MB EVO PRO 501 / 501 D</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032
<b>Wear parts MB EVO PRO 501 D</b>				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB EVO PRO 501 / 501 D</b>				
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 E-Cu; Ø 1.6 (8x28)	10 Pcs.	140.0555	1030
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 CuCrZr; Ø 1.6 (8x28)	10 Pcs.	140.0558	1031
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 E-Cu; Ø 1.6 for alu wire (8x28)	10 Pcs.	141.0020	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031

# MIG/MAG Welding Torches MB EVO PRO 501 / 501 D

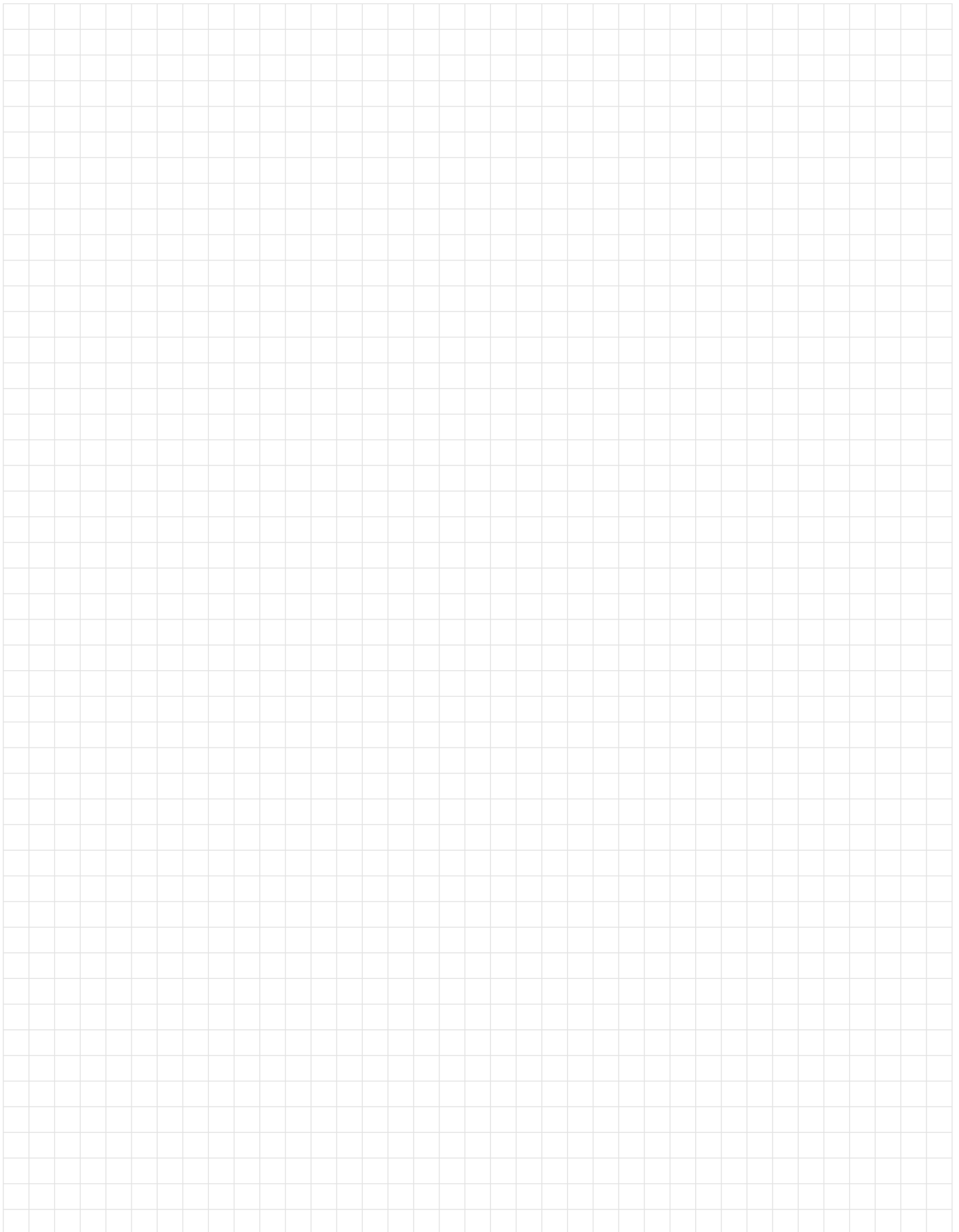
Pos.	Description	Details	Part-No.	Product group
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0113	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 3.00 m		124.0114	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 4.00 m		124.0115	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 5.00 m		124.0116	1334
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095

# MIG/MAG Welding Torches MB EVO PRO 501 / 501 D

Pos.	Description	Details	Part-No.	Product group
200	Spanner Standard	10 Pcs.	191.0001	9010



# Notes



# Standard Terms and Conditions of Deliveries and Services

## (Terms and Conditions of Sale) of Alexander Binzel Schweisstechnik GmbH & Co. KG

### § 1 Validity of the Terms and Conditions of Business

- 1.1** All our deliveries, services and tenders take place exclusively on the basis of these Standard Terms and Conditions of Deliveries and Services Payment (hereinafter called „these business conditions“). These business conditions are an element of all agreements that we conclude with our contractual partners (hereinafter called „customers“).
- 1.2** The customer's Standard Terms and Conditions of Business do not apply, even if we do not contradict their validity in individual cases. Neither does reference to a letter that contains the customer's or a third party's Standard Terms and Conditions of Business, or refers to such, constitute an agreement with the validity of the aforesaid Standard Terms and Conditions of Business. They also do not become a contractual element through conclusive actions, such as the production of a performance by us.
- 1.3** The business conditions apply to all agreements on deliveries and services on our part, as well as all peripheral services. These business conditions are valid for all future deliveries and services on our part even without a separate agreement of inclusion.

### § 2 Tender and conclusion of the agreement

- 2.1** Insofar as our tenders are marked expressly as being subject to change, we can also revoke these immediately after receipt of acceptance by the customer.
- 2.2** The customer does not acquire any copyright to any tenders or cost estimates submitted by us, nor to any drawings, illustrations, calculations, descriptions, models, tools and other documents and material resources made available to him. This also applies to those materials and documents mentioned that are expressly labelled „confidential“ or whose confidential character arises from the circumstances. The passing on of the abovementioned materials and documents to third parties requires at any rate our permission. The customer must ensure this by appropriate agreements with his employees or any other persons who work with knowledge and consent in his area of responsibilities. The abovementioned materials and documents must be returned immediately at the customer's expense, if an agreement does not come into being or they are no longer required for further contractual implementation.

### § 3 Prices

- 3.1** Unless otherwise stated in the order confirmation, our prices are valid „ex Works“, excluding packaging; this will be charged separately.
- 3.2** Legal value-added tax is not included in our prices. It is shown separately in the invoice in the amount legally prescribed on the day of invoicing. In the case of foreign transactions, the value-added tax no longer applies; however, the recipient must pay the taxes and fees incurred for the transfer into the recipient's country, especially customs duties and the additional legal taxes or charges incurred in the recipient's country itself.
- 3.3** The deduction of a discount for cash requires a separate agreement. The customer's Standard Terms and Conditions of Business, which call for the deduction of a cash discount, do not apply.

### § 4 Implementation of the deliveries and services, delivery and service times

- 4.1** Unless otherwise agreed, the delivery takes place „ex Works“.
- 4.2** The start of the delivery or service time stated by us presupposes the clarification of all technical issues.
- 4.3** Furthermore, the observance of our delivery and service obligations presupposes the customer's punctual and proper performance. We are fully entitled to the plea of non-performance.
- 4.4** If the person ordering is in default of taking delivery or infringes any other duties to cooperate, we are entitled to request replacement of any loss incurred by us in this respect, including any additional expenditure. More extensive claims remain unaffected.
- 4.5** Insofar as the conditions of § 4 (4) are met, the risk of accidental loss or unintentional deterioration of the object to be delivered passes to the customer at that point in time, when he has fallen into default of taking delivery.
- 4.6** If it has been agreed with the customer that our delivery or service does not have to take place at a fixed time, but within a certain period, we are entitled to deliver or produce our performance before the expiration of the period also. If a fixed date has been agreed with the customer, we are entitled to premature delivery or production of the performance, after having given the customer reasonable notice of this before delivery or production of the performance. This does not apply, if the delivery can only take place on the agreed date for reasons discernible for us.
- 4.7** Unless otherwise agreed, the customer, in the case of agreements that entitle him to request partial deliveries from a total quantity of goods, is obligated to give us punctual requests and assortment plans for approximate identical monthly quantities. If the customer does not request delivery punctually or does not plan in good time, we are entitled to take over the planning ourselves and to deliver the goods after a reasonable extended deadline has passed fruitlessly. If the customer fails to request delivery at all or in good time or fails to plan at all or in good time we are entitled to withdraw from the entire agreement after prior warning. Any compensation claims to which we are legally entitled remain at any rate unaffected.
- 4.8** With regard to order for goods to be delivered on demand according to § 4 (7) of these business conditions, we are entitled, unless otherwise agreed, to procure the material for the entire order and to manufacture the entire quantity ordered immediately. Requests from the customer for changes can no longer be taken into consideration after the order has been placed.
- 4.9** Increased or short deliveries are permissible in accordance with ordinary trade usage.

### § 5 Delays in delivery

- 5.1** Stoppages caused by force majeure, strikes for which we are not responsible or lock-outs or a lack of operating and/or raw materials entitle us, to withdraw from the not yet fulfilled agreement, if the abovementioned circumstances make delivery or performance impossible not only temporarily and in addition were not discernible on conclusion of the agreement.
- 5.2** If we are in delay with a delivery or service or if a delivery or service becomes impossible for us, the customer's claim for compensation is restricted subject to § 9 of these business conditions.

### § 6 Place of performance, shipment, packaging, passing of the risk

- 6.1** The place of performance for all obligations from the contractual relationship with the customer is Buseck/Alten-Buseck.
- 6.2** Unless otherwise agreed, we will select the most economical packaging known to us and the most economical type of shipment known to us.
- 6.3** Unless otherwise agreed, the risk passes to the customer at the latest with the handover of the delivered objects to the shipping contractor, carrier or other company appointed with the implementation of the consignment. § 4 (4) remains unaffected.
- 6.4** The shipment will only be insured by us against theft, breakage, damage during transport, fire and water damage or any other insurable risks at the express written request/wish of the customer and at his expense.
- 6.5** We will only take back packaging in our storehouses (return depots). The customer pays the costs of transporting the packaging to the respective return depot. If packaging different from the standard packaging (special packaging) is used at the customer's request, the customer is obliged to recycle or dispose of this at his own expense.

### § 7 Customer's claims in case of defects or incomplete deliveries and services

- 7.1** The objects delivered by us must be carefully examined immediately after delivery to the customer or to the third party appointed by him. They are considered approved, if a complaint, that could have been discovered on careful examination, is not reported in writing within three days after receipt of the goods, the date of sending the complaint to us being decisive. If the defect was not noticeable by careful examination, the obligation to report the complaint immediately in writing is valid from the time of discovery.

- 7.2** If a delivery or service defect exists, for which we are responsible, we are obliged, at our option, to remedy the defect or deliver a replacement. In the case of remedying the defect, we are obliged to pay all costs required to remedy the defect, in particular transport, labour and material costs, unless these are increased by the fact that the purchased object was taken to a different location than the original place of consignment. This does not apply, if transporting the delivered object to another location corresponds to its agreed use.

If we select subsequent performance in the form of replacement, the delivered objects with failures must be sent back to us carriage paid, whereby the customer is obliged to select the most economical type of shipment.

- 7.3** The limitation period for claims based on quality defects. The warranty period amounts to one year and begins with the time of delivery to the customer or to a third party appointed by the customer.
- 7.4** The delivery of used objects takes place excluding any warranty whatsoever.

### § 8 Purchase of consumer goods

§ 7 (3) does not apply, if the newly manufactured objects delivered by us are sold to consumers, also within the context of a chain of suppliers.

### § 9 Compensatory damages

- 9.1** We are only liable - regardless of for which legal reason - for the wilful and gross negligent conduct of our agencies and vicarious agents as well as - without regard to the degree of culpability - for damages from injury to life, body or health.
- 9.2** We are also responsible for slight negligence by our agencies and vicarious agents in the event of delay in performance or infringement of any other cardinal duty. In such a case our liability is restricted to damage that has to be reasonably expected when concluding such an agreement.
- 9.3** All limitations of liability also apply in the event that the infringement of contractual duties simultaneously represents an actionable tort.

### § 10 Reservation of ownership

- 10.1** We retain the right to ownership of the delivered object until all payments from the delivery agreement have been received. In the event of breach of contract by the customer, especially in the case of default of payment, we are entitled to take the delivered object back after a reasonable extended deadline has passed fruitlessly. Taking back the delivered object does not signify a withdrawal from the agreement, unless expressly declared by us in writing. The seizure of the delivered goods by us invariably represents a withdrawal from the agreement. After repossessing taking back the delivered goods/object, we are authorised to sell them; the proceeds from the sale will be deducted from the customer's liabilities - minus reasonable realisation costs.
- 10.2** The customer is obliged to keep the delivered objects in safe custody for us and to treat them with care.
- 10.3** In the event of seizures or any other third-party encroachments on our delivered objects, the customer must notify us immediately in writing so that we can take legal action according to § 771 Civil Procedure Rules (ZPO). If the third party is not in a position to refund us the legal and out-of-court costs of a lawsuit according to § 771 ZPO, the customer person ordering is liable for the loss incurred by us.
- 10.4** The customer is entitled to re-sell the delivered object in the normal course of business; however, he now already assigns us all demands amounting to the final invoice amount (including value-added tax) of our demand arising against his customers or third parties from the resale, regardless of whether the delivered object is re-sold with or without processing. The customer is also authorised to collect this demand after the assignment. Our authorisation to collect the demand ourselves remains unaffected by this. However, we agree not to collect the demand as long as the customer fulfils his payment obligations from the collected revenue, does not fall behind in his payments, and in particular no application for commencement of insolvency proceedings has been filed or there is a suspension of payments. However, if this is the case, we can request that the customer informs us of the assigned demands and their debtor immediately, gives us all details necessary for their collection, hands over the relevant documentation and notifies the debtor (third party) of the assignment immediately and informs us thereof by means of a copy/accompanying letter.
- 10.5** The processing or transformation of the delivered objects by the customer will always be carried out on our behalf by us. If the delivered object is processed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other processed objects at the time of processing. The same provisions apply otherwise for the object created by the aforesaid processing as for the object delivered with reservations.
- 10.6** If the delivered object is inseparably mixed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other mixed objects at the time of mixing. If the mixing takes place in a way in which the customer's object is to be regarded as the main object, it is considered agreed that the customer will transfer proportionate co-ownership to us. The customer will safeguard the created sole ownership or co-ownership for us.
- 10.7** At the customer's request, we undertake to release the securities to which we are entitled insofar as the feasible value of our securities exceeds the demands to be safeguarded by more than 10 %; we are entitled to select the securities to be released.

### § 11 Terms of payment

- 11.1** Unless otherwise agreed, our invoice amounts are payable within 30 days without any deduction. On expiration of this deadline, the customer is in default of payment without a warning on our part being required.
- 11.2** The customer may not exercise any right of set-off unless his/its counterclaim shall be undisputed or conclusively ruled upon. The same applies to the assertion of a right of retention.

### § 12 Written form and final provisions

- 12.1** Any regulations deviating from these business conditions require the written form. This does not apply to regulations, which have been agreed from our side with Managing Directors or authorised signatories.
- 12.2** The legal venue for any disputes from the business relationship between us and the customer is Gießen. However, we are also entitled to take legal action against the customer at his standard legal venue as well as at the location to which the delivered object was sent at the customer's request.
- 12.3** All legal relationships in connection with entering in, performing under or termination of this agreement shall be governed and construed in all respects in accordance with the laws of the Federal Republic of Germany with the exclusion of the Convention on Contracts for the International Sale of Goods (CISG). This also applies, if the legal relationships arise from tort or based on any other legal bases.





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Spare parts list  
**MIG/MAG**  
**Welding Torches**  
**MB EVO**  
air & liquid cooled







## MIG/MAG Welding Torches

# MB EVO

## air & liquid cooled

The MB EVO torch series stands for a completely new handling concept that goes down new roads with regard to form and function. The welding torch forms a strong unit together with the welder's hand. The unique ergonomics as interplay between handle, trigger position, trigger design and ball joint construction guarantees a good feeling for welding in all working positions as well as the best results.

### Advantages MB EVO air cooled

- Genuine two-component handle – robust and ergonomical
- Optimum trigger position and tapered handle design – for precise and safe handling
- Special internal geometry with air cooled torches – for “cool” handles and maximum mechanical strength
- Proven “MB” wearing part concept – for a long service life
- Solid, size-optimised central connector

### Advantages MB EVO liquid cooled

- Genuine two-component handle – robust and ergonomical
- Proven “MB” wearing part concept and media hoses
- Optimum trigger position, tapered handle design and sophisticated ball joint construction – for best handling in all welding positions
- Easy to repair construction down to the last detail – best space conditions for the simplest maintenance measures
- Solid, size-optimised central connector with protected hose guide

### Technical data (EN 60 974-7)

#### MIG/MAG Welding Torches “MB EVO” (air cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed Gases M21		
<b>MB EVO 15</b>	180 / 150	180 / 150	35 / 60	0.6-1.0
<b>MB EVO 24</b>	250	220	60	0.8-1.2
<b>MB EVO 25</b>	230	200	60	0.8-1.2
<b>MB EVO 26</b>	270	240	60	0.8-1.2
<b>MB EVO 36</b>	320	290	60	0.8-1.2

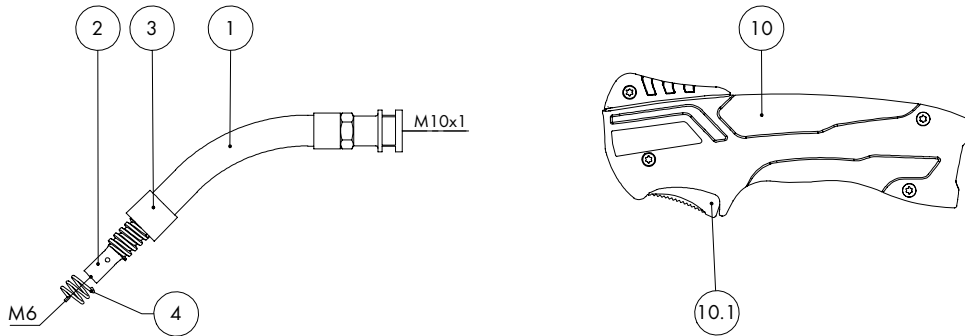
Subject to technical modifications.

#### MIG/MAG Welding Torches “MB EVO” (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO <sub>2</sub>	Mixed Gases M21		
<b>MB EVO 240 D</b>	300	270	100	0.8-1.2
<b>MB EVO 401</b>	450	400	100	0.8-1.2
<b>MB EVO 401 D</b>	400	350	100	0.8-1.2
<b>MB EVO 501</b>	550	500	100	1.0-1.6
<b>MB EVO 501 D</b>	500	450	100	1.0-1.6

Subject to technical modifications.

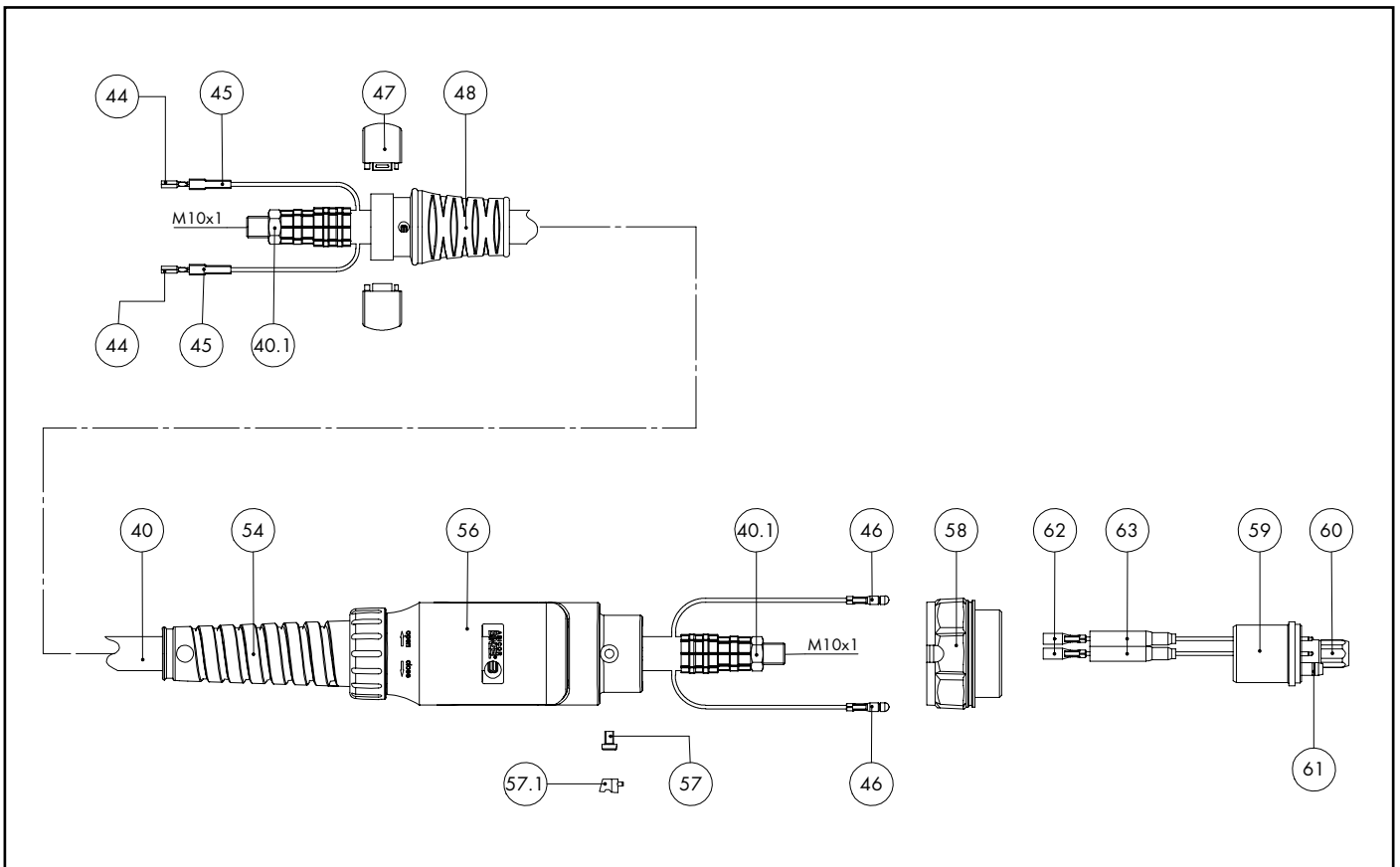
# MIG/MAG Welding Torches MB EVO 15



Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO 15; central adaptor KZ-2; 3.00 m		002.0709.1	1063
	MB EVO 15; central adaptor KZ-2; 4.00 m		002.0710.1	1063
	MB EVO 15; central adaptor KZ-2; 5.00 m		002.0711.1	1063
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 15; 50° bent		002.0715.1	1007
2	Gas nozzle holder		002.0078	1095
3	Head insulator	10 Pcs.	002.0050	1095
4	Nozzle spring	100 Pcs.	002.0058	1095
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole ac complete		180.0178.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® power cable, R10 for 3.00 m		160.1291.1	1511
40	Bikox® power cable, R10 for 4.00 m		160.1292.1	1511
40	Bikox® power cable, R10 for 5.00 m		160.1293.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010

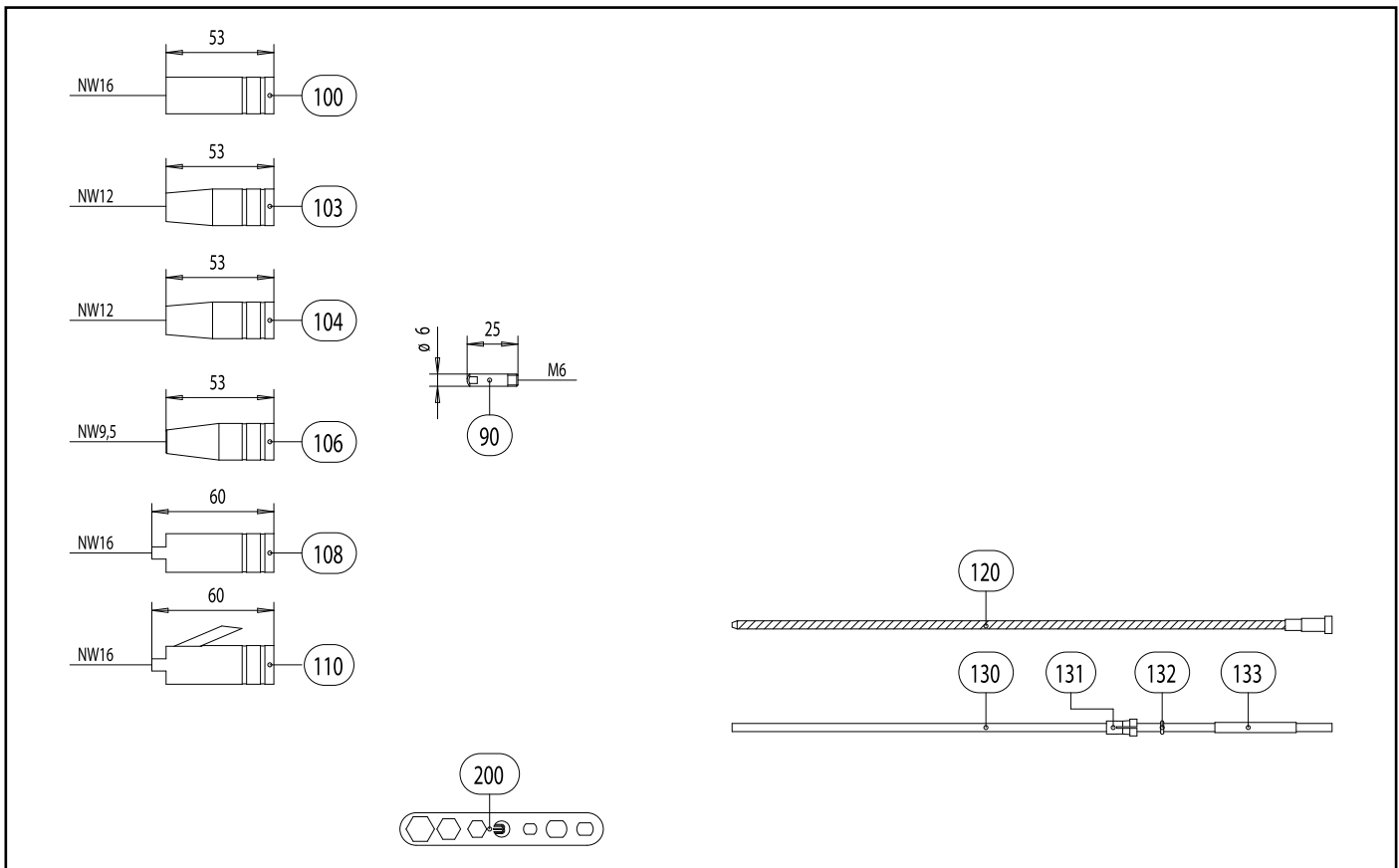


# MIG/MAG Welding Torches MB EVO 15



Pos.	Description	Details	Part-No.	Product group
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
90	Contact tip M6 E-Cu; Ø 0.6 (6x25)	10 Pcs.	140.0008	1030
90	Contact tip M6 E-Cu; Ø 0.8 (6x25)	10 Pcs.	140.0059	1030
90	Contact tip M6 E-Cu; Ø 1.0 (6x25)	10 Pcs.	140.0253	1030
90	Contact tip M6 CuCrZr; Ø 0.6 (6x25)	10 Pcs.	140.0855	1031
90	Contact tip M6 CuCrZr; Ø 0.8 (6x25)	10 Pcs.	140.0062	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (6x25)	10 Pcs.	140.0256	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (6x25)	10 Pcs.	141.0002	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (6x25)	10 Pcs.	141.0007	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (6x25)	10 Pcs.	147.0062	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (6x25)	10 Pcs.	147.0256	1031
100	Gas nozzle; cylindrical; ND Ø 16.0	10 Pcs.	145.0041	1036
103	Gas nozzle; conical; ND Ø 12.0	10 Pcs.	145.0075	1036
104	Gas nozzle; conical; with extended insulation; ND Ø 12.0	10 Pcs.	145.0107	1036
106	Gas nozzle; tapered; ND Ø 9.5	10 Pcs.	145.0123	1036
108	Spot weld gas nozzle; ND Ø 16.0	10 Pcs.	145.0168	1036
110	Spot weld gas nozzle for pin-welding; ND Ø 16.0	10 Pcs.	145.0186	1036
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 5.00 m		124.0015	1034

# MIG/MAG Welding Torches MB EVO 15



## Pos. Description

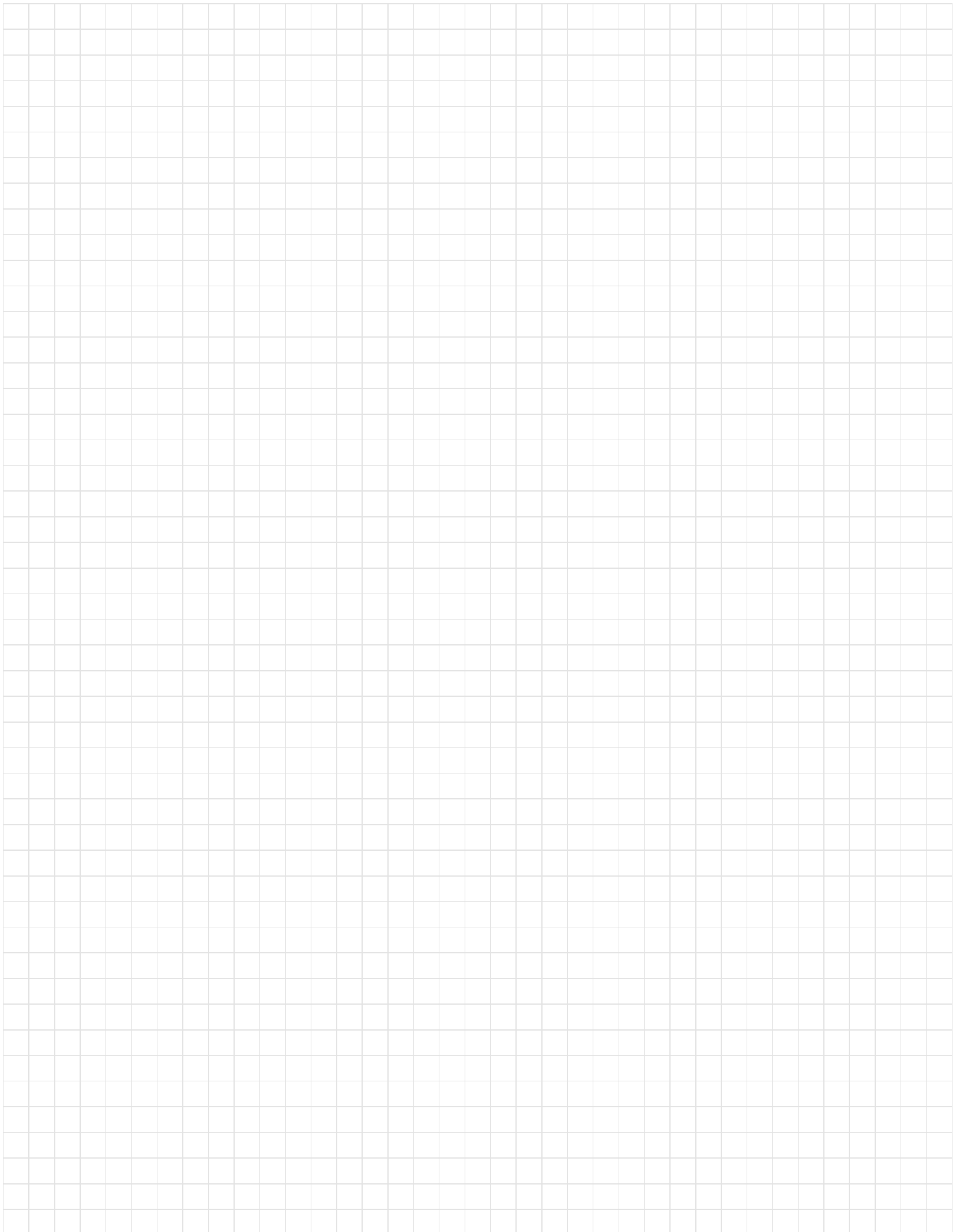
## Details

## Part-No.

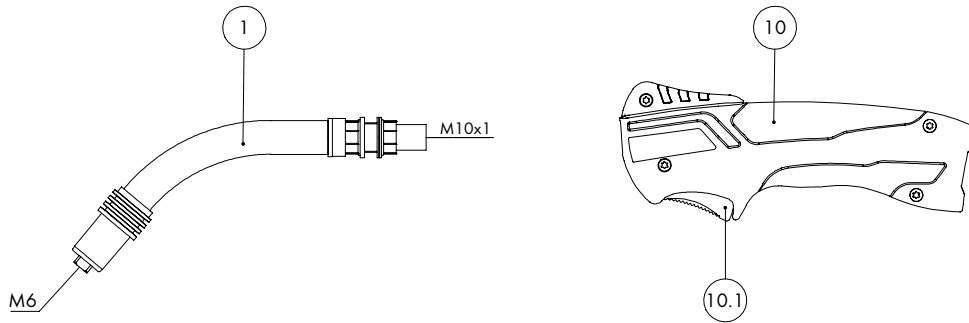
## Product group

Pos.	Description	Details	Part-No.	Product group
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire $\varnothing$ 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode $\varnothing$ 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode $\varnothing$ 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode $\varnothing$ 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode $\varnothing$ 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at $\varnothing$ 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to $\varnothing$ 4.0 (200 mm)	10 Pcs.	129.0461	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# Notes

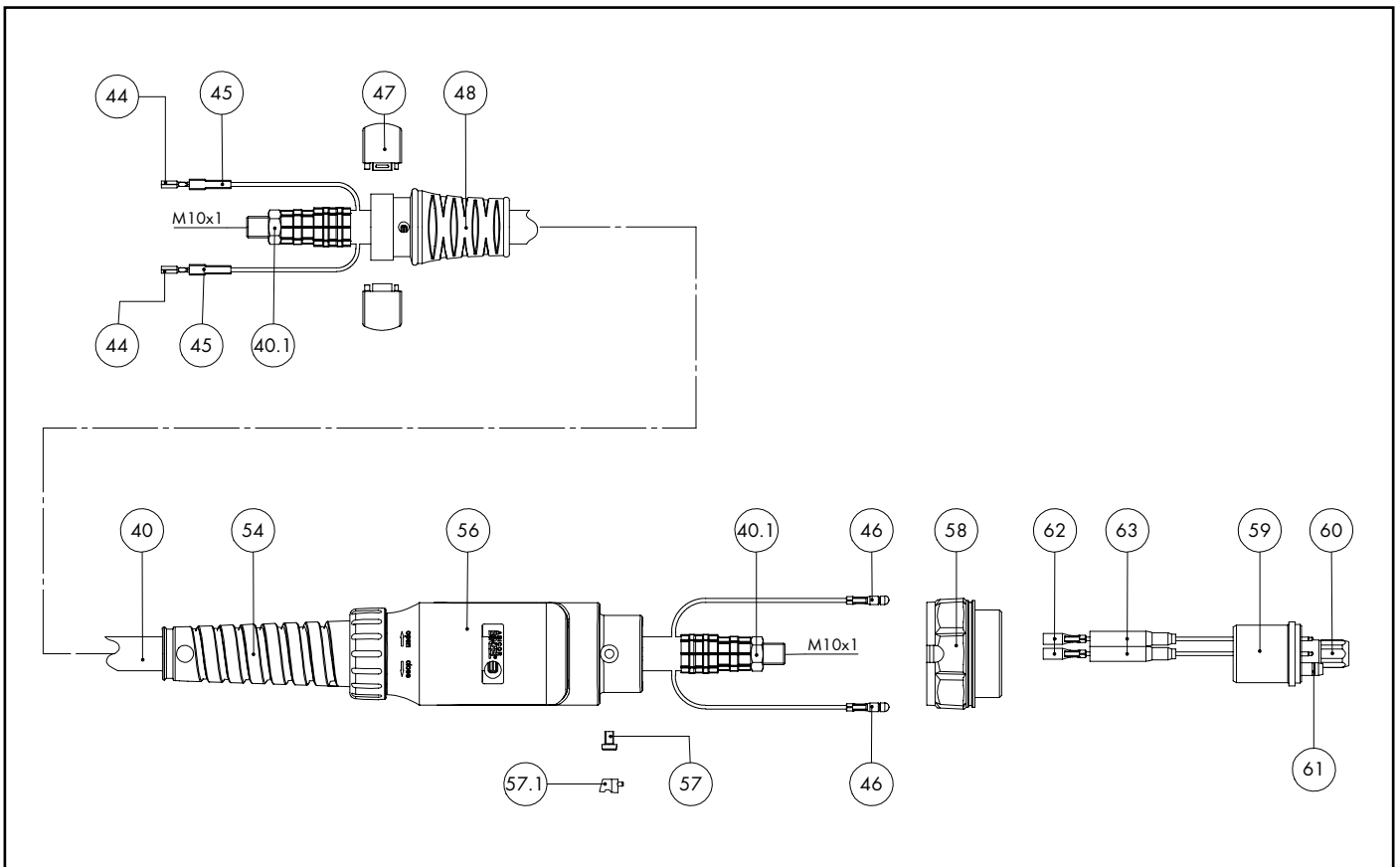


# MIG/MAG Welding Torches MB EVO 24



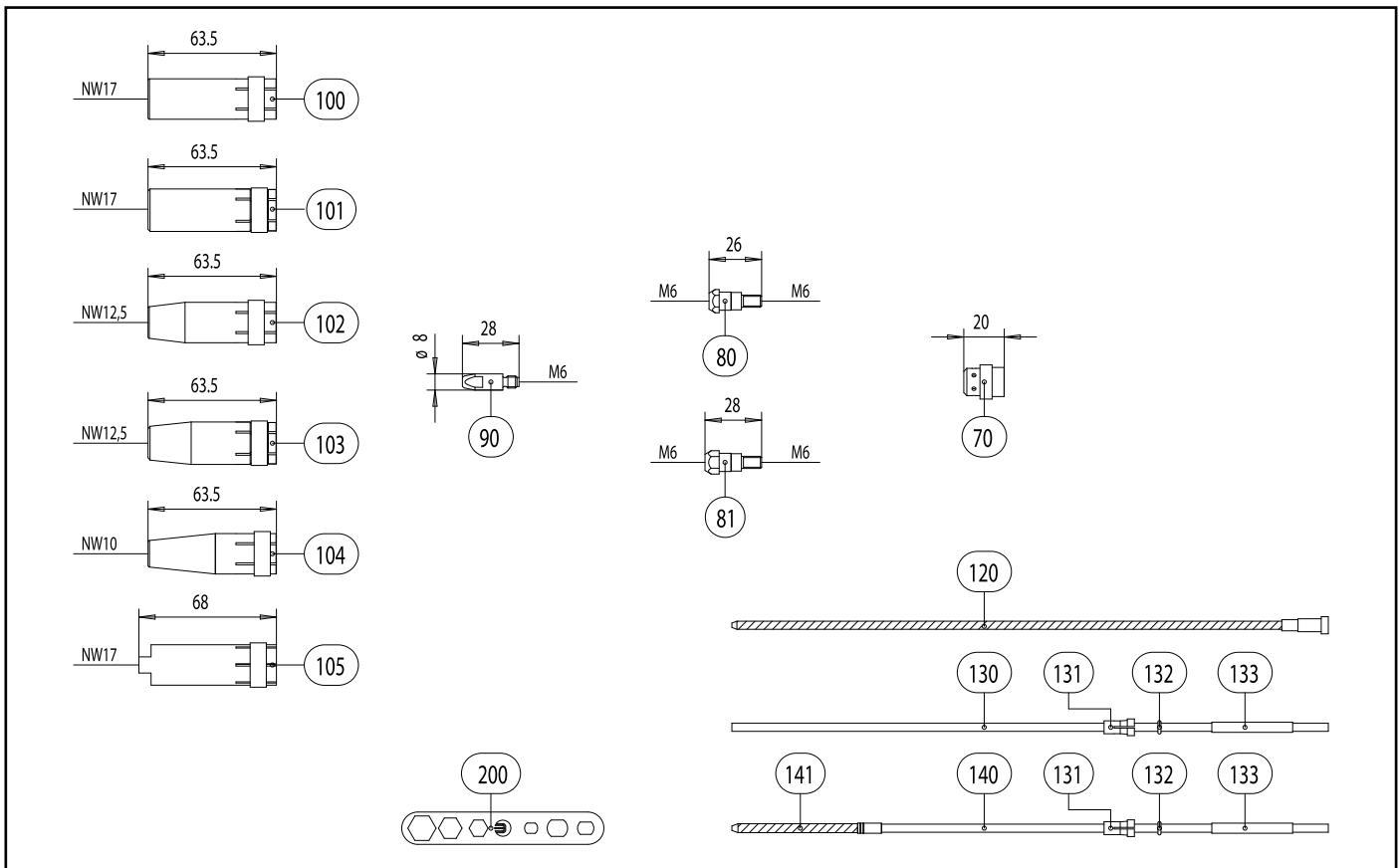
Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO 24; central adaptor KZ-2; 3.00 m		012.0368.1	1063
	MB EVO 24; central adaptor KZ-2; 4.00 m		012.0369.1	1063
	MB EVO 24; central adaptor KZ-2; 5.00 m		012.0370.1	1063
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 24; 50° bent		012.0374.1	1007
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole ac complete		180.0178.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® power cable, R5 for 3.00 m		160.D427	1511
40	Bikox® power cable, R5 for 4.00 m		160.D428	1511
40	Bikox® power cable, R5 for 5.00 m		160.D429	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

# MIG/MAG Welding Torches MB EVO 24



Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036

# MIG/MAG Welding Torches MB EVO 24



## Pos. Description

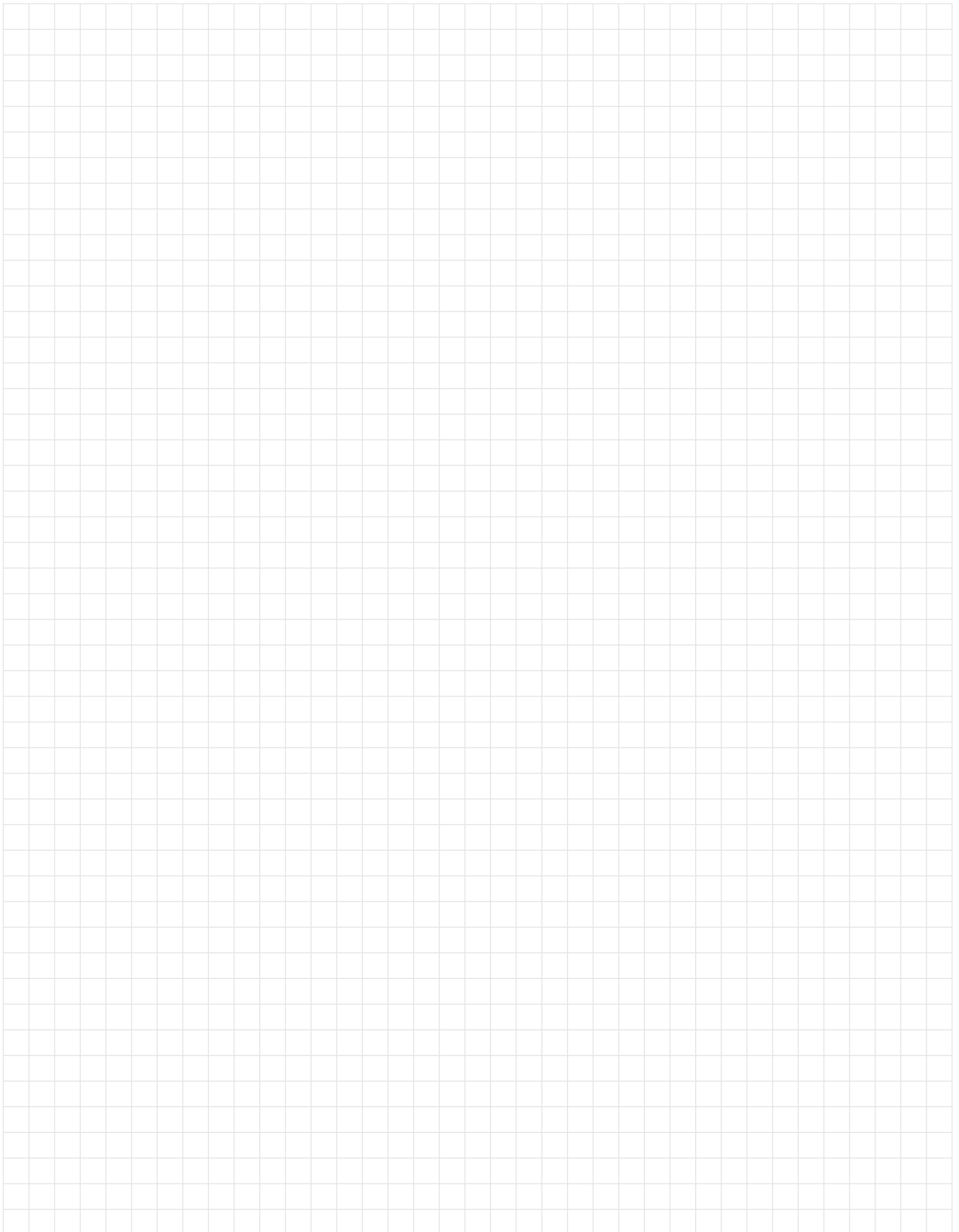
## Details

## Part-No.

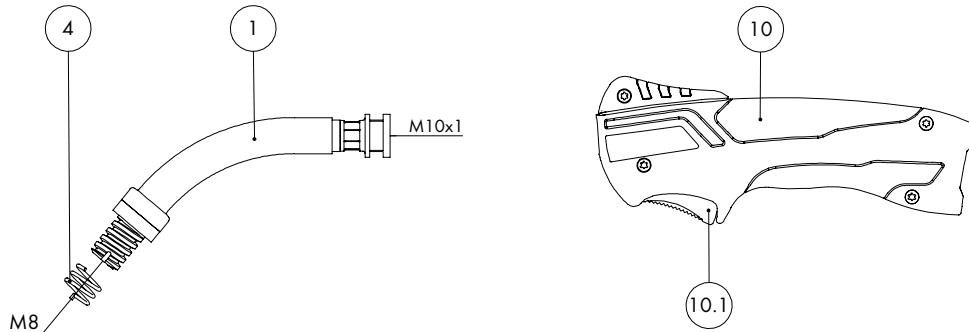
## Product group

Pos.	Description	Details	Part-No.	Product group
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# Notes



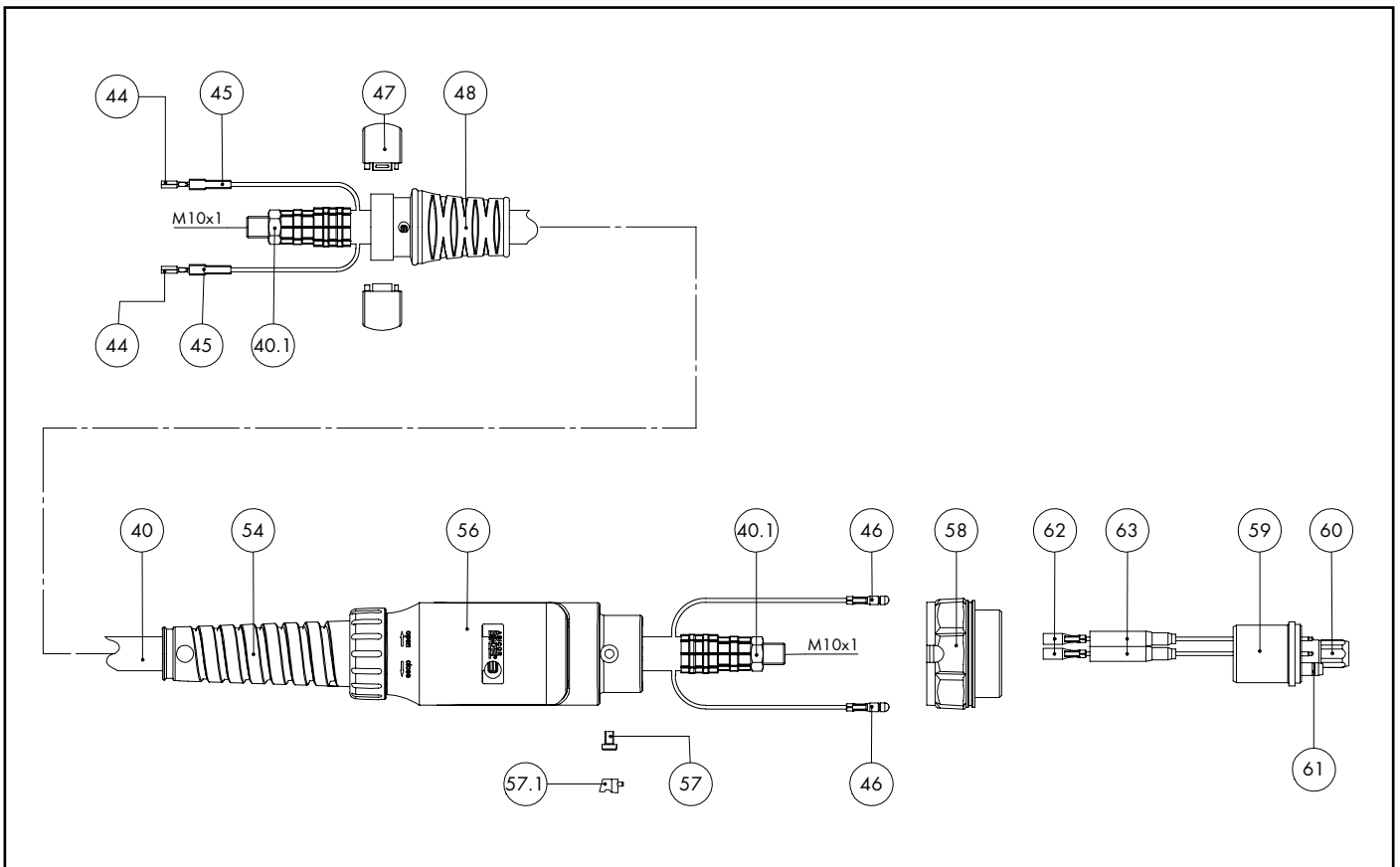
# MIG/MAG Welding Torches MB EVO 25



Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO 25; central adaptor KZ-2; 3.00 m		004.0668.1	1063
	MB EVO 25; central adaptor KZ-2; 4.00 m		004.0669.1	1063
	MB EVO 25; central adaptor KZ-2; 5.00 m		004.0670.1	1063
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 25; 50° bent		004.0663.1	1007
4	Nozzle spring	100 Pcs.	003.0013	1095
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole ac complete		180.0178.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® power cable, R20 for 3.00 m		160.1294.1	1511
40	Bikox® power cable, R20 for 4.00 m		160.1295.1	1511
40	Bikox® power cable, R20 for 5.00 m		160.1296.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095

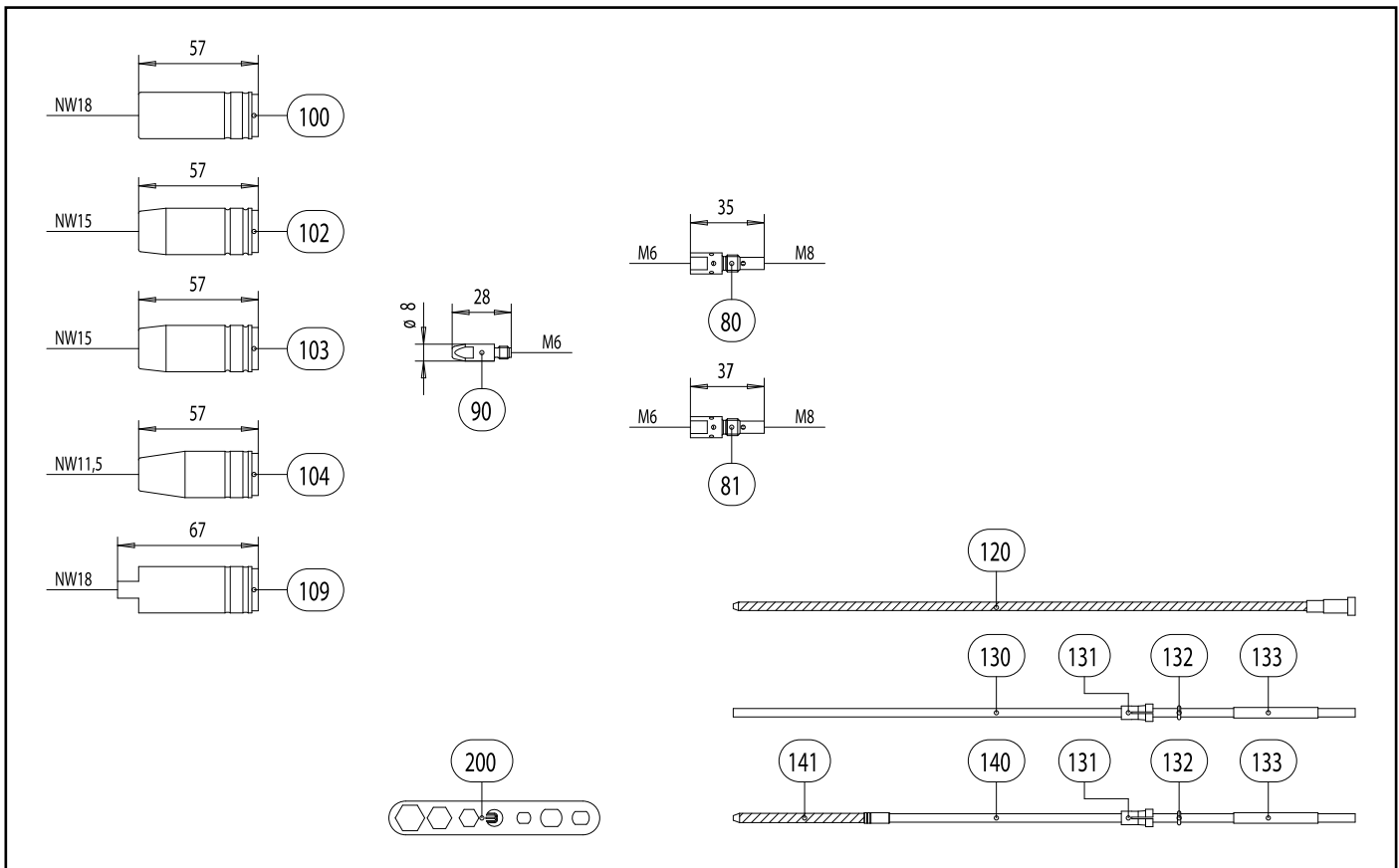


# MIG/MAG Welding Torches MB EVO 25



Pos.	Description	Details	Part-No.	Product group
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
80	Contact tip holder M6; 35.0 mm	10 Pcs.	142.0001	1033
81	Contact tip holder M6; 37.0 mm	10 Pcs.	142.0267.10	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 18.0	10 Pcs.	145.0042	1036
102	Gas nozzle; conical; ND Ø 15.0	10 Pcs.	145.0076	1036
103	Gas nozzle; conical; with extended insulation; ND Ø 15.0	10 Pcs.	145.0100	1036
104	Gas nozzle; tapered; ND Ø 11.5	10 Pcs.	145.0124	1036
109	Spot weld gas nozzle; ND Ø 18.0	10 Pcs.	145.0169	1036
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0012	1034

# MIG/MAG Welding Torches MB EVO 25



## Pos. Description

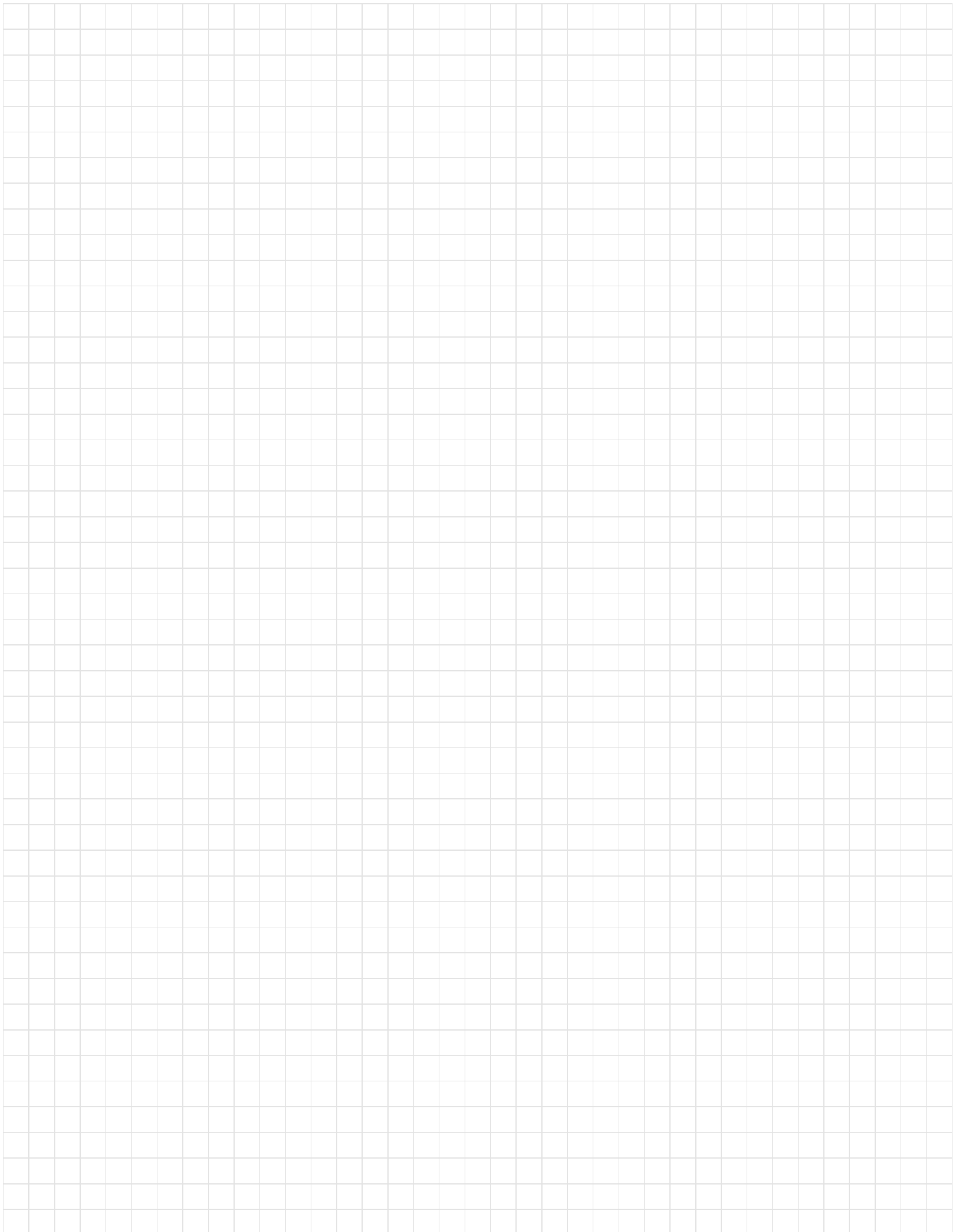
## Details

## Part-No.

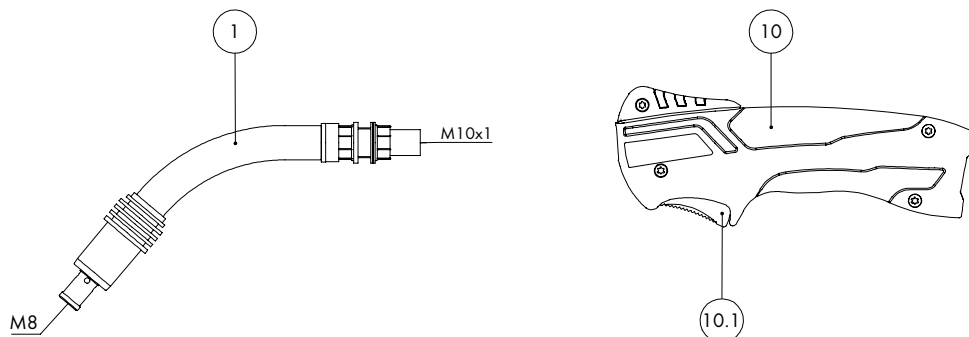
## Product group

Pos.	Description	Details	Part-No.	Product group
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# Notes

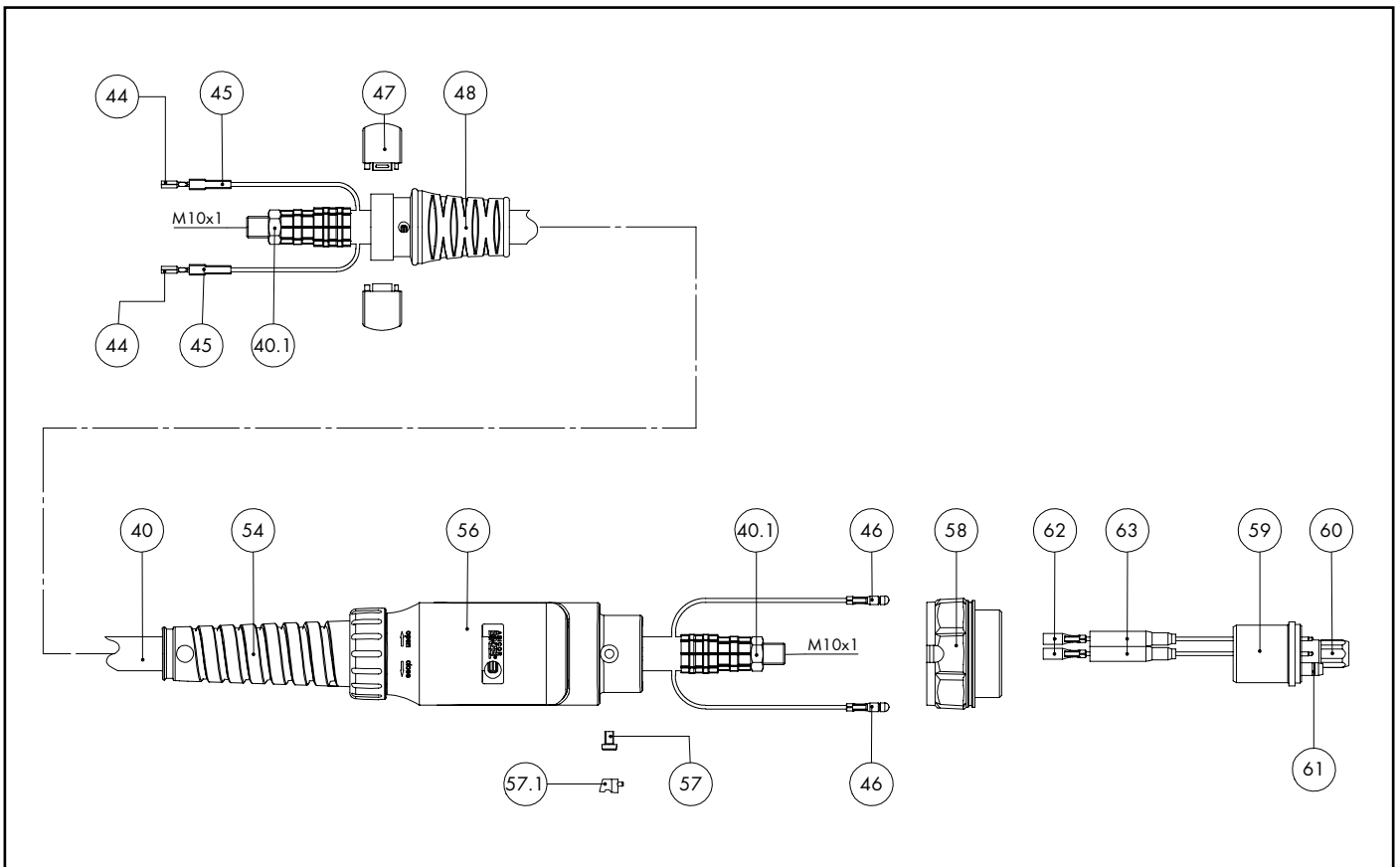


# MIG/MAG Welding Torches MB EVO 26



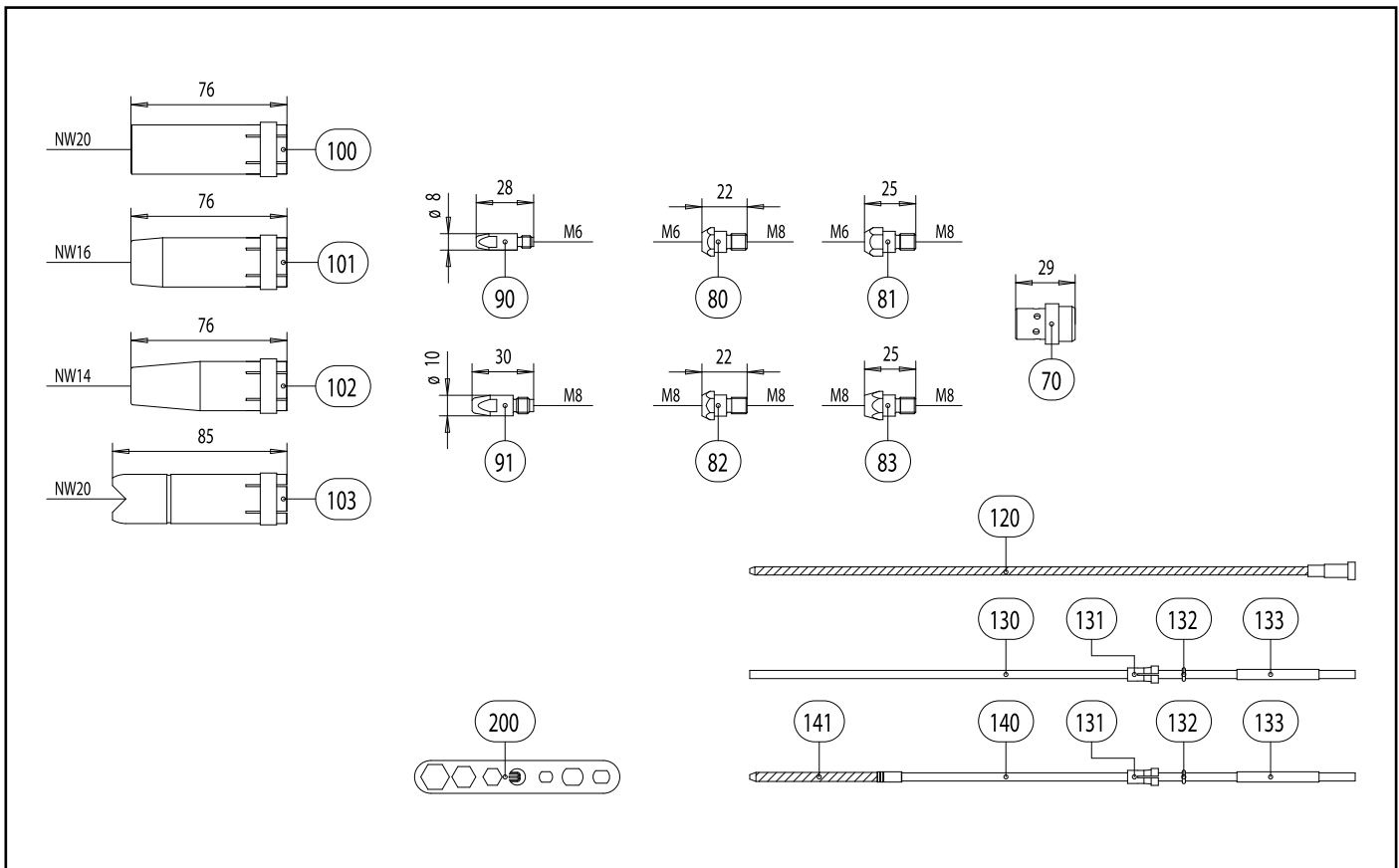
Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO 26; central adaptor KZ-2; 3.00 m		018.0208.1	1065
	MB EVO 26; central adaptor KZ-2; 4.00 m		018.0209.1	1065
	MB EVO 26; central adaptor KZ-2; 5.00 m		018.0210.1	1065
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 26; 50° bent		018.0214.1	1014
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole ac complete		180.0178.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® power cable, R30 for 3.00 m		160.1305.1	1511
40	Bikox® power cable, R30 for 4.00 m		160.1306.1	1511
40	Bikox® power cable, R30 for 5.00 m		160.1307.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

# MIG/MAG Welding Torches MB EVO 26



Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	018.0116	1032
70	Gas diffuser, ceramic	10 Pcs.	018.0141	1032
80	Contact tip holder M6; 22.0 mm (short)	10 Pcs.	142.0007	1033
81	Contact tip holder M6; 25.0 mm (long)	10 Pcs.	142.0012	1033
82	Contact tip holder M8; 22.0 mm (short)	10 Pcs.	142.0082	1033
83	Contact tip holder M8; 25.0 mm (long)	10 Pcs.	142.0026	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031

# MIG/MAG Welding Torches MB EVO 26

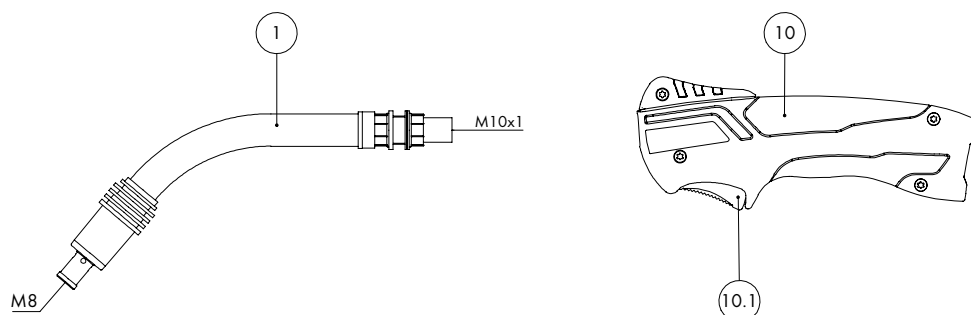


## Pos. Description

Pos.	Description	Details	Part-No.	Product group
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
103	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034



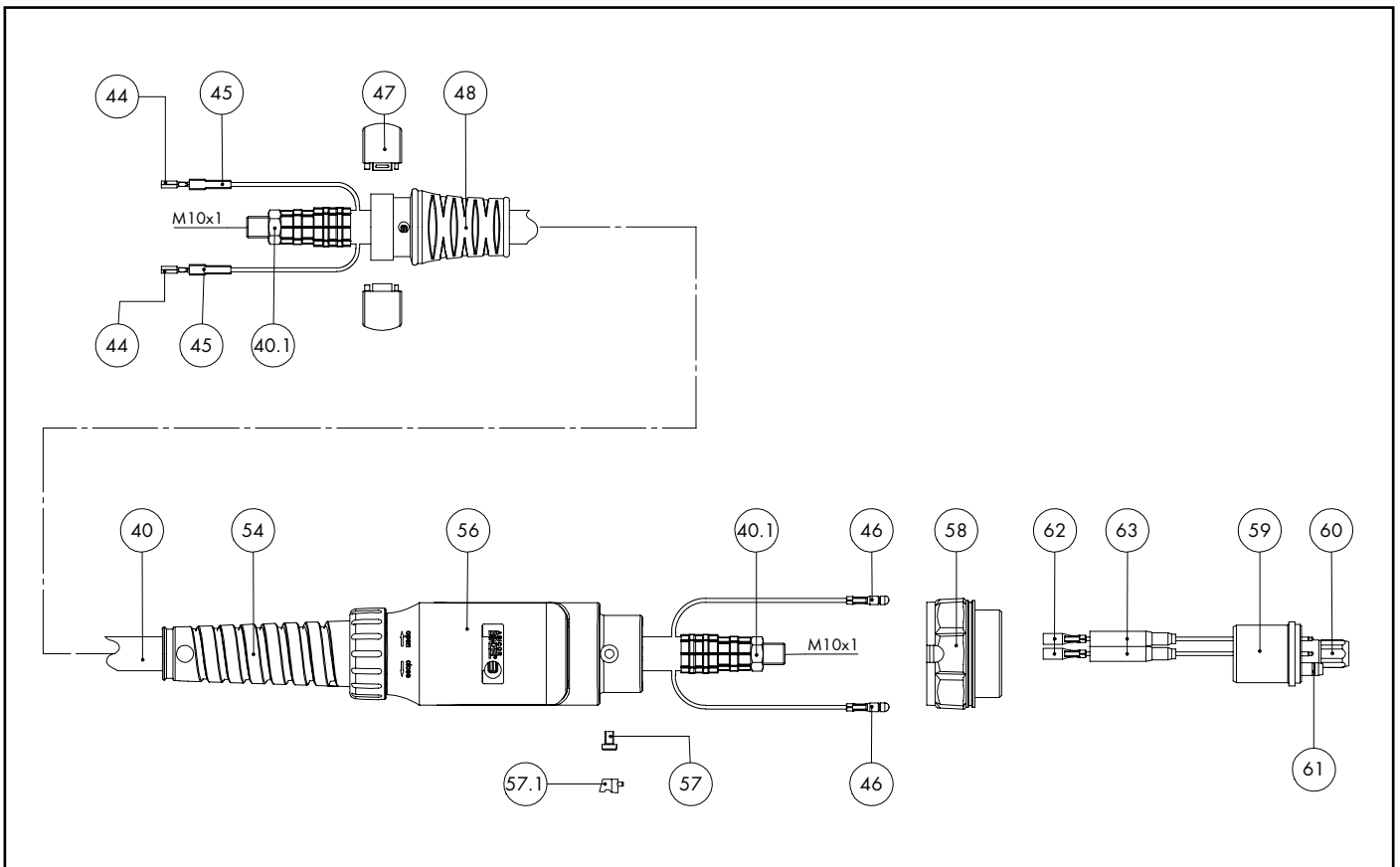
# MIG/MAG Welding Torches MB EVO 36



Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO 36; central adaptor KZ-2; 3.00 m		014.0526.1	1065
	MB EVO 36; central adaptor KZ-2; 4.00 m		014.0527.1	1065
	MB EVO 36; central adaptor KZ-2; 5.00 m		014.0528.1	1065
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 36; 50° bent		014.0518.1	1014
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole ac complete		180.0178.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Bikox® power cable, R40 for 3.00 m		160.1308.1	1511
40	Bikox® power cable, R40 for 4.00 m		160.1309.1	1511
40	Bikox® power cable, R40 for 5.00 m		160.1310.1	1511
40.1	Hexagon nut M10x1	10 Pcs.	001.0009	9010
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Cable support short ND 17-22		400.D574.1	1595
54	Cable support ND 19		400.1010	1095
56	Connection housing ac complete; MB EVO PRO / MB EVO		501.2673.1	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor KZ-2		501.0003	1095
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

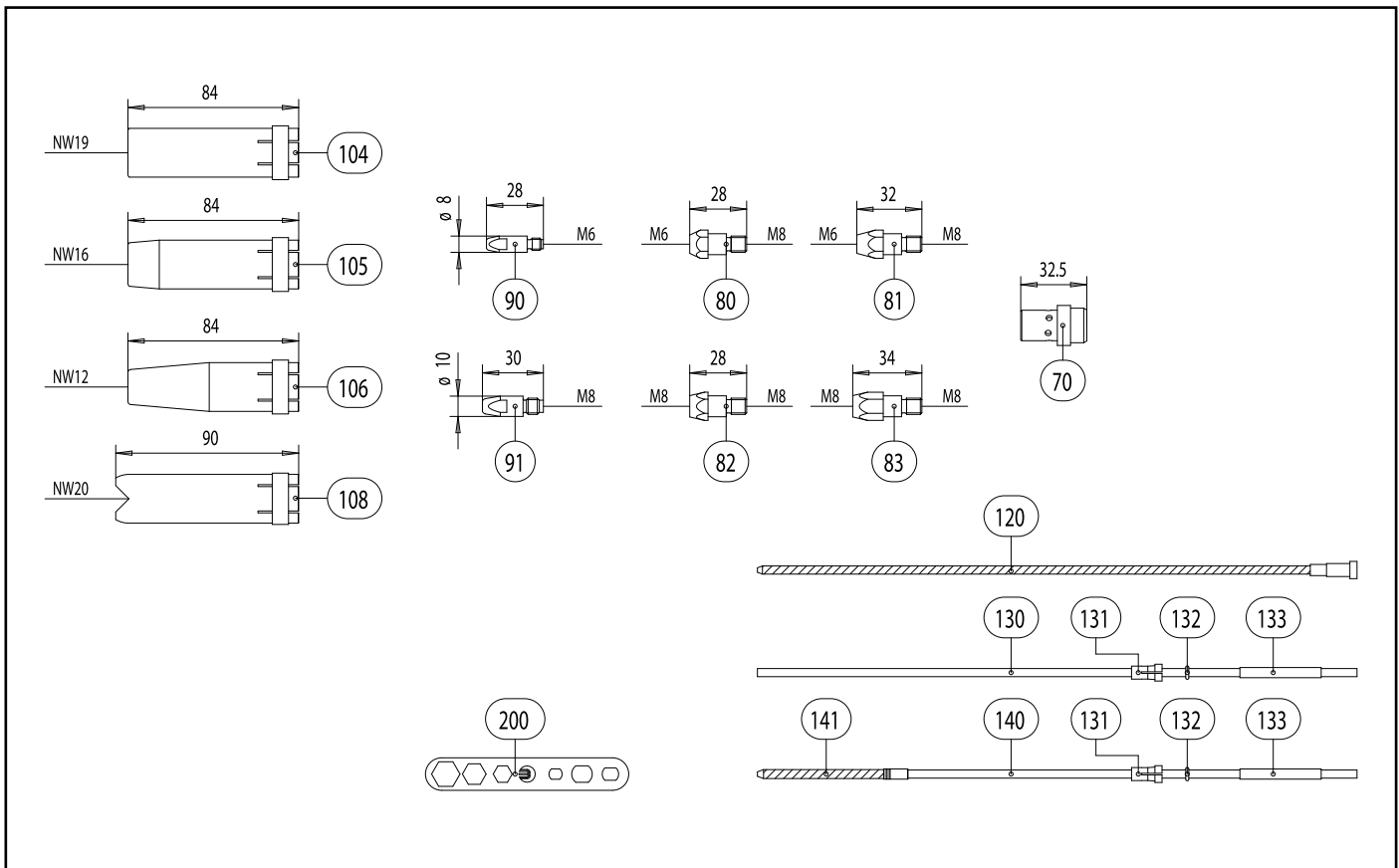


# MIG/MAG Welding Torches MB EVO 36



Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	014.0261	1032
70	Gas diffuser, long life	10 Pcs.	014.0026	1032
70	Gas diffuser, ceramic	10 Pcs.	014.0023	1032
80	Contact tip holder M6; 28.0 mm (short)	10 Pcs.	142.0005	1033
81	Contact tip holder M6; 32.0 mm (long)	10 Pcs.	142.0011	1033
82	Contact tip holder M8; 28.0 mm (short)	10 Pcs.	142.0020	1033
83	Contact tip holder M8; 34.0 mm (long)	10 Pcs.	142.0024	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030

# MIG/MAG Welding Torches MB EVO 36



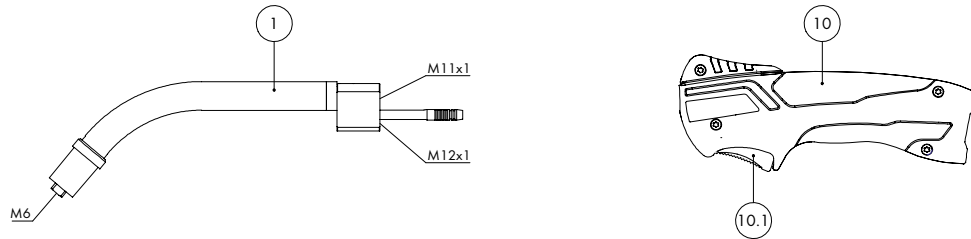
## Pos. Description

Pos.	Description	Details	Part-No.	Product group
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
104	Gas nozzle; cylindrical; ND Ø 19.0	10 Pcs.	145.0045	1037
105	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0078	1037
106	Gas nozzle; tapered; ND Ø 12.0	10 Pcs.	145.0126	1037
108	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0172	1037
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0011	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0012	1034
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0015	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0026	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0031	1034
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0035	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034

# MIG/MAG Welding Torches MB EVO 36

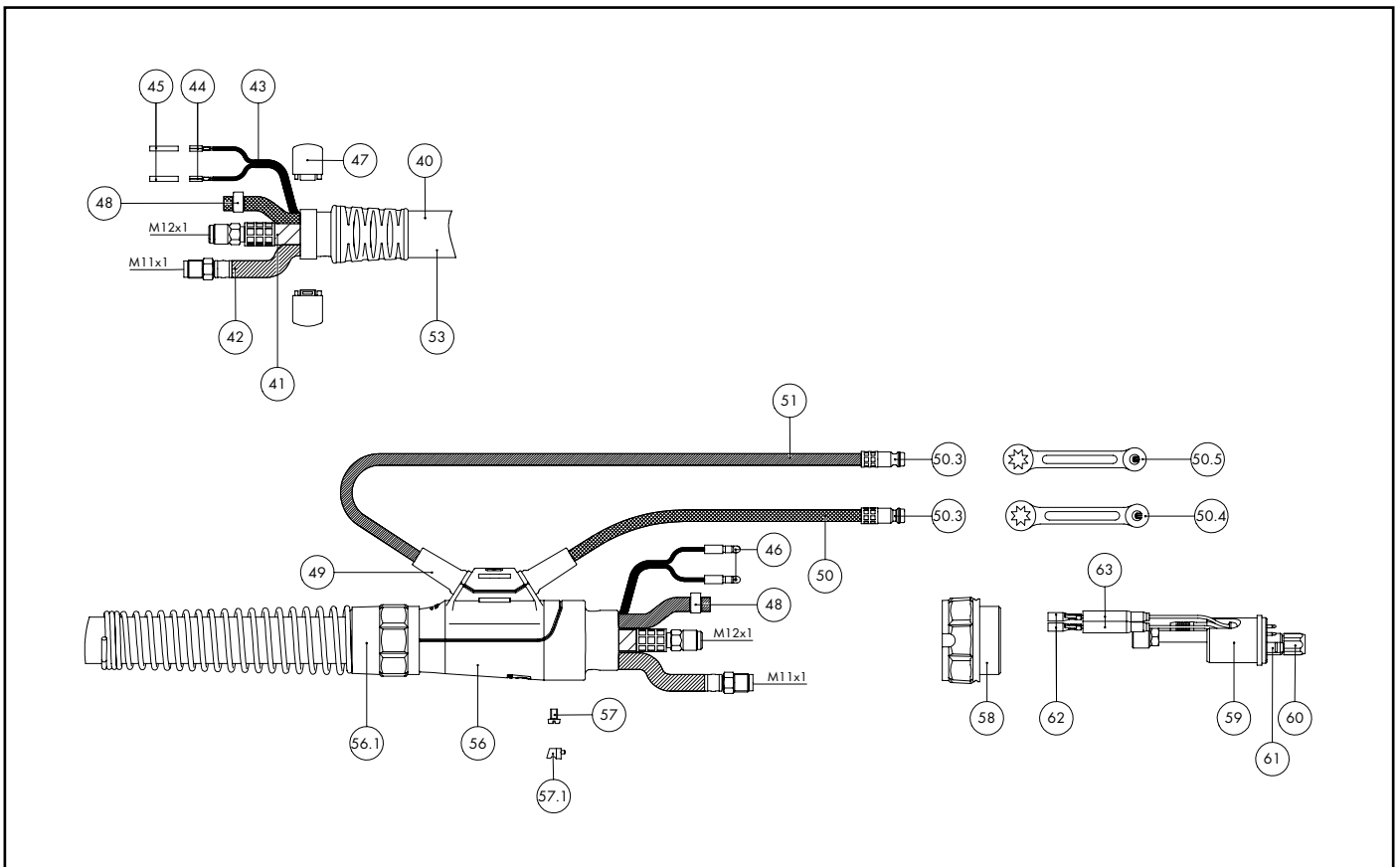
Pos.	Description	Details	Part-No.	Product group
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# MIG/MAG Welding Torches MB EVO 240 D



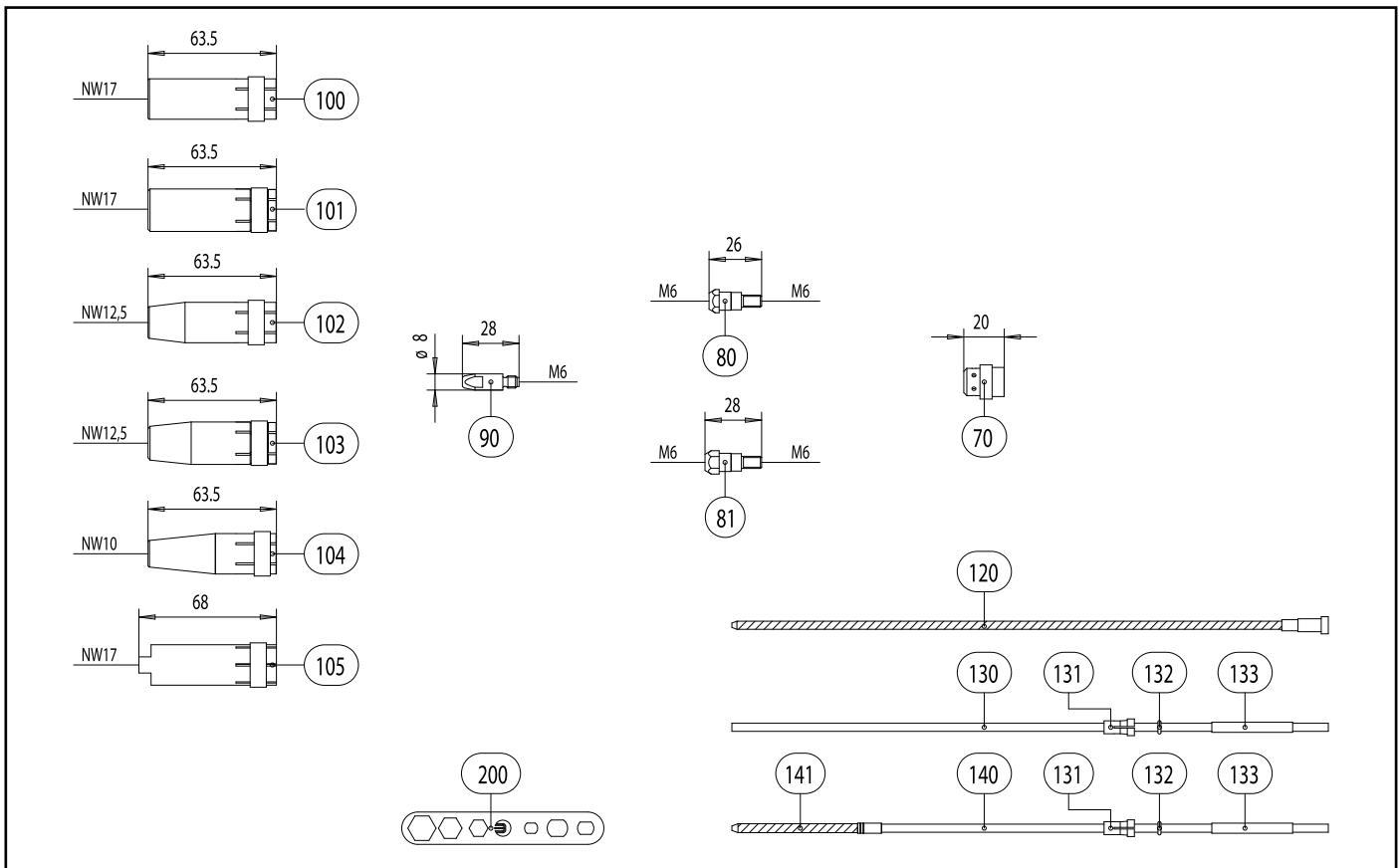
Pos.	Description	Details	Part-No.	Product group
<b>Torch</b>				
	MB EVO 240 D; central adaptor WZ-2; 3.00 m		023.0322.1	1064
	MB EVO 240 D; central adaptor WZ-2; 4.00 m		023.0323.1	1064
	MB EVO 240 D; central adaptor WZ-2; 5.00 m		023.0324.1	1064
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 240 D; 50° bent		023.0316.1	1009
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole lc complete		180.0179.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Cable assembly MB EVO 3.00 m		022.0262.1	1095
40	Cable assembly MB EVO 4.00 m		022.0263.1	1095
40	Cable assembly MB EVO 5.00 m		022.0264.1	1095
41	Power cable PVC 3.00 m; MB EVO		115.0833.1	1012
41	Power cable PVC 4.00 m; MB EVO		115.0834.1	1012
41	Power cable PVC 5.00 m; MB EVO		115.0835.1	1012
42	Wire/gas conduit 3.00 m; MB EVO PRO / MB EVO		154.0017.1	1012
42	Wire/gas conduit 4.00 m; MB EVO PRO / MB EVO		154.0018.1	1012
42	Wire/gas conduit 5.00 m; MB EVO PRO / MB EVO		154.0019.1	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulation hose	20 Pcs.	110.0043.20	1395
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
49	Cable support sleeve PVC and FRH hose	10 Pcs.	500.0558.10	1395

# MIG/MAG Welding Torches MB EVO 240 D



Pos.	Description	Details	Part-No.	Product group
50	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
50.3	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
50.3	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
50.4	Fastener cap blue	20 Pcs.	501.2424	1095
50.5	Fastener cap red	20 Pcs.	501.2423	1095
51	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0114	1095
51	Hose 46 red Ø 5.5x1.5	100 m	109.0056	4050
53	Outer cover complete 3.00 m; MB EVO PRO / MB EVO		107.0109.1	1095
53	Outer cover complete 4.00 m; MB EVO PRO / MB EVO		107.0110.1	1095
53	Outer cover complete 5.00 m; MB EVO PRO / MB EVO		107.0111.1	1095
56	Connection housing lc complete; MB EVO PRO / MB EVO		501.2670.1	9010
56.1	Connecting set machine side cpl. for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside	10 Pcs.	400.0328	9010
56.1	Biclip outside	10 Pcs.	400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2 / M12x1; MB EVO PRO / MB EVO		501.2677.1	9010
60	Coupling nut M10x1	10 Pcs.	501.D536	1595
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts</b>				
70	Gas diffuser, white	10 Pcs.	012.0183	1032
70	Gas diffuser, silicone rubber	10 Pcs.	012.0243	1032

# MIG/MAG Welding Torches MB EVO 240 D



## Pos. Description

## Details

## Part-No.

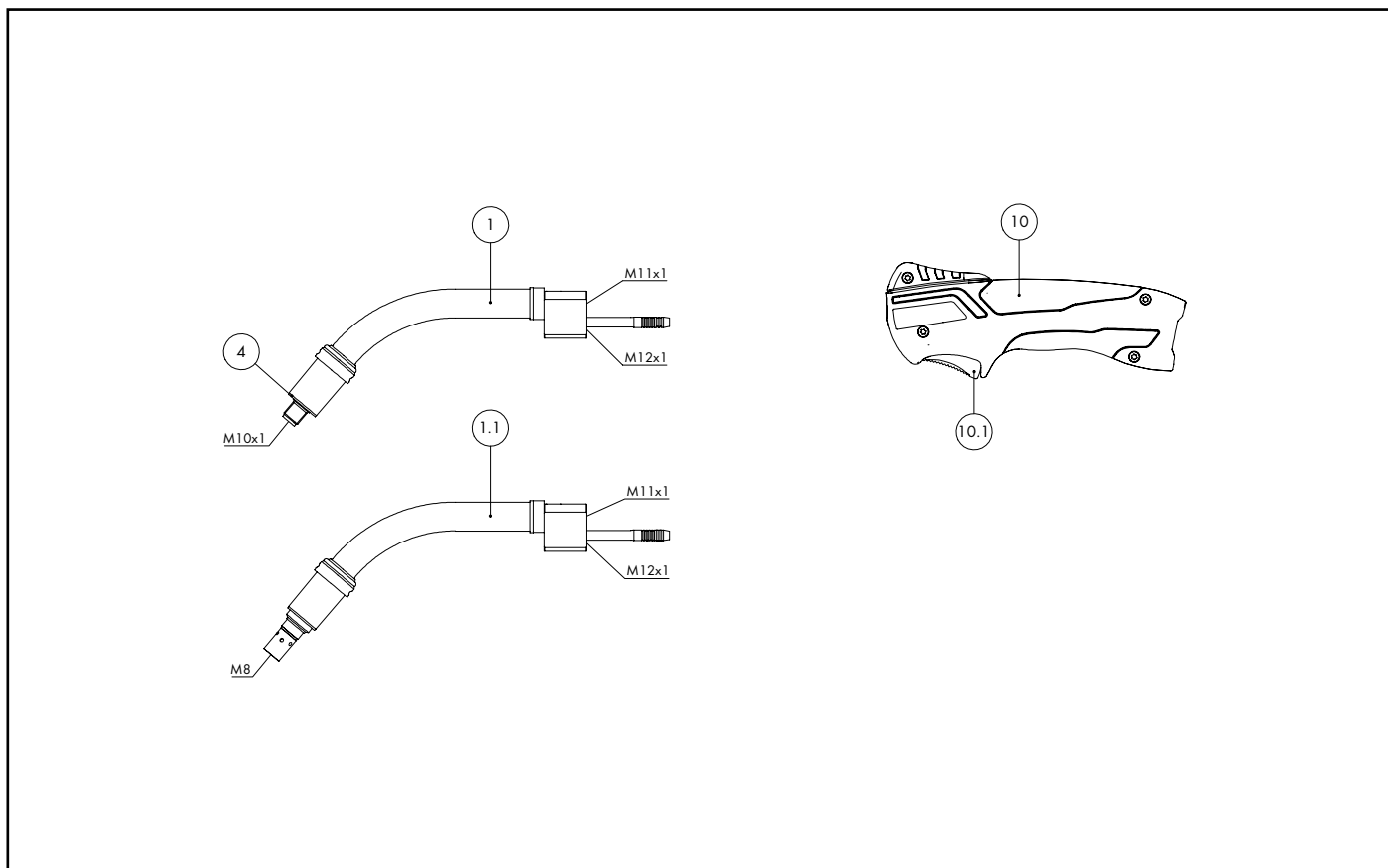
## Product group

Pos.	Description	Details	Part-No.	Product group
80	Contact tip holder M6; 26.0 mm	10 Pcs.	142.0003	1033
81	Contact tip holder M6; 28.0 mm	10 Pcs.	142.0010	1033
90	Contact tip M6 E-Cu; Ø 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; Ø 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; Ø 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
100	Gas nozzle; cylindrical; ND Ø 17.0	10 Pcs.	145.0047	1036
101	Gas nozzle; cylindrical; heavy duty; ND Ø 17.0	10 Pcs.	145.0062	1036
102	Gas nozzle; conical; ND Ø 12.5	10 Pcs.	145.0080	1036
103	Gas nozzle; conical; heavy duty; ND Ø 12.5	10 Pcs.	145.0101	1036
104	Gas nozzle; tapered; ND Ø 10.0	10 Pcs.	145.0128	1036
105	Spot weld gas nozzle; ND Ø 17.0	10 Pcs.	145.0174	1036
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 3.00 m		124.0137	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 4.00 m		124.0138	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6-0.8; for 5.00 m		124.0139	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0113	1334

# MIG/MAG Welding Torches MB EVO 240 D

Pos.	Description	Details	Part-No.	Product group
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

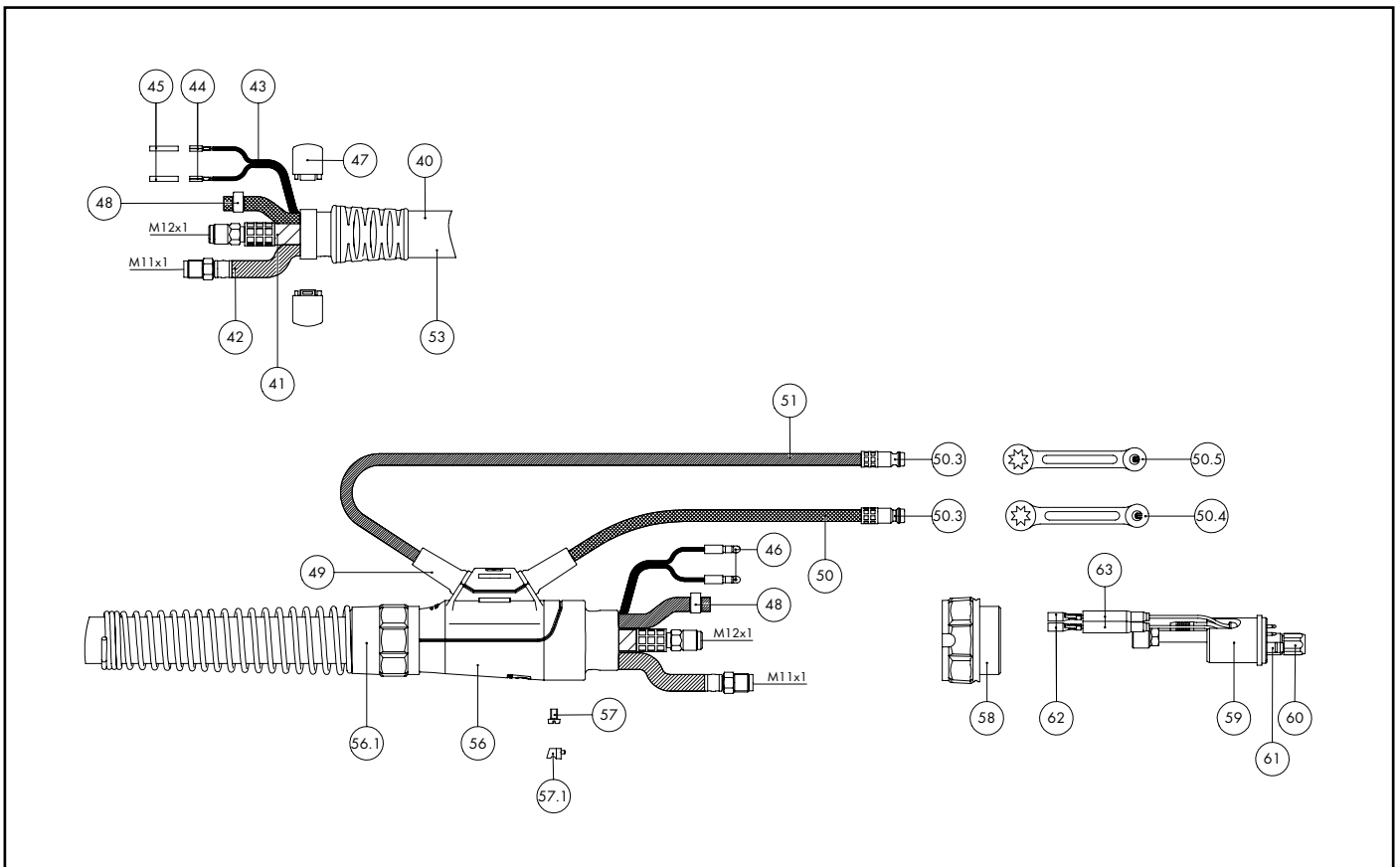
# MIG/MAG Welding Torches MB EVO 401 / 401 D



Pos.	Description	Details	Part-No.	Product group
<b>Torch (D-Version)</b>				
	MB EVO 401 D; central adaptor WZ-2; 3.00 m		033.0387.1	1064
	MB EVO 401 D; central adaptor WZ-2; 4.00 m		033.0388.1	1064
	MB EVO 401 D; central adaptor WZ-2; 5.00 m		033.0389.1	1064
<b>Torch</b>				
	MB EVO 401; central adaptor WZ-2; 3.00 m		030.0247.1	1064
	MB EVO 401; central adaptor WZ-2; 4.00 m		030.0248.1	1064
	MB EVO 401; central adaptor WZ-2; 5.00 m		030.0249.1	1064
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 401 D; 50° bent		033.0378.1	1009
1.1	Swan neck MB EVO PRO 401; 50° bent		030.0242.1	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole lc complete		180.0179.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Cable assembly MB EVO 3.00 m		022.0262.1	1095
40	Cable assembly MB EVO 4.00 m		022.0263.1	1095
40	Cable assembly MB EVO 5.00 m		022.0264.1	1095
41	Power cable PVC 3.00 m; MB EVO		115.0833.1	1012
41	Power cable PVC 4.00 m; MB EVO		115.0834.1	1012
41	Power cable PVC 5.00 m; MB EVO		115.0835.1	1012
42	Wire/gas conduit 3.00 m; MB EVO PRO / MB EVO		154.0017.1	1012
42	Wire/gas conduit 4.00 m; MB EVO PRO / MB EVO		154.0018.1	1012
42	Wire/gas conduit 5.00 m; MB EVO PRO / MB EVO		154.0019.1	1012
43	Control cable 2-pole	200 m	100.0019	4050

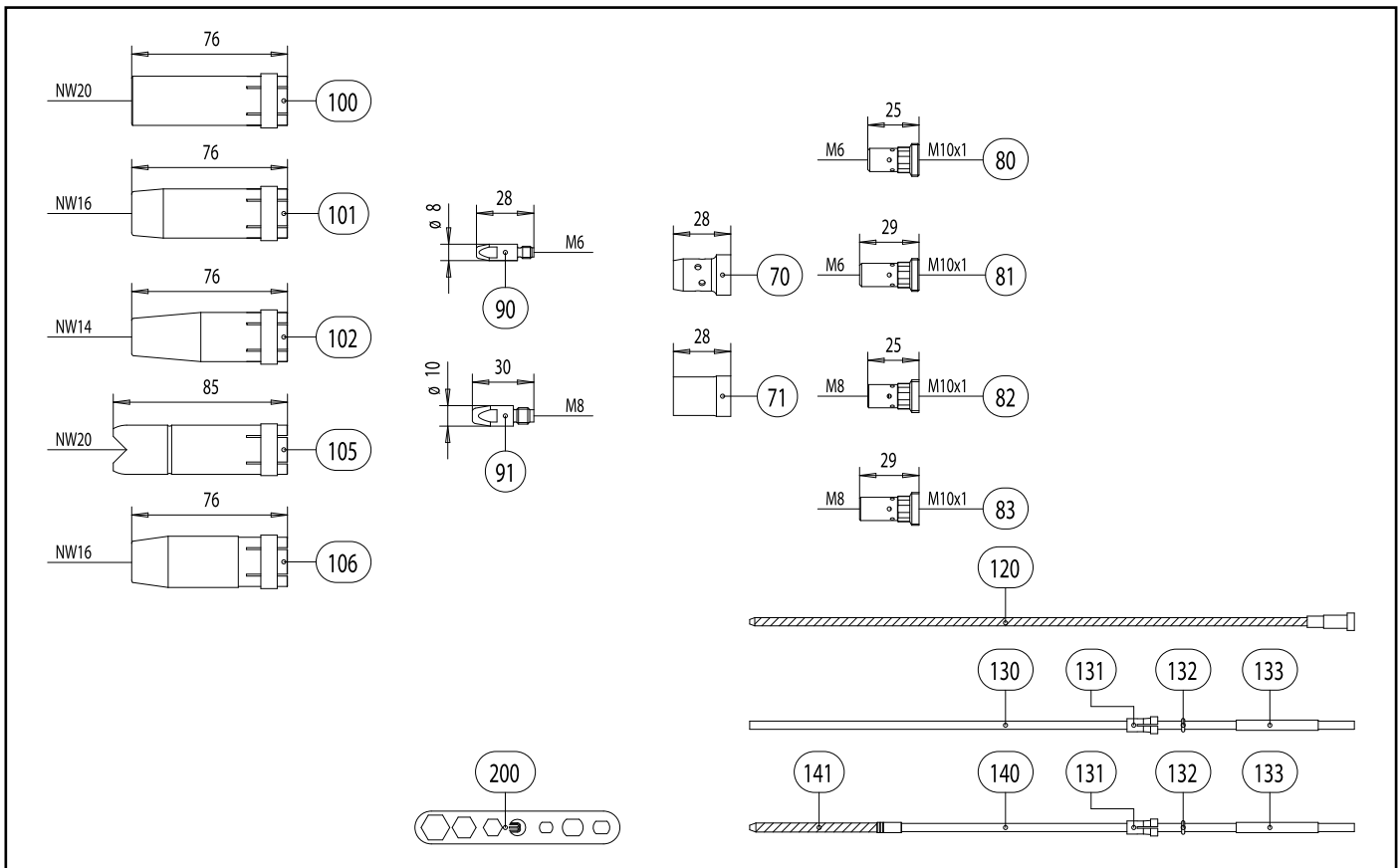


# MIG/MAG Welding Torches MB EVO 401 / 401 D



Pos.	Description	Details	Part-No.	Product group
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulation hose	20 Pcs.	110.0043.20	1395
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
49	Cable support sleeve PVC and FRH hose	10 Pcs.	500.0558.10	1395
50	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
50.3	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
50.3	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
50.4	Fastener cap blue	20 Pcs.	501.2424	1095
50.5	Fastener cap red	20 Pcs.	501.2423	1095
51	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0114	1095
51	Hose 46 red Ø 5.5x1.5	100 m	109.0056	4050
53	Outer cover complete 3.00 m; MB EVO PRO / MB EVO		107.0109.1	1095
53	Outer cover complete 4.00 m; MB EVO PRO / MB EVO		107.0110.1	1095
53	Outer cover complete 5.00 m; MB EVO PRO / MB EVO		107.0111.1	1095
56	Connection housing lc complete; MB EVO PRO / MB EVO		501.2670.1	9010
56.1	Connecting set machine side cpl. for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside	10 Pcs.	400.0328	9010
56.1	Biclip outside	10 Pcs.	400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2 / M12x1; MB EVO PRO / MB EVO		501.2677.1	9010
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

# MIG/MAG Welding Torches MB EVO 401 / 401 D



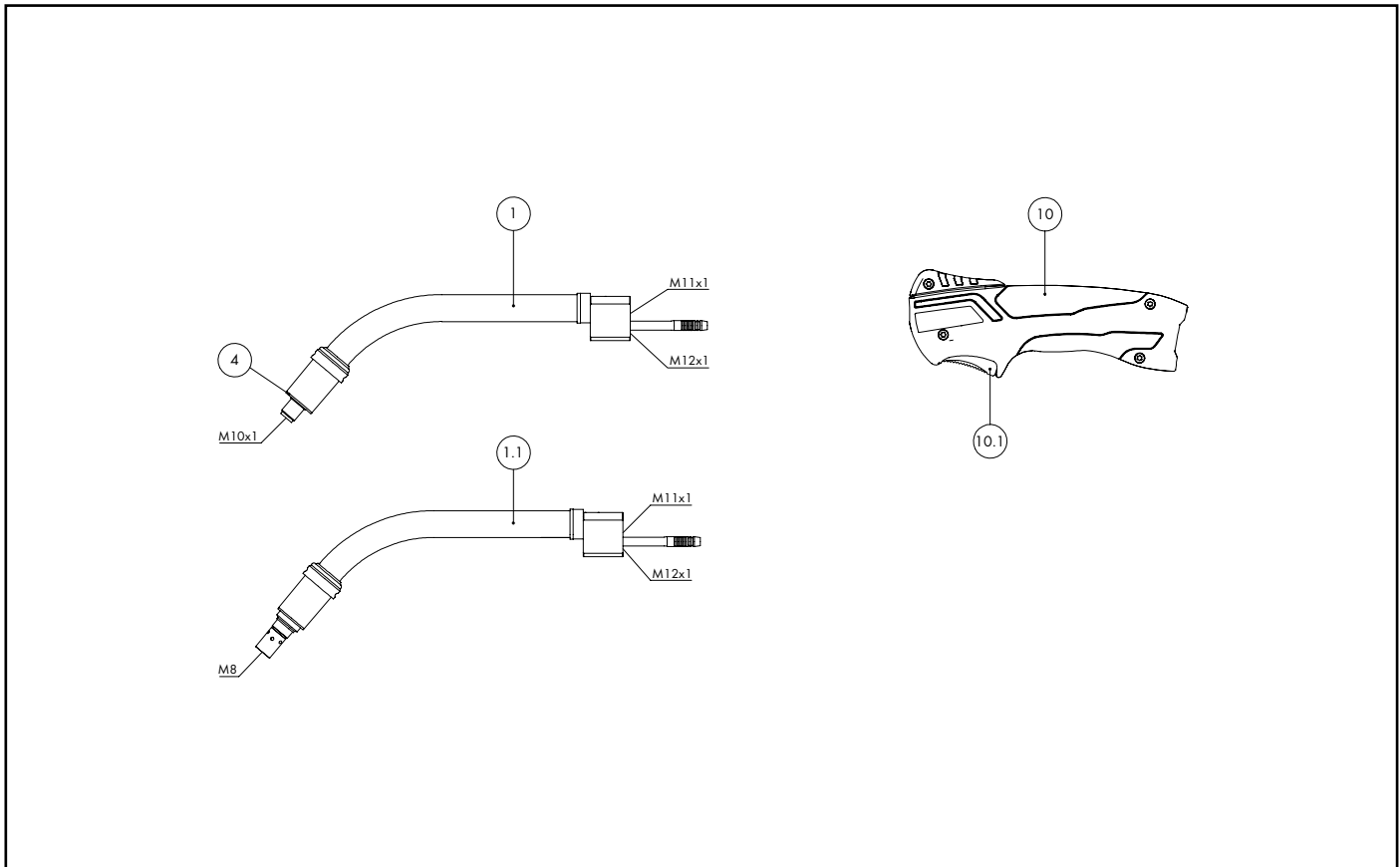
## Pos. Description

Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts MB EVO 401 / 401 D</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	<b>Gas diffuser, long life</b>	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
71	<b>Nozzle insulator</b>	10 Pcs.	146.0013	1032
Wear parts MB EVO 401 D				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
<b>Wear parts MB EVO 401 D</b>				
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
Wear parts MB EVO 401 D				
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB EVO 401 / 401 D</b>				
90	Contact tip M6 E-Cu; $\varnothing$ 0.8 (8x28)	10 Pcs.	140.0051	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 CuCrZr; $\varnothing$ 0.8 (8x28)	10 Pcs.	140.0054	1031
90	Contact tip M6 CuCrZr; $\varnothing$ 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; $\varnothing$ 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 E-Cu; $\varnothing$ 0.8 for alu wire (8x28)	10 Pcs.	141.0001	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; $\varnothing$ 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030

# MIG/MAG Welding Torches MB EVO 401 / 401 D

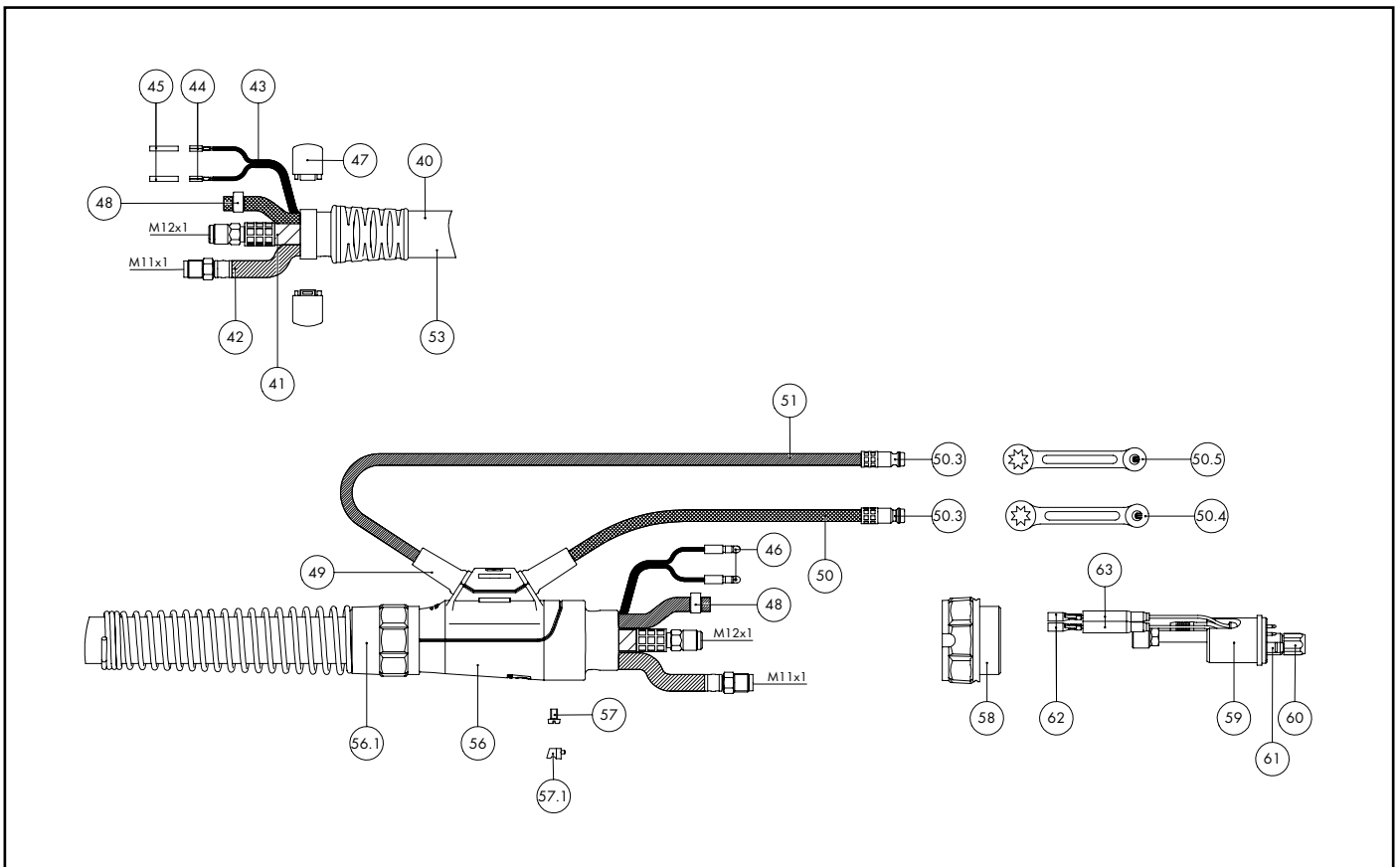
Pos.	Description	Details	Part-No.	Product group
90	Contact tip M6 CuCrZr silver-plated; Ø 0.8 (8x28)	10 Pcs.	147.0054	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031
91	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 Pcs.	140.0114	1030
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 Pcs.	140.0117	1031
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 0.8 (10x30)	10 Pcs.	147.0117	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 E-Cu; Ø 0.8 for alu wire (10x30)	10 Pcs.	141.0003	1030
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 3.00 m		124.0137	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 4.00 m		124.0138	1334
120	Guide spiral liner insulated; 1.5/4.0; blue; for wire Ø 0.6–0.8; for 5.00 m		124.0139	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0–1.2; for 5.00 m		124.0113	1334
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8–1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0–1.2; for 5.00 m		126.0028	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8–1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0–1.2; for 5.00 m		127.0008	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0–1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010

# MIG/MAG Welding Torches MB EVO 501 / 501 D



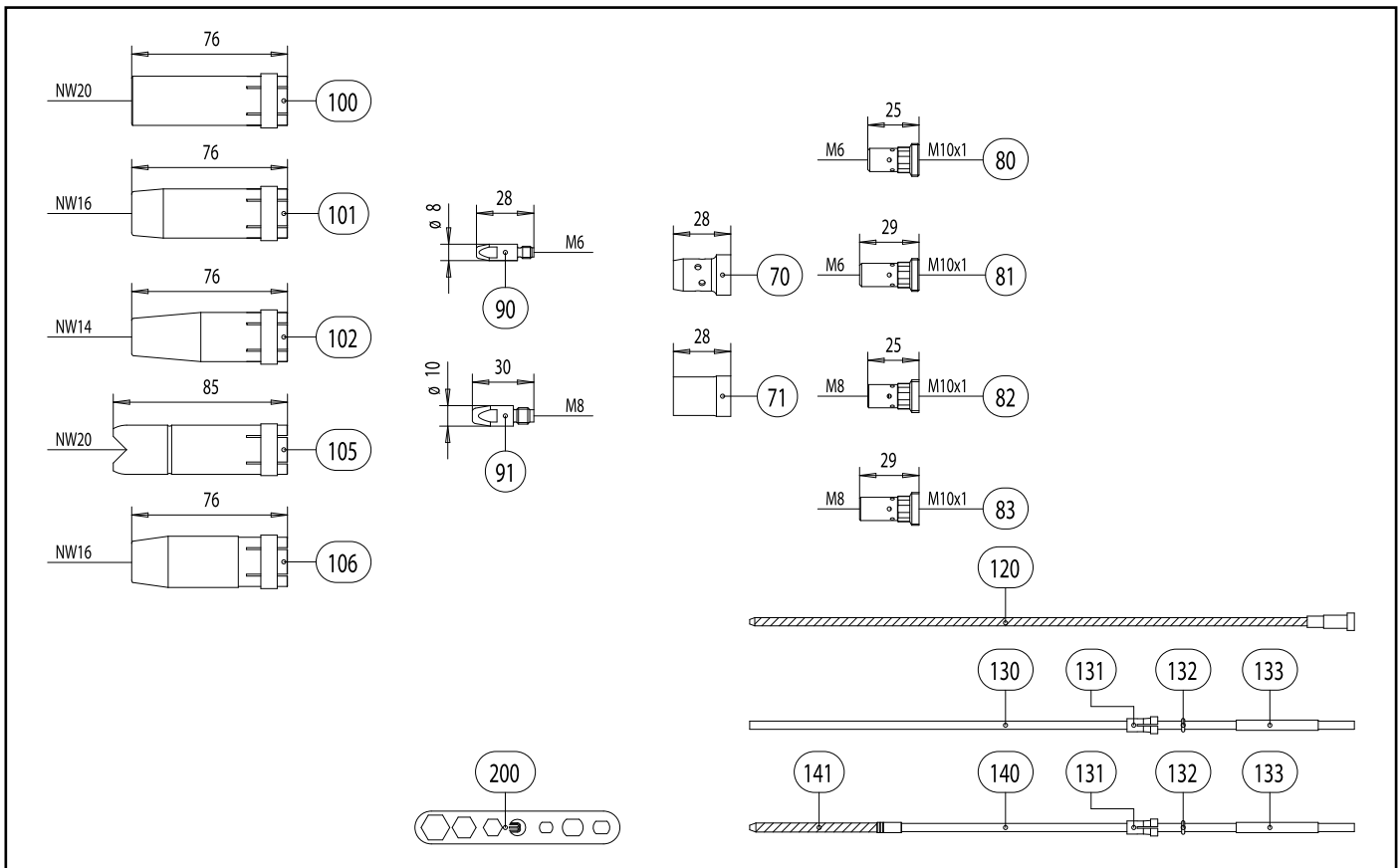
Pos.	Description	Details	Part-No.	Product group
<b>Torch (D-Version)</b>				
	MB EVO 501 D; central adaptor WZ-2; 3.00 m		034.0865.1	1064
	MB EVO 501 D; central adaptor WZ-2; 4.00 m		034.0866.1	1064
	MB EVO 501 D; central adaptor WZ-2; 5.00 m		034.0867.1	1064
<b>Torch</b>				
	MB EVO 501; central adaptor WZ-2; 3.00 m		032.0272.1	1064
	MB EVO 501; central adaptor WZ-2; 4.00 m		032.0273.1	1064
	MB EVO 501; central adaptor WZ-2; 5.00 m		032.0274.1	1064
<b>Swan neck</b>				
1	Swan neck MB EVO PRO 501 D; 50° bent		034.0856.1	1009
1.1	Swan neck MB EVO PRO 501; 50° bent		032.0267.1	1009
4	Insulator	20 Pcs.	030.0019	1095
<b>Handle MB EVO 2K</b>				
10	Handle MB EVO 2K; 2-pole lc complete		180.0179.1	1095
10.1	Trigger ergonomic 2-pole; MB EVO PRO / MB EVO		185.0142.1	9010
<b>Cable assembly</b>				
40	Cable assembly MB EVO 3.00 m		022.0262.1	1095
40	Cable assembly MB EVO 4.00 m		022.0263.1	1095
40	Cable assembly MB EVO 5.00 m		022.0264.1	1095
41	Power cable PVC 3.00 m; MB EVO		115.0833.1	1012
41	Power cable PVC 4.00 m; MB EVO		115.0834.1	1012
41	Power cable PVC 5.00 m; MB EVO		115.0835.1	1012
42	Wire/gas conduit 3.00 m; MB EVO PRO / MB EVO		154.0017.1	1012
42	Wire/gas conduit 4.00 m; MB EVO PRO / MB EVO		154.0018.1	1012
42	Wire/gas conduit 5.00 m; MB EVO PRO / MB EVO		154.0019.1	1012
43	Control cable 2-pole	200 m	100.0019	4050

# MIG/MAG Welding Torches MB EVO 501 / 501 D



Pos.	Description	Details	Part-No.	Product group
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulation hose	20 Pcs.	110.0043.20	1395
46	Male connector	20 Pcs.	175.0004	9010
47	Half ring D=37 black; MB EVO	2 Pcs.	400.D451.2	1595
48	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
49	Cable support sleeve PVC and FRH hose	10 Pcs.	500.0558.10	1395
50	Hose 47 blue Ø 5.5x1.5	100 m	109.0057	4050
50.3	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
50.3	Hose clamp D=9.5 infinitely variable; MB EVO PRO / MB EVO	20 Pcs.	173.0015.20	9010
50.4	Fastener cap blue	20 Pcs.	501.2424	1095
50.5	Fastener cap red	20 Pcs.	501.2423	1095
51	Hose 46 red Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0114	1095
51	Hose 46 red Ø 5.5x1.5	100 m	109.0056	4050
53	Outer cover complete 3.00 m; MB EVO PRO / MB EVO		107.0109.1	1095
53	Outer cover complete 4.00 m; MB EVO PRO / MB EVO		107.0110.1	1095
53	Outer cover complete 5.00 m; MB EVO PRO / MB EVO		107.0111.1	1095
56	Connection housing lc complete; MB EVO PRO / MB EVO		501.2670.1	9010
56.1	Connecting set machine side cpl. for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside	10 Pcs.	400.0328	9010
56.1	Biclip outside	10 Pcs.	400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2 / M12x1; MB EVO PRO / MB EVO		501.2677.1	9010
60	Coupling nut M10x1	10 Pcs.	501.D536	1595

# MIG/MAG Welding Torches MB EVO 501 / 501 D

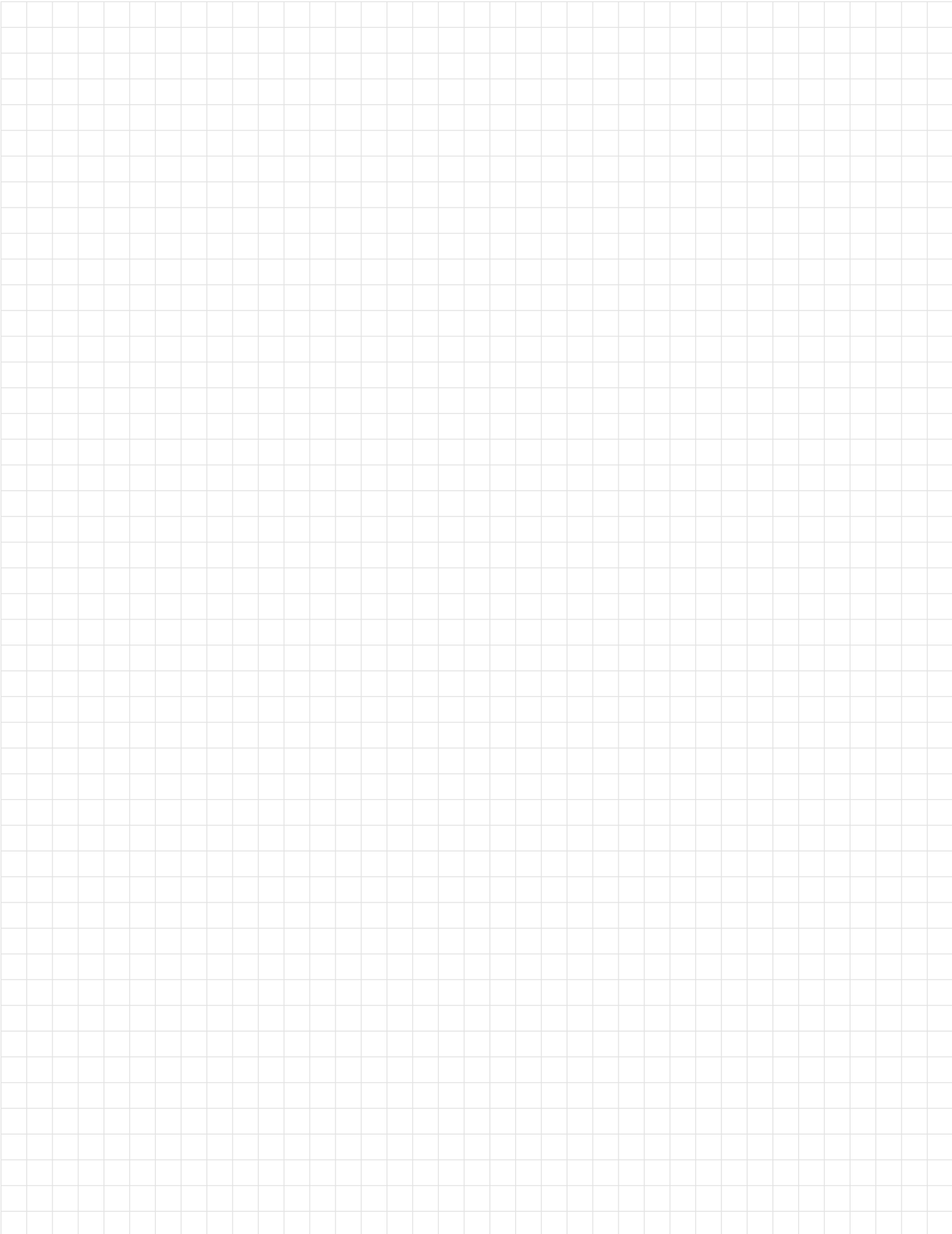


## Pos. Description

Pos.	Description	Details	Part-No.	Product group
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010
63	Insulating sleeve for central adapter	20 Pcs.	501.2609.20	1395
<b>Wear parts MB EVO 501 / 501 D</b>				
70	Gas diffuser, white	10 Pcs.	030.0145	1032
70	Gas diffuser, long life	10 Pcs.	030.0037	1032
70	Gas diffuser, ceramic	10 Pcs.	030.0190	1032
71	Nozzle insulator	10 Pcs.	146.0013	1032
<b>Wear parts MB EVO 501 D</b>				
80	Contact tip holder M6; 25.0 mm (short)	10 Pcs.	142.0008	1033
81	Contact tip holder M6; 29.0 mm (long)	10 Pcs.	142.0013	1033
82	Contact tip holder M8; 25.0 mm (short)	10 Pcs.	142.0022	1033
	Contact tip holder M8; 27.0 mm; CuCrZr	10 Pcs.	142.0201.10	1033
83	Contact tip holder M8; 29.0 mm (long)	10 Pcs.	142.0027	1033
<b>Wear parts MB EVO 501 / 501 D</b>				
90	Contact tip M6 E-Cu; Ø 1.0 (8x28)	10 Pcs.	140.0242	1030
90	Contact tip M6 E-Cu; Ø 1.2 (8x28)	10 Pcs.	140.0379	1030
90	Contact tip M6 E-Cu; Ø 1.6 (8x28)	10 Pcs.	140.0555	1030
90	Contact tip M6 CuCrZr; Ø 1.0 (8x28)	10 Pcs.	140.0245	1031
90	Contact tip M6 CuCrZr; Ø 1.2 (8x28)	10 Pcs.	140.0382	1031
90	Contact tip M6 CuCrZr; Ø 1.6 (8x28)	10 Pcs.	140.0558	1031
90	Contact tip M6 E-Cu; Ø 1.0 for alu wire (8x28)	10 Pcs.	141.0006	1030
90	Contact tip M6 E-Cu; Ø 1.2 for alu wire (8x28)	10 Pcs.	141.0010	1030
90	Contact tip M6 E-Cu; Ø 1.6 for alu wire (8x28)	10 Pcs.	141.0020	1030
90	Contact tip M6 CuCrZr silver-plated; Ø 1.0 (8x28)	10 Pcs.	147.0245	1031
90	Contact tip M6 CuCrZr silver-plated; Ø 1.2 (8x28)	10 Pcs.	147.0382	1031

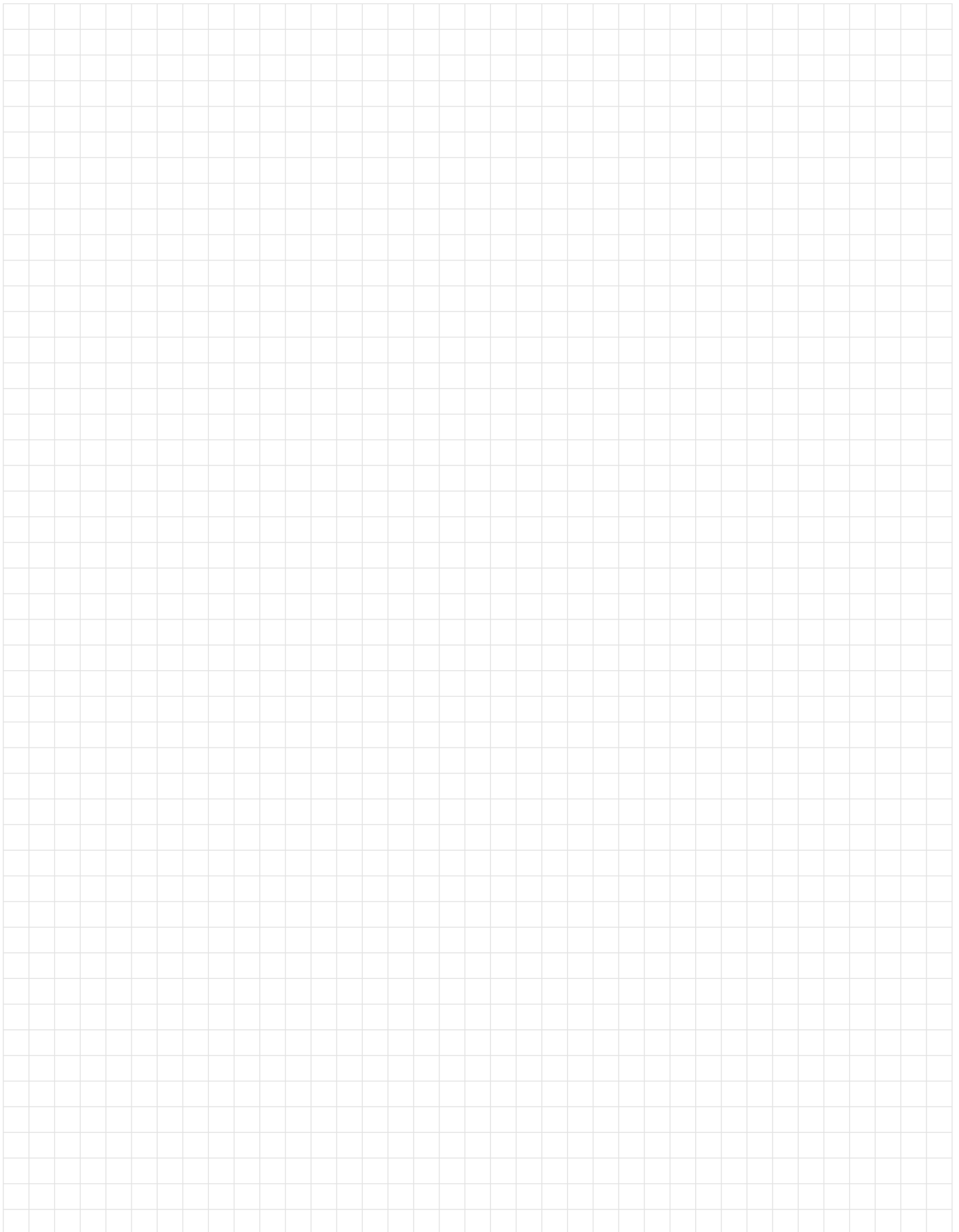
# MIG/MAG Welding Torches MB EVO 501 / 501 D

Pos.	Description	Details	Part-No.	Product group
91	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 Pcs.	140.0313	1030
91	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 Pcs.	140.0442	1030
91	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 Pcs.	140.0587	1030
91	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 Pcs.	140.0316	1031
91	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 Pcs.	140.0445	1031
91	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 Pcs.	140.0590	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.0 (10x30)	10 Pcs.	147.0316	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.2 (10x30)	10 Pcs.	147.0445	1031
91	Contact tip M8 CuCrZr silver-plated; Ø 1.6 (10x30)	10 Pcs.	147.0590	1031
91	Contact tip M8 E-Cu; Ø 1.0 for alu wire (10x30)	10 Pcs.	141.0008	1030
91	Contact tip M8 E-Cu; Ø 1.2 for alu wire (10x30)	10 Pcs.	141.0015	1030
91	Contact tip M8 E-Cu; Ø 1.6 for alu wire (10x30)	10 Pcs.	141.0022	1030
100	Gas nozzle; cylindrical; ND Ø 20.0	10 Pcs.	145.0051	1037
101	Gas nozzle; conical; ND Ø 16.0	10 Pcs.	145.0085	1037
102	Gas nozzle; tapered; ND Ø 14.0	10 Pcs.	145.0132	1037
105	Spot weld gas nozzle; ND Ø 20.0	10 Pcs.	145.0179	1037
106	Gas nozzle; heavy duty; ND Ø 16.0 (only use with nozzle insulator)	10 Pcs.	145.0086	1037
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0113	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 3.00 m		124.0114	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 4.00 m		124.0115	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 5.00 m		124.0116	1334
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 3.00 m		126.0005	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 4.00 m		126.0008	1034
130	PTFE core liner 1.5/4.0; blue; wire electrode Ø 0.8-1.0; for 5.00 m		126.0011	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 3.00 m		127.0002	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 4.00 m		127.0003	1034
130	PTFE carbon core liner 1.5/4.0; wire electrode Ø 0.8-1.0; for 5.00 m		127.0004	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 3.00 m		127.0005	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 4.00 m		127.0007	1034
130	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0-1.2; for 5.00 m		127.0008	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 3.00 m		127.0010	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 4.00 m		127.0012	1034
130	PTFE carbon core liner 2.7/4.7; wire electrode Ø 1.6; for 5.00 m		127.0013	1034
131	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095
131	Nipple for core liner at Ø 4.7	20 Pcs.	131.0002	1095
132	O-Ring 3.5x1.5	20 Pcs.	165.0008	9010
133	Guide tube for core liners up to Ø 4.0 (200 mm)	10 Pcs.	129.0461	1095
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 3.00 m		128.M002	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 4.00 m		128.M003	1034
140	Combined wire guide cpl. polyamide/brass; wire Ø 1.0-1.2; for 5.00 m		128.M004	1034
141	Brass spiral made up with sleeve (200 mm)	10 Pcs.	001.0305	1095
200	Spanner Standard	10 Pcs.	191.0001	9010





# Notes



# Standard Terms and Conditions of Deliveries and Services

## (Terms and Conditions of Sale) of Alexander Binzel Schweistechnik GmbH & Co. KG

### § 1 Validity of the Terms and Conditions of Business

- 1.1** All our deliveries, services and tenders take place exclusively on the basis of these Standard Terms and Conditions of Deliveries and Services Payment (hereinafter called "these business conditions"). These business conditions are an element of all agreements that we conclude with our contractual partners (hereinafter called "customers").
- 1.2** The customer's Standard Terms and Conditions of Business do not apply, even if we do not contradict their validity in individual cases. Neither does reference to a letter that contains the customer's or a third party's Standard Terms and Conditions of Business, or refers to such, constitute an agreement with the validity of the aforesaid Standard Terms and Conditions of Business. They also do not become a contractual element through conclusive actions, such as the production of a performance by us.
- 1.3** The business conditions apply to all agreements on deliveries and services on our part, as well as all peripheral services. These business conditions are valid for all future deliveries and services on our part even without a separate agreement of inclusion.

### § 2 Tender and conclusion of the agreement

- 2.1** Insofar as our tenders are marked expressly as being subject to change, we can also revoke these immediately after receipt of acceptance by the customer.
- 2.2** The customer does not acquire any copyright in any tenders or cost estimates submitted by us, nor to any drawings, illustrations, calculations, descriptions, models, tools and other documents and material resources made available to him. This also applies to those materials and documents mentioned that are expressly labelled "confidential" or whose confidential character arises from the circumstances. The passing on of the abovementioned materials and documents to third parties requires at any rate our permission. The customer must ensure this by appropriate agreements with his employees or any other persons who work with knowledge and consent in his area of responsibilities. The abovementioned materials and documents must be returned immediately at the customer's expense, if an agreement does not come into being or they are no longer required for further contractual implementation.

### § 3 Prices

- 3.1** Unless otherwise stated in the order confirmation, our prices are valid "ex Works", excluding packaging; this will be charged separately.
- 3.2** Legal value-added tax is not included in our prices. It is shown separately in the invoice in the amount legally prescribed on the day of invoicing. In the case of foreign transactions, the value-added tax no longer applies; however, the recipient must pay the taxes and fees incurred for the transfer into the recipient's country, especially customs duties and the additional legal taxes or charges incurred in the recipient's country itself.
- 3.3** The deduction of a discount for cash requires a separate agreement. The customer's Standard Terms and Conditions of Business, which call for the deduction of a cash discount, do not apply.

### § 4 Implementation of the deliveries and services, delivery and service times

- 4.1** Unless otherwise agreed, the delivery takes place "ex Works".
- 4.2** The start of the delivery or service time stated by us presupposes the clarification of all technical issues.
- 4.3** Furthermore, the observance of our delivery and service obligations presupposes the customer's punctual and proper performance. We are fully entitled to the plea of non-performance.
- 4.4** If the person ordering is in default of taking delivery or infringes any other duties to cooperate, we are entitled to request replacement of any loss incurred by us in this respect, including any additional expenditure. More extensive claims remain unaffected.
- 4.5** Insofar as the conditions of § 4 (4) are met, the risk of accidental loss or unintentional deterioration of the object to be delivered passes to the customer at that point in time, when he has fallen into default of taking delivery.
- 4.6** If it has been agreed with the customer that our delivery or service does not have to take place at a fixed time, but within a certain period, we are entitled to deliver or produce our performance before the expiration of the period also. If a fixed date has been agreed with the customer, we are entitled to premature delivery or production of the performance, after having given the customer reasonable notice of this before delivery or production of the performance. This does not apply, if the delivery can only take place on the agreed date for reasons discernible for us.
- 4.7** Unless otherwise agreed, the customer, in the case of agreements that entitle him to request partial deliveries from a total quantity of goods, is obligated to give us punctual requests and assortment plans for approximate identical monthly quantities. If the customer does not request delivery punctually or does not plan in good time, we are entitled to take over the planning ourselves and to deliver the goods after a reasonable extended deadline has passed fruitlessly. If the customer fails to request delivery at all or in good time or fails to plan at all or in good time we are entitled to withdraw from the entire agreement after prior warning. Any compensation claims to which we are legally entitled remain at any rate unaffected.
- 4.8** With regard to order for goods to be delivered on demand according to § 4 (7) of these business conditions, we are entitled, unless otherwise agreed, to procure the material for the entire order and to manufacture the entire quantity ordered immediately. Requests from the customer for changes can no longer be taken into consideration after the order has been placed.
- 4.9** Increased or short deliveries are permissible in accordance with ordinary trade usage.

### § 5 Delays in delivery

- 5.1** Stoppages caused by force majeure, strikes for which we are not responsible or lock-outs or a lack of operating and/or raw materials entitle us, to withdraw from the not yet fulfilled agreement, if the abovementioned circumstances make delivery or performance impossible not only temporarily and in addition were not discernible on conclusion of the agreement.
- 5.2** If we are in delay with a delivery or service or if a delivery or service becomes impossible for us, the customer's claim for compensation is restricted subject to § 9 of these business conditions.

### § 6 Place of performance, shipment, packaging, passing of the risk

- 6.1** The place of performance for all obligations from the contractual relationship with the customer is Buseck/Alten-Buseck.
- 6.2** Unless otherwise agreed, we will select the most economical packaging known to us and the most economical type of shipment known to us.
- 6.3** Unless otherwise agreed, the risk passes to the customer at the latest with the handover of the delivered objects to the shipping contractor, carrier or other company appointed with the implementation of the consignment. § 4 (4) remains unaffected.
- 6.4** The shipment will only be insured by us against theft, breakage, damage during transport, fire and water damage or any other insurable risks at the express written request/wish of the customer and at his expense.
- 6.5** We will only take back packaging in our storehouses (return depots). The customer pays the costs of transporting the packaging to the respective return depot. If packaging different from the standard packaging (special packaging) is used at the customer's request, the customer is obliged to recycle or dispose of this at his own expense.

### § 7 Customer's claims in case of defects or incomplete deliveries and services

- 7.1** The objects delivered by us must be carefully examined immediately after delivery to the customer or to the third party appointed by him. They are considered approved, if a complaint, that could have been discovered on careful examination, is not reported in writing within three days after receipt of the goods, the date of sending the complaint to us being decisive. If the defect was not noticeable by careful examination, the obligation to report the complaint immediately in writing is valid from the time of discovery.

- 7.2** If a delivery or service defect exists, for which we are responsible, we are obliged, at our option, to remedy the defect or deliver a replacement. In the case of remedying the defect, we are obliged to pay all costs required to remedy the defect, in particular transport, labour and material costs, unless these are increased by the fact that the purchased object was taken to a different location than the original place of consignment. This does not apply, if transporting the delivered object to another location corresponds to its agreed use.

If we select subsequent performance in the form of replacement, the delivered objects with failures must be sent back to us carriage paid, whereby the customer is obliged to select the most economical type of shipment.

- 7.3** The limitation period for claims based on quality defects. The warranty period amounts to one year and begins with the time of delivery to the customer or to a third party appointed by the customer.
- 7.4** The delivery of used objects takes place excluding any warranty whatsoever.

### § 8 Purchase of consumer goods

§ 7 (3) does not apply, if the newly manufactured objects delivered by us are sold to consumers, also within the context of a chain of suppliers.

### § 9 Compensatory damages

- 9.1** We are only liable - regardless of for which legal reason - for the wilful and gross negligent conduct of our agencies and vicarious agents as well as - without regard to the degree of culpability - for damages from injury to life, body or health.
- 9.2** We are also responsible for slight negligence by our agencies and vicarious agents in the event of delay in performance or infringement of any other cardinal duty. In such a case our liability is restricted to damage that has to be reasonably expected when concluding such an agreement.
- 9.3** All limitations of liability also apply in the event that the infringement of contractual duties simultaneously represents an actionable tort.

### § 10 Reservation of ownership

- 10.1** We retain the right to ownership of the delivered object until all payments from the delivery agreement have been received. In the event of breach of contract by the customer, especially in the case of default of payment, we are entitled to take the delivered object back after a reasonable extended deadline has passed fruitlessly. Taking back the delivered object does not signify a withdrawal from the agreement, unless expressly declared by us in writing. The seizure of the delivered goods by us invariably represents a withdrawal from the agreement. After repossessing taking back the delivered goods/object, we are authorised to sell them; the proceeds from the sale will be deducted from the customer's liabilities - minus reasonable realisation costs.
- 10.2** The customer is obliged to keep the delivered objects in safe custody for us and to treat them with care.
- 10.3** In the event of seizures or any other third-party encroachments on our delivered objects, the customer must notify us immediately in writing so that we can take legal action according to § 771 Civil Procedure Rules (ZPO). If the third party is not in a position to refund us the legal and out-of-court costs of a lawsuit according to § 771 ZPO, the customer person ordering is liable for the loss incurred by us.
- 10.4** The customer is entitled to re-sell the delivered object in the normal course of business; however, he now already assigns us all demands amounting to the final invoice amount (including value-added tax) of our demand arising against his customers or third parties from the resale, regardless of whether the delivered object is re-sold with or without processing. The customer is also authorised to collect this demand after the assignment. Our authorisation to collect the demand ourselves remains unaffected by this. However, we agree not to collect the demand as long as the customer fulfils his payment obligations from the collected revenue, does not fall behind in his payments, and in particular no application for commencement of insolvency proceedings has been filed or there is a suspension of payments. However, if this is the case, we can request that the customer informs us of the assigned demands and their debtor immediately, gives us all details necessary for their collection, hands over the relevant documentation and notifies the debtor (third party) of the assignment immediately and informs us thereof by means of a copy/accompanying letter.
- 10.5** The processing or transformation of the delivered objects by the customer will always be carried out on our behalf by us. If the delivered object is processed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other processed objects at the time of processing. The same provisions apply otherwise for the object created by the aforesaid processing as for the object delivered with reservations.
- 10.6** If the delivered object is inseparably mixed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other mixed objects at the time of mixing. If the mixing takes place in a way in which the customer's object is to be regarded as the main object, it is considered agreed that the customer will transfer proportionate co-ownership to us. The customer will safeguard the created sole ownership or co-ownership for us.
- 10.7** At the customer's request, we undertake to release the securities to which we are entitled insofar as the feasible value of our securities exceeds the demands to be safeguarded by more than 10 %; we are entitled to select the securities to be released.

### § 11 Terms of payment

- 11.1** Unless otherwise agreed, our invoice amounts are payable within 30 days without any deduction. On expiration of this deadline, the customer is in default of payment without a warning on our part being required.
- 11.2** The customer may not exercise any right of set-off unless his/its counterclaim shall be undisputed or conclusively ruled upon. The same applies to the assertion of a right of retention.

### § 12 Written form and final provisions

- 12.1** Any regulations deviating from these business conditions require the written form. This does not apply to regulations, which have been agreed from our side with Managing Directors or authorised signatories.
- 12.2** The legal venue for any disputes from the business relationship between us and the customer is Gießen. However, we are also entitled to take legal action against the customer at his standard legal venue as well as at the location to which the delivered object was sent at the customer's request.
- 12.3** All legal relationships in connection with entering in, performing under or termination of this agreement shall be governed and construed in all respects in accordance with the laws of the Federal Republic of Germany with the exclusion of the Convention on Contracts for the International Sale of Goods (CISG). This also applies, if the legal relationships arise from tort or based on any other legal bases.





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# TIG



## Spare Parts List 2.0 / V1



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## About us ...



### **A global leader.**

With more than 850 employees, 30 production and sales companies, as well as over 20 exclusive partners, Alexander Binzel Schweißtechnik GmbH & Co. KG, founded in 1945, is one of the global leaders in arc welding and torch engineering.

In addition to the high quality product range, the company offers comprehensive individual solutions for welding-related production. Defined market attributes and guarantees for worldwide market success are: R&D strengths, high quality products, engineering expertise and our international sales, consulting and service network.

Trading partners and users all over the world can avail of a dedicated office and field consulting and support team.



### **Quality. Made by ABICOR BINZEL.**

Our products are manufactured according to Binzel standards and international directives. Certificated according to DIN EN ISO 9001.

### **Innovation. Today and in future.**

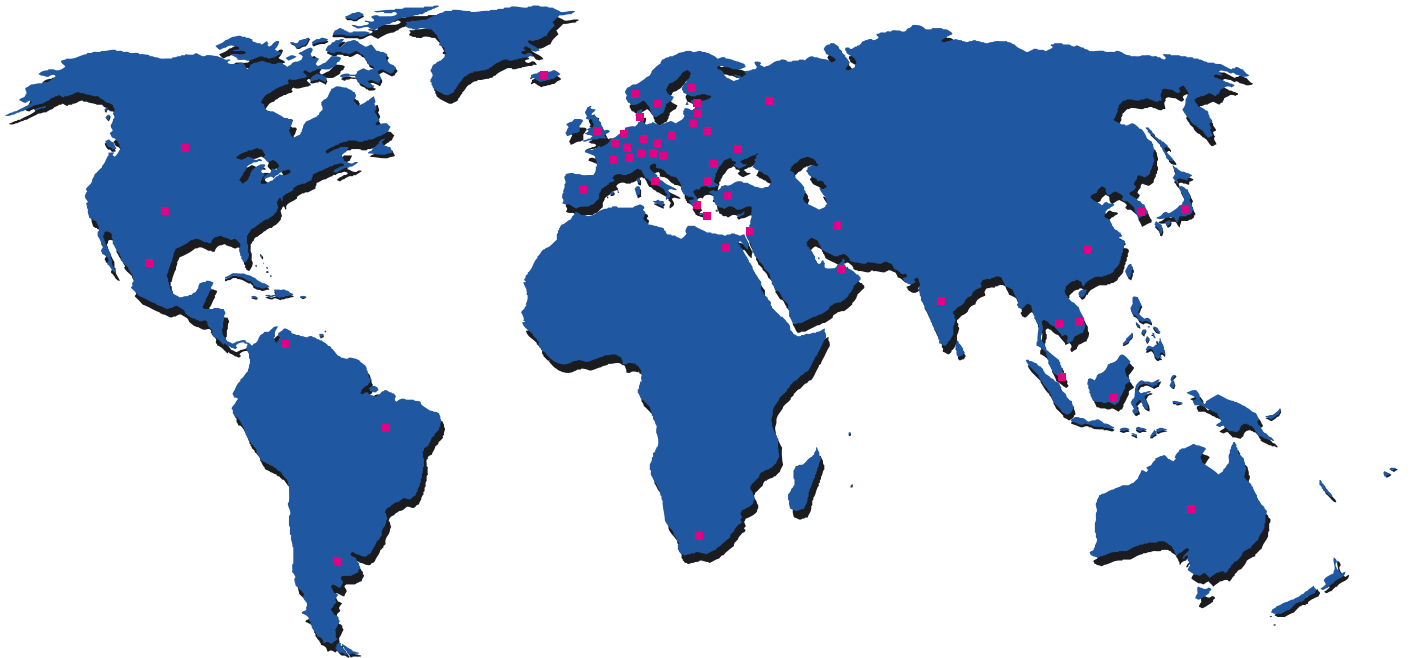
ABICOR BINZEL has its own R&D. Our modern laboratories cooperate with innovative science, research and industry experts throughout the world.





## Global Player. Proximity to the customers – everywhere.

Worldwide proximity to the customers is one of the success points of the quality brand ABICOR BINZEL. In the last years the network of our subsidiaries and representatives was considerably widened. This ensures the global consulting, service and supply competence in the most important industrial countries. Further-on the worldwide coverage of the costumers with original parts and accessories is guaranteed.



## Original brand name quality. Internationally represented in:

 Egypt	 Israel	 Spain
 Argentina	 Italy	 South Africa
 Australia	 Japan	 South Korea
 Belgium	 Canada	 Thailand
 Brazil	 Latvia	 Czech Republic
 Bulgaria	 Lithuania	 Turkey
 China	 Luxembourg	 Ukraine
 Denmark	 Mexico	 Hungary
 Germany	 Netherlands	 USA
 England	 Norway	 Venezuela
 Estonia	 Austria	 United Arab Emirates
 Finland	 Poland	 Vietnam
 France	 Romania	 Belarus
 Greece	 Russia	 Cyprus
 India	 Sweden	
 Indonesia	 Switzerland	
 Iran	 Singapore	
 Iceland	 Slovakia	





# TIG Welding Torches

## ABITIG® GRIP

### air and liquid cooled

### “The universal solution”

ABITIG® GRIP - the complete solution in the field of TIG Welding Torches. This range represents a logical development of the ABITIG®-Torch range, which has distinguished itself by its consistent implementation of modular design and optimum ergonomics.

The torches in various ratings, both air and liquid cooled, are fitted with a uniform ergonomic handle with “GRIP” and optimised cable assembly management, into which numerous switch and control functions can be integrated. All consumables are compatible to the international “SR-Standard”.

The flexible cable assemblies are available with modular and robust machine-side connections.

- One ergonomic handle with “GRIP” for all ABITIG® GRIP torch types - offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle - individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for all available TIG welding power sources
- Consumables compatible to the international standard

#### Technical data (EN 60 974-7)

#### TIG Welding Torches “ABITIG® GRIP” (air cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
ABITIG® GRIP 9 / F	110	80	35	0.5 - 1.6
ABITIG® GRIP 17 / F	140	100	35	0.5 - 2.4
ABITIG® GRIP 24 G	110	80	35	0.5 - 1.6
ABITIG® GRIP 26 / F / K	180	130	35	0.5 - 4.0

F=Flexible. K=Short. Subject to change without notice.

#### TIG Welding Torches “ABITIG® GRIP” (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
ABITIG® GRIP 12-1	350	250	100	1.6 - 4.0
ABITIG® GRIP 18 / F / K	320	230	100	0.5 - 4.0
ABITIG® GRIP 18 SC	400	280	100	0.5 - 4.8
ABITIG® GRIP 20	240	170	100	0.5 - 3.2
ABITIG® GRIP 24 W	140	100	100	0.5 - 2.4

F=Flexible. K=Short. Subject to change without notice.



# TIG Welding Torches

## ABITIG® GRIP Little

### air and liquid cooled

### "Compact & Flexible"

The welding torch line ABITIG® GRIP Little – particularly suited to those everyday, less accessible welding jobs. Maximum flexibility with no compromises.

The torches of various ratings, both air and liquid cooled, are combined with a standardized ergonomic handle with "GRIP" and optimised cable assembly management, into which standard switching and control functions can be integrated. All consumables are compatible to the international "SR-Standard".

In addition the flexible cable assemblies are available with modular and robust machine-side connections.

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle
- Excellent protection against high frequency flashover
- Light and flexible cable assemblies (High-Flex-Leather) with modular machine-side connections for all available TIG welding power sources
- Consumables compatible to the international standard
- Air cooled up to 140 A – at 35% duty cycle
- Liquid cooled up to 220 A – at 100% duty cycle

#### Technical data (EN 60 974-7)

#### TIG Welding Torches "ABITIG® GRIP Little" (air cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
<b>ABITIG® GRIP Little 9 / F</b>	110	80	35	0.5 - 1.6
<b>ABITIG® GRIP Little 17 / F</b>	140	100	35	0.5 - 2.4
<b>ABITIG® GRIP Little 24 G</b>	110	80	35	0.5 - 1.6

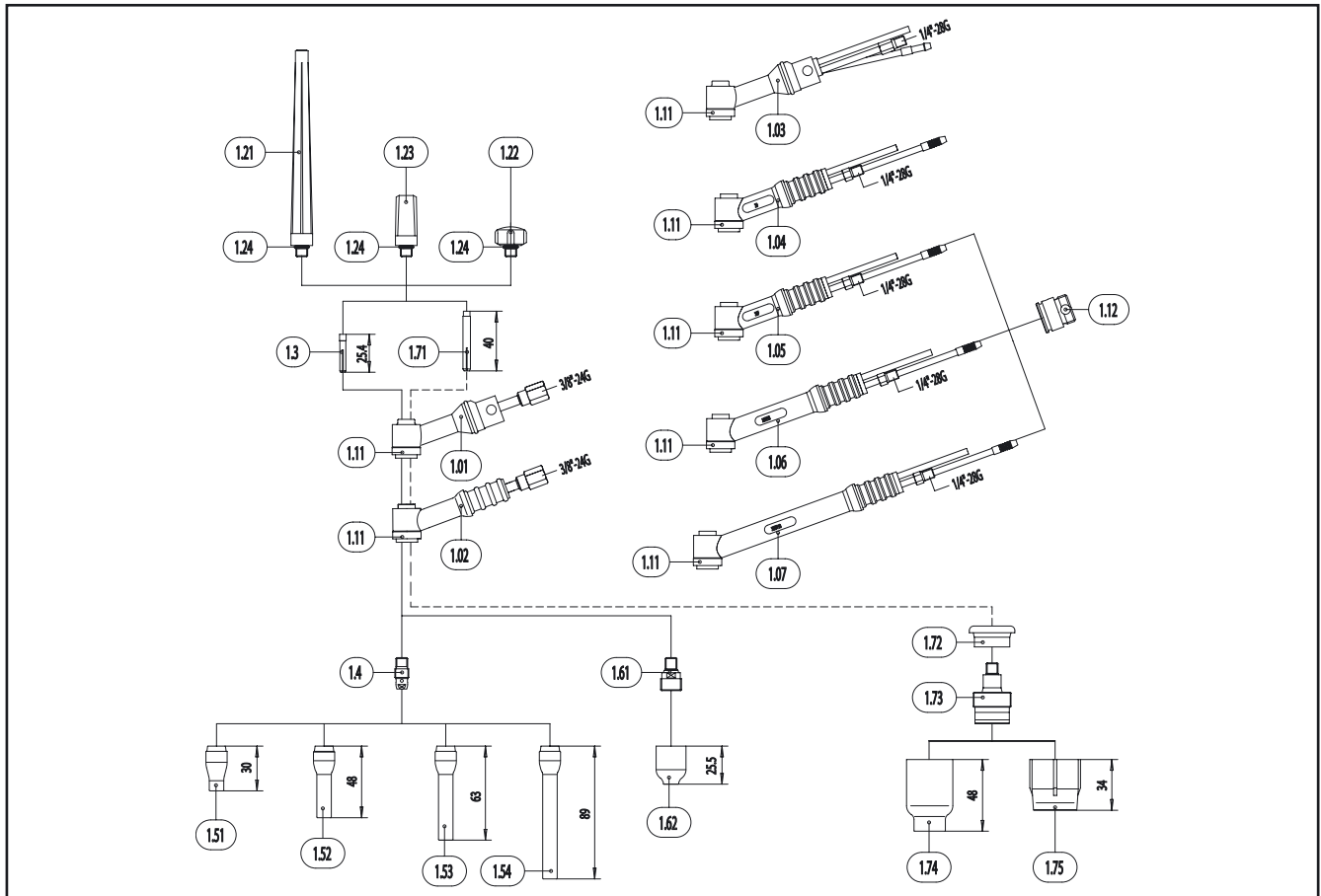
F=Flexible. Subject to change without notice.

#### TIG Welding Torches "ABITIG® GRIP Little" (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
<b>ABITIG® GRIP Little 20 / F</b>	220	150	100	0.5 - 3.2
<b>ABITIG® GRIP Little 24 W</b>	140	100	100	0.5 - 2.4

F=Flexible. Subject to change without notice.

# TIG Welding Torches ABITIG® GRIP 9 / 20 – ABITIG® GRIP Little 9 / 20

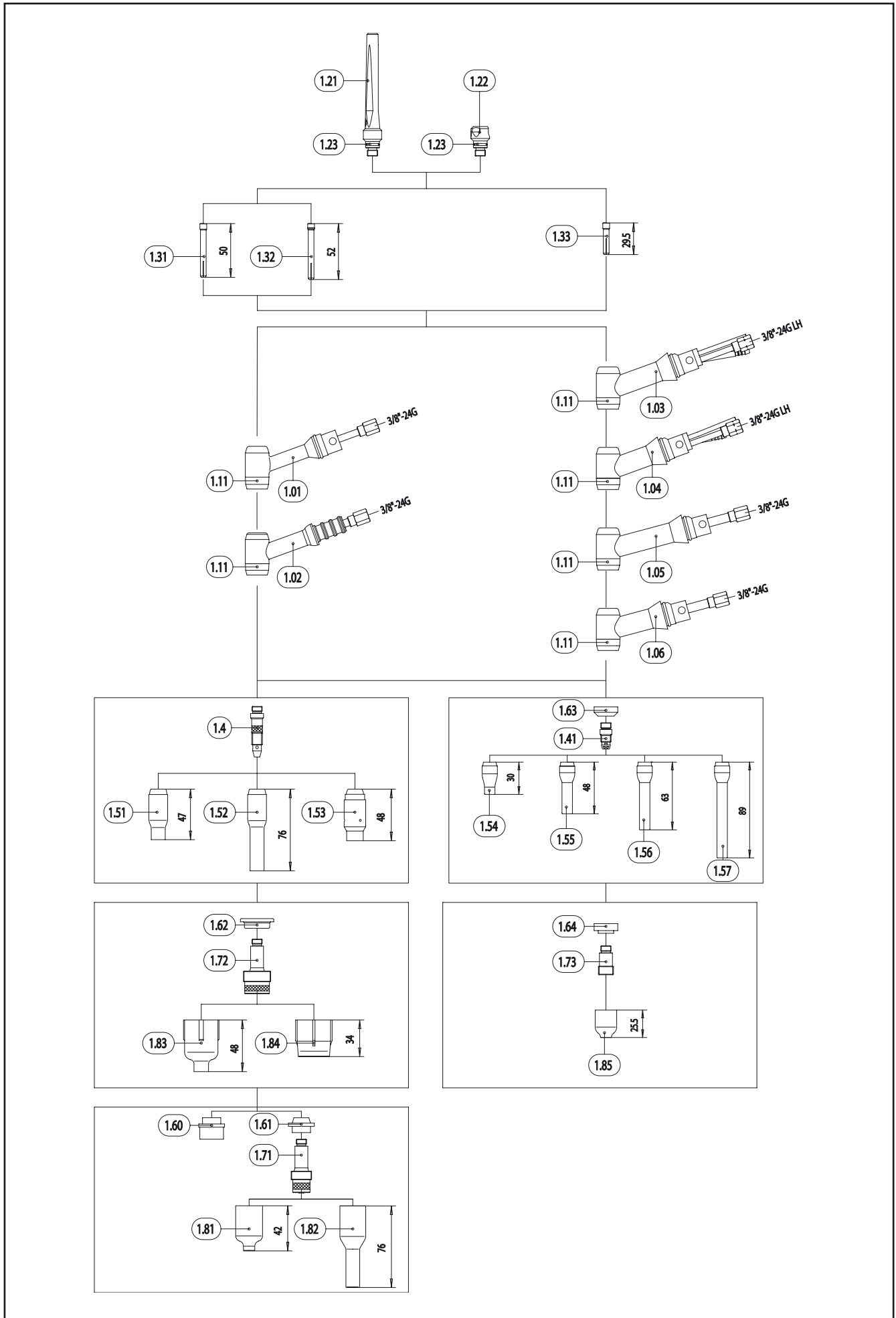


Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.01	Torch body ABITIG® GRIP 9; 46.0 mm long		712.5020	2002
w/o. fig.	Torch body ABITIG® GRIP 9 F (flexible); 46.0 mm long		712.5030	2002
1.02	Torch body SR / ABITIG® GRIP Little 9; 46.0 mm long		705.0001	2002
w/o. fig.	Torch body SR / ABITIG® GRIP Little 9 F (flexible); 46.0 mm long		703.0001	2002
1.03	Torch body ABITIG® GRIP 20; 46.0 mm long		712.3020	2002
w/o. fig.	Torch body ABITIG® GRIP 20 F (flexible); 46.0 mm long		712.3030	2002
1.04	Torch body SR / ABITIG® GRIP Little 20; 46.0 mm long		705.0058	2002
1.05	Torch body SR / ABITIG® GRIP Little 20 F (flexible); 46.0 mm long		703.0302	2002
1.06	Torch body SR / ABITIG® GRIP Little 20 F (flexible); 75.0 mm long		703.0305	2002
1.07	Torch body SR / ABITIG® GRIP Little 20 F (flexible); 110.0 mm long		703.0306	2002
1.11	Insulating ring	10 Pcs.	702.0055	2003
w/o. fig.	Shrink hose Ø 19.1 mm	60 m	104.0007	4050
1.12	Socket		712.7026	2005
<b>Wear parts</b>				
1.21	Back cap, long; (41V24)	10 Pcs.	701.0247	2009
1.22	Back cap, short; (41V33)	10 Pcs.	701.0240	2009
1.23	Back cap, medium; (41V35)	10 Pcs.	701.0244	2009
1.24	O-Ring 4.6x2	20 Pcs.	165.0028	9010
1.3	Collet for electrode Ø 0.5 mm; 25.4 mm long; (13N20)	10 Pcs.	701.0249	2007
1.3	Collet for electrode Ø 1.0 mm; 25.4 mm long; (13N21)	10 Pcs.	701.0250	2007
1.3	Collet for electrode Ø 1.2 mm; 25.4 mm long	10 Pcs.	701.0254	2007
1.3	Collet for electrode Ø 1.6 mm; 25.4 mm long; (13N22)	10 Pcs.	701.0251	2007
1.3	Collet for electrode Ø 2.0 mm; 25.4 mm long	10 Pcs.	701.0255	2007
1.3	Collet for electrode Ø 2.4 mm; 25.4 mm long; (13N23)	10 Pcs.	701.0252	2007
1.3	Collet for electrode Ø 3.2 mm; 25.4 mm long; (13N24)	10 Pcs.	701.0253	2007
1.3	Collet for electrode Ø 0.5 mm; 25.4 mm long; (brass)	10 Pcs.	701.1060	2007
1.3	Collet for electrode Ø 1.0 mm; 25.4 mm long; (brass)	10 Pcs.	701.1061	2007

# TIG Welding Torches ABITIG® GRIP 9 / 20 – ABITIG® GRIP Little 9 / 20

Pos.	Description	Units	Part-No.	Product-group
1.3	Collet for electrode Ø 1.2 mm; 25.4 mm long; (brass)	10 Pcs.	701.1027	2007
1.3	Collet for electrode Ø 1.6 mm; 25.4 mm long; (brass)	10 Pcs.	701.1019	2007
1.3	Collet for electrode Ø 2.4 mm; 25.4 mm long; (brass)	10 Pcs.	701.1020	2007
1.3	Collet for electrode Ø 3.2 mm; 25.4 mm long; (brass)	10 Pcs.	701.1063	2007
1.4	Collet body for electrode Ø 0.5 - 1.0 mm; (13N26)	10 Pcs.	701.0275	2008
1.4	Collet body for electrode Ø 1.2 mm	10 Pcs.	701.0279	2008
1.4	Collet body for electrode Ø 1.6 mm; (13N27)	10 Pcs.	701.0276	2008
1.4	Collet body for electrode Ø 2.0 mm	10 Pcs.	701.0280	2008
1.4	Collet body for electrode Ø 2.4 mm; (13N28)	10 Pcs.	701.0277	2008
1.4	Collet body for electrode Ø 3.2 mm; (13N29)	10 Pcs.	701.0278	2008
1.51	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 30.0 mm long; (13N08)	10 Pcs.	701.0281	2004
1.51	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 30.0 mm long; (13N09)	10 Pcs.	701.0282	2004
1.51	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 30.0 mm long; (13N10)	10 Pcs.	701.0283	2004
1.51	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 30.0 mm long; (13N11)	10 Pcs.	701.0284	2004
1.51	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 30.0 mm long; (13N12)	10 Pcs.	701.0285	2004
1.51	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 30.0 mm long; (13N13)	10 Pcs.	701.0286	2004
1.52	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 48.0 mm long; (796F71)	10 Pcs.	701.0289	2004
1.52	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 48.0 mm long; (796F72)	10 Pcs.	701.0290	2004
1.52	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48.0 mm long; (796F73)	10 Pcs.	701.0291	2004
1.53	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 63.0 mm long; (796F75)	10 Pcs.	701.0293	2004
1.53	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 63.0 mm long; (796F76)	10 Pcs.	701.0294	2004
1.54	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 89.0 mm long; (796F79)	10 Pcs.	701.0296	2004
1.61	Collet body for electrode with gas lens Ø 0.5 - 1.0 mm; (45V41 / 45V42)	10 Pcs.	701.0301	2016
1.61	Collet body for electrode with gas lens Ø 1.2 mm	10 Pcs.	701.0313	2016
1.61	Collet body for electrode with gas lens Ø 1.6 mm; (45V43)	10 Pcs.	701.0307	2016
1.61	Collet body for electrode with gas lens Ø 2.0 mm	10 Pcs.	701.0315	2016
1.61	Collet body for electrode with gas lens Ø 2.4 mm; (45V44)	10 Pcs.	701.0309	2016
1.61	Collet body for electrode with gas lens Ø 3.2 mm; (45V45)	10 Pcs.	701.0311	2016
1.62	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 25.5 mm long; (53N58)	10 Pcs.	701.0317	2004
1.62	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 25.5 mm long; (53N59)	10 Pcs.	701.0318	2004
1.62	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 25.5 mm long; (53N60)	10 Pcs.	701.0319	2004
1.62	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 25.5 mm long; (53N61)	10 Pcs.	701.0320	2004
1.71	Collet for electrode Ø 0.5 mm; 40.0 mm long; (13N20L)	10 Pcs.	701.1225	2007
1.71	Collet for electrode Ø 1.0 mm; 40.0 mm long; (13N21L)	10 Pcs.	701.1226	2007
1.71	Collet for electrode Ø 1.6 mm; 40.0 mm long; (13N22L)	10 Pcs.	701.1227	2007
1.71	Collet for electrode Ø 2.4 mm; 40.0 mm long; (13N23L)	10 Pcs.	701.1228	2007
1.71	Collet for electrode Ø 3.2 mm; 40.0 mm long; (13N24L)	10 Pcs.	701.1229	2007
1.72	Adaptor (54N63-20)	5 Pcs.	701.1234	2003
1.73	Collet body for electrode with gas lens Ø 0.5 - 1.0 mm; (45V0204S)	5 Pcs.	701.1230	2016
1.73	Collet body for electrode with gas lens Ø 1.6 mm; (45V116S)	5 Pcs.	701.1231	2016
1.73	Collet body for electrode with gas lens Ø 2.4 mm; (45V64S)	5 Pcs.	701.1232	2016
1.73	Collet body for electrode with gas lens Ø 3.2 mm; (995795S)	5 Pcs.	701.1233	2016
1.74	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48.0 mm long; (57N75)	10 Pcs.	701.1199	2004
1.74	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 48.0 mm long; (57N74)	10 Pcs.	701.1200	2004
1.74	Ceramic gas nozzle; no.10; Ø 16.0 mm; 48.0 mm long (53N88)	10 Pcs.	701.1201	2004
1.74	Ceramic gas nozzle; no.12; Ø 19.5 mm; 48.0 mm long; (53N87)	10 Pcs.	701.1121	2004
1.75	Ceramic gas nozzle; Ø 24.0 mm; 34.0 mm long; (53N89)	10 Pcs.	701.1202	2004

# TIG Welding Torches ABITIG® GRIP 17 / 18 / 26 – ABITIG® GRIP Little 17



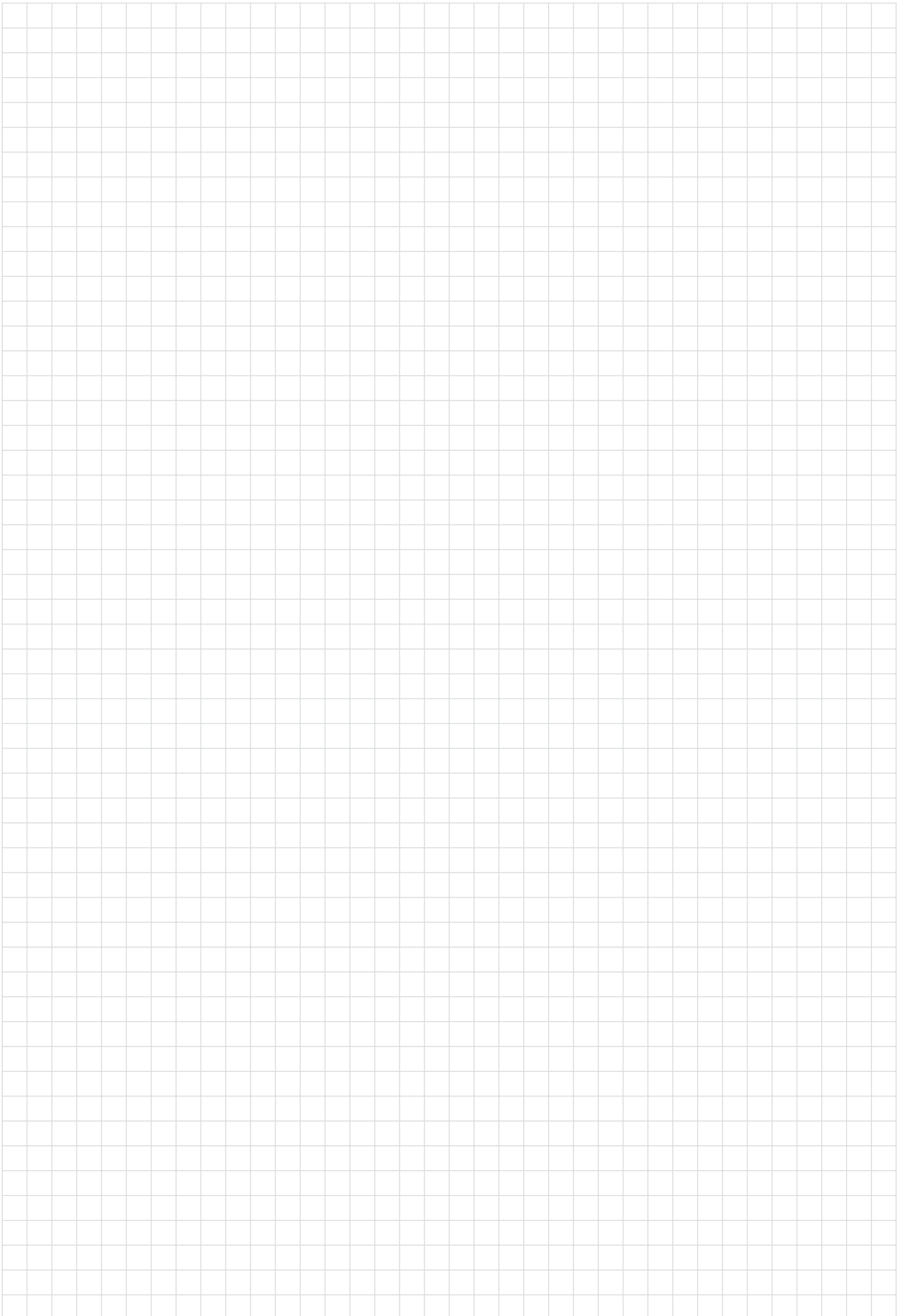


# TIG Welding Torches ABITIG® GRIP 17 / 18 / 26 – ABITIG® GRIP Little 17

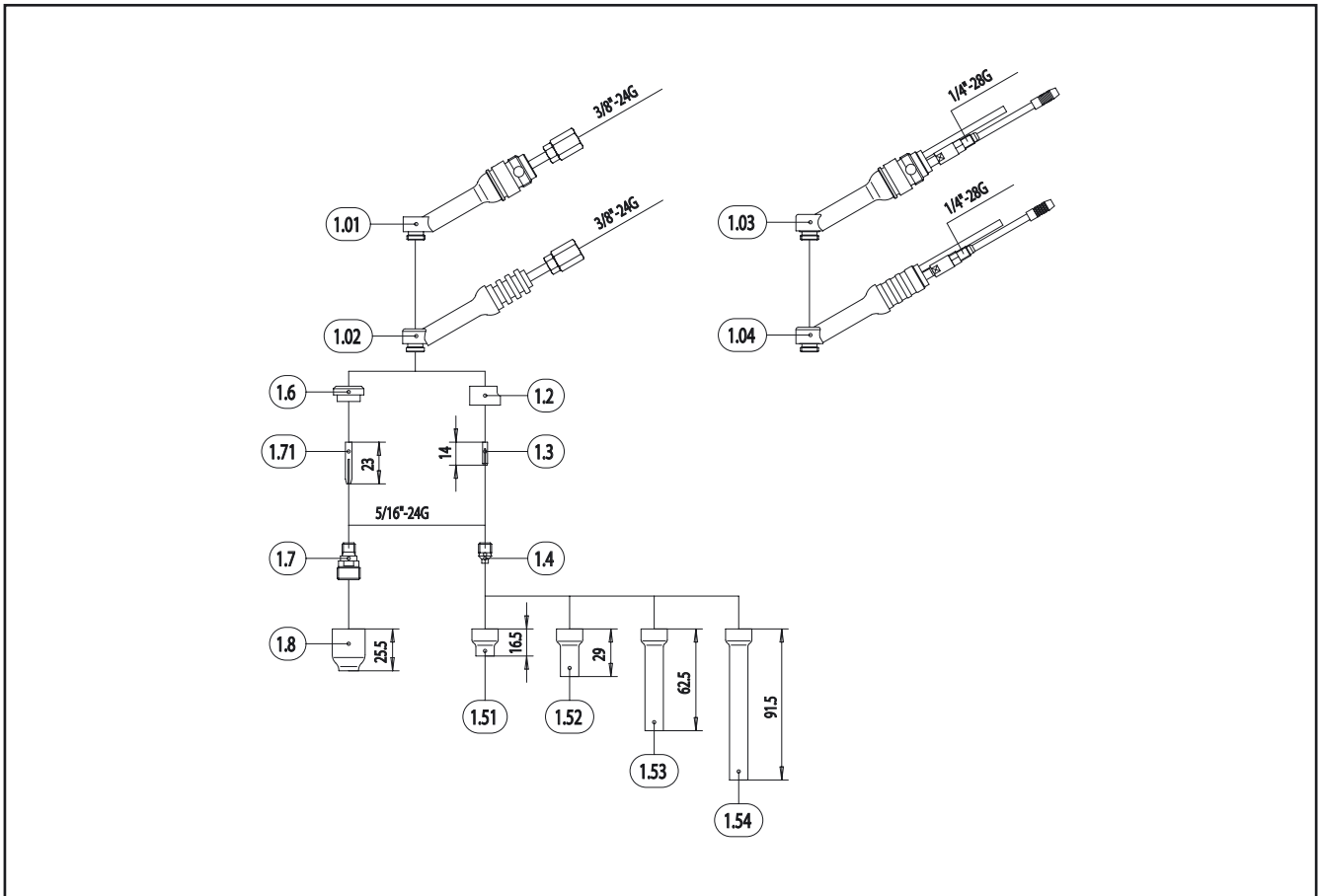
Pos.	Description	Units	Part-No.	Product-group
	<b>Torch body</b>			
1.01	Torch body ABITIG® GRIP 17; 65.0 mm long		712.1020	2002
w/o. fig.	Torch body ABITIG® GRIP 17 F (flexible); 65.0 mm long		712.1030	2002
1.02	Torch body SR / ABITIG® GRIP Little 17; 65.0 mm long		705.0033	2002
w/o. fig.	Torch body SR / ABITIG® GRIP Little 17 F (flexible); 60.0 mm long		703.0009	2002
1.03	Torch body ABITIG® GRIP 18; 69.0 mm long		712.2020	2002
w/o. fig.	Torch body ABITIG® GRIP 18 F (flexible); 69.0 mm long		712.2030	2002
1.04	Torch body ABITIG® GRIP 18 K (short); 59.0 mm long		712.2230	2002
1.05	Torch body ABITIG® GRIP 26; 79.0 mm long		712.4020	2002
w/o. fig.	Torch body ABITIG® GRIP 26 F (flexible); 79.0 mm long		712.4030	2002
1.06	Torch body ABITIG® GRIP 26 K (short); 59.0 mm long		712.4230	2002
1.11	Insulating ring	10 Pcs.	703.0012	2003
w/o. fig.	Shrink hose Ø 19.1 mm	60 m	104.0007	4050
	<b>Wear parts</b>			
1.21	Back cap, long	10 Pcs.	712.1051	2009
1.22	Back cap, short	10 Pcs.	712.1053	2009
1.23	O-Ring 10x1.5	20 Pcs.	165.0097	9010
1.31	Collet for electrode Ø 0.5 mm; 50,0 mm long; (10N21)	10 Pcs.	702.0005	2007
1.31	Collet for electrode Ø 1.0 mm; 50,0 mm long; (10N22)	10 Pcs.	702.0006	2007
1.31	Collet for electrode Ø 1.2 mm; 50,0 mm long	10 Pcs.	702.0007	2007
1.31	Collet for electrode Ø 1.6 mm; 50,0 mm long; (10N23)	10 Pcs.	702.0008	2007
1.31	Collet for electrode Ø 2.0 mm; 50,0 mm long	10 Pcs.	702.0012	2007
1.31	Collet for electrode Ø 2.4 mm; 50,0 mm long; (10N24)	10 Pcs.	702.0009	2007
1.31	Collet for electrode Ø 3.2 mm; 50,0 mm long; (10N25)	10 Pcs.	702.0010	2007
1.31	Collet for electrode Ø 4.0 mm; 50,0 mm long; (54N20)	10 Pcs.	702.0011	2007
1.32	Collet for electrode Ø 0.5 mm; 52,0 mm long; (10N21D)	10 Pcs.	701.0169	2007
1.32	Collet for electrode Ø 1.0 mm; 52,0 mm long; (10N22D)	10 Pcs.	701.0171	2007
1.32	Collet for electrode Ø 1.2 mm; 52,0 mm long	10 Pcs.	701.0170	2007
1.32	Collet for electrode Ø 1.6 mm; 52,0 mm long; (10N23D)	10 Pcs.	701.0172	2007
1.32	Collet for electrode Ø 2.0 mm; 52,0 mm long	10 Pcs.	701.0176	2007
1.32	Collet for electrode Ø 2.4 mm; 52,0 mm long; (10N24D)	10 Pcs.	701.0173	2007
1.32	Collet for electrode Ø 3.2 mm; 52,0 mm long; (10N25D)	10 Pcs.	701.0174	2007
1.32	Collet for electrode Ø 4.0 mm; 52,0 mm long; (54N20D)	10 Pcs.	701.0175	2007
1.33	Collet for electrode Ø 1.0 mm; 29,5 mm long; (10N22S)	10 Pcs.	701.1220	2007
1.33	Collet for electrode Ø 1.6 mm; 29,5 mm long; (10N23S)	10 Pcs.	701.1221	2007
1.33	Collet for electrode Ø 2.0 mm; 29,5 mm long	10 Pcs.	701.1222	2007
1.33	Collet for electrode Ø 2.4 mm; 29,5 mm long; (10N24S)	10 Pcs.	701.1223	2007
1.33	Collet for electrode Ø 3.2 mm; 29,5 mm long; (10N25S)	10 Pcs.	701.1224	2007
1.4	Collet body for electrode Ø 0.5 - 1.2 mm; (10N30)	10 Pcs.	701.0190	2008
1.4	Collet body for electrode Ø 1.6 mm; (10N31)	10 Pcs.	701.0191	2008
1.4	Collet body for electrode Ø 2.0 - 2.4 mm; (10N32)	10 Pcs.	701.0196	2008
1.4	Collet body for electrode Ø 3.2 mm; (10N28)	10 Pcs.	701.0197	2008
1.4	Collet body for electrode Ø 4.0 mm; (406488)	10 Pcs.	701.0198	2008
1.41	Collet body for electrode Ø 1.0 - 3.2 mm	10 Pcs.	701.1218	2008
1.51	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 47.0 mm long; (10N50)	10 Pcs.	701.0107	2004
1.51	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 47.0 mm long; (10N49)	10 Pcs.	701.0108	2004
1.51	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 47.0 mm long; (10N48)	10 Pcs.	701.0109	2004
1.51	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 47.0 mm long; (10N47)	10 Pcs.	701.0110	2004
1.51	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 47.0 mm long; (10N46)	10 Pcs.	701.0111	2004
1.51	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 47.0 mm long; (10N45)	10 Pcs.	701.0113	2004
w/o. fig.	Ceramic gas nozzle; no. 12; Ø 19.5 mm; 50.0 mm long; (10N44)	10 Pcs.	701.0114	2004
1.52	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 76.0 mm long; (10N49L)	10 Pcs.	701.0115	2004
1.52	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 76.0 mm long; (10N48L)	10 Pcs.	701.0116	2004
1.52	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 76.0 mm long; (10N47L)	10 Pcs.	701.0117	2004
1.53	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 48.0 mm long with metal shield; (10N55)		701.0124	2004
1.53	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48.0 mm long with metal shield; (10N54)		701.0126	2004

# TIG Welding Torches ABITIG® GRIP 17 / 18 / 26 – ABITIG® GRIP Little 17

Pos.	Description	Units	Part-No.	Product-group
1.53	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 48.0 mm long with metal shield; (10N53)		701.0118	2004
1.53	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 48.0 mm long with metal shield; (10N52)		701.0120	2004
1.53	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 48.0 mm long with metal shield; (10N51)		701.0122	2004
w/o. fig.	Ceramic spot weld nozzle; no. 8; Ø 12.5 mm; 55.0 mm long with metal shield (10N52P)		701.0129	2004
1.54	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 30.0 mm long; (13N08)	10 Pcs.	701.0281	2004
1.54	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 30.0 mm long; (13N09)	10 Pcs.	701.0282	2004
1.54	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 30.0 mm long; (13N10)	10 Pcs.	701.0283	2004
1.54	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 30.0 mm long; (13N11)	10 Pcs.	701.0284	2004
1.54	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 30.0 mm long; (13N12)	10 Pcs.	701.0285	2004
1.54	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 30.0 mm long; (13N13)	10 Pcs.	701.0286	2004
1.55	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 48.0 mm long; (796F71)	10 Pcs.	701.0289	2004
1.55	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 48.0 mm long; (796F72)	10 Pcs.	701.0290	2004
1.55	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48.0 mm long; (796F73)	10 Pcs.	701.0291	2004
1.56	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 63.0 mm long; (796F75)	10 Pcs.	701.0293	2004
1.56	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 63.0 mm long; (796F76)	10 Pcs.	701.0294	2004
1.57	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 89.0 mm long; (796F79)	10 Pcs.	701.0296	2004
1.60	Insulator	10 Pcs.	701.0199	2003
1.61	Adaptor (54N01)	10 Pcs.	701.0130	2003
1.62	Adaptor (54N63)	5 Pcs.	701.1122	2003
1.63	Insulator (18CG20)	10 Pcs.	701.1219	2003
1.64	Insulator	10 Pcs.	701.1286	2003
1.71	Collet body for electrode with gas lens Ø 0.5 - 1.0 mm; (45V24)	10 Pcs.	701.0201	2016
1.71	Collet body for electrode with gas lens Ø 1.6 mm; (45V25)	10 Pcs.	701.0203	2016
1.71	Collet body for electrode with gas lens Ø 2.0 - 2.4 mm; (45V26)	10 Pcs.	701.0207	2016
1.71	Collet body for electrode with gas lens Ø 3.2 mm; (45V27)	10 Pcs.	701.0209	2016
1.71	Collet body for electrode with gas lens Ø 4.0 mm; (45V28)	10 Pcs.	701.0211	2016
1.72	Collet body for electrode with gas lens Ø 1.6 mm; (45V116)	5 Pcs.	701.1116	2016
1.72	Collet body for electrode with gas lens Ø 2.4 mm; (45V64)	5 Pcs.	701.1117	2016
1.72	Collet body for electrode with gas lens Ø 3.2 mm; (995795)	5 Pcs.	701.1118	2016
1.72	Collet body for electrode with gas lens Ø 4.0 mm; (45V63)	5 Pcs.	701.1208	2016
1.73	Collet body for electrode with gas lens Ø 1.0 mm	10 Pcs.	701.1287	2016
1.73	Collet body for electrode with gas lens Ø 1.6 mm	10 Pcs.	701.1288	2016
1.73	Collet body for electrode with gas lens Ø 2.4 mm	10 Pcs.	701.1289	2016
1.73	Collet body for electrode with gas lens Ø 3.2 mm	10 Pcs.	701.1290	2016
1.81	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 42.0 mm long; (54N18)	10 Pcs.	701.0420	2004
1.81	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 42.0 mm long; (54N17)	10 Pcs.	701.0421	2004
1.81	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 42.0 mm long; (54N16)	10 Pcs.	701.0422	2004
1.81	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 42.0 mm long; (54N15)	10 Pcs.	701.0423	2004
1.81	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 42.0 mm long; (54N14)	10 Pcs.	701.0424	2004
1.81	Ceramic gas nozzle; no. 12; Ø 19.5 mm; 42.0 mm long; (54N19)	10 Pcs.	701.0426	2004
1.82	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 76.0 mm long; (54N17L)	10 Pcs.	701.0427	2004
1.82	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 76.0 mm long; (54N16L)	10 Pcs.	701.0428	2004
1.82	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 76.0 mm long; (54N15L)	10 Pcs.	701.0429	2004
1.83	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48.0 mm long; (57N75)	10 Pcs.	701.1199	2004
1.83	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 48.0 mm long; (57N74)	10 Pcs.	701.1200	2004
1.83	Ceramic gas nozzle; no.10; Ø 16.0 mm; 48,0 mm long (53N88)	10 Pcs.	701.1201	2004
1.83	Ceramic gas nozzle; no.12; Ø 19.5 mm; 48,0 mm long; (53N87)	10 Pcs.	701.1121	2004
1.84	Ceramic gas nozzle; Ø 24.0 mm; 34,0 mm long; (53N89)	10 Pcs.	701.1202	2004
1.85	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 25.5 mm long; (53N58)	10 Pcs.	701.0317	2004
1.85	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 25.5 mm long; (53N59)	10 Pcs.	701.0318	2004
1.85	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 25.5 mm long; (53N60)	10 Pcs.	701.0319	2004
1.85	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 25.5 mm long; (53N61)	10 Pcs.	701.0320	2004



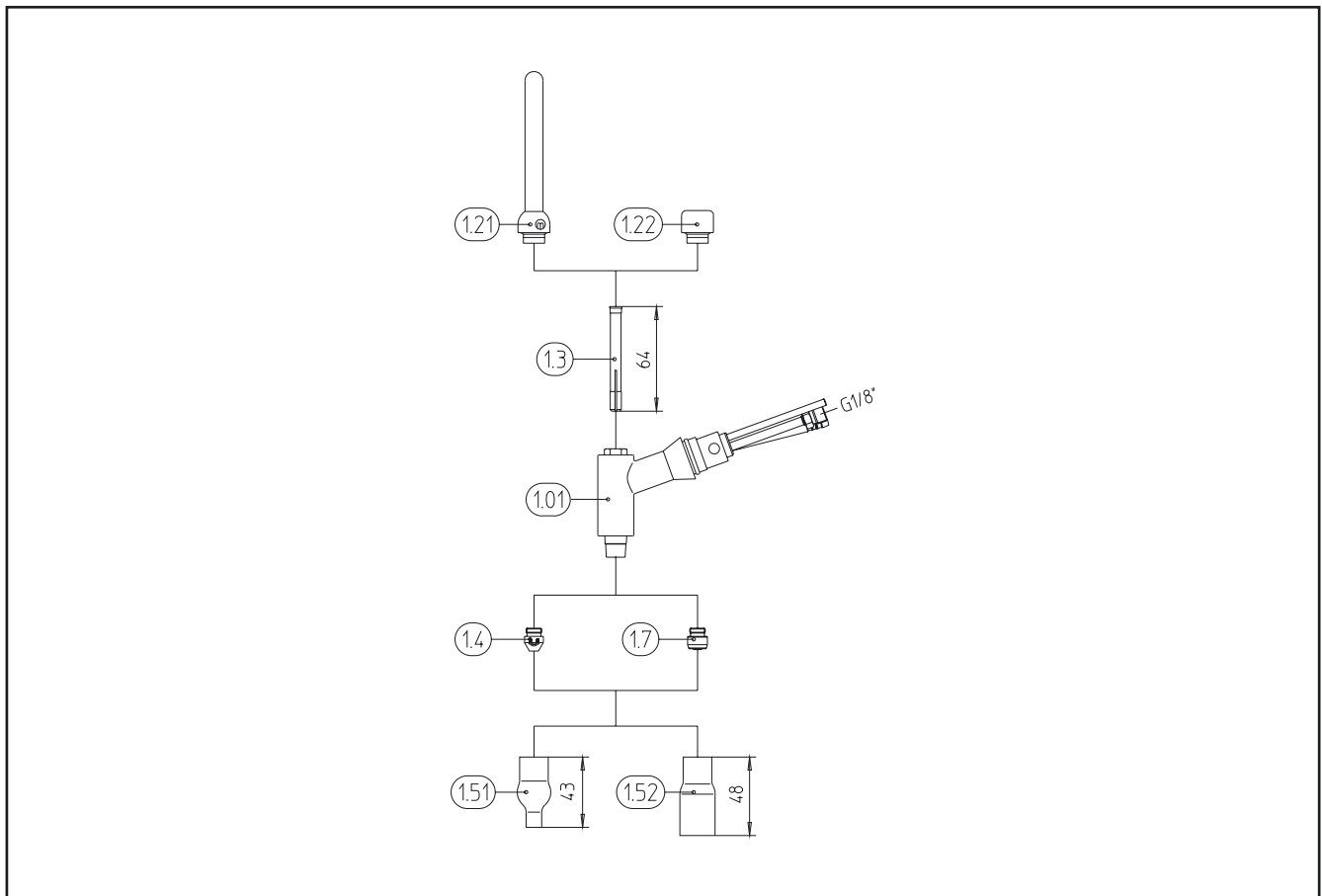
# TIG Welding Torches ABITIG® GRIP 24 G / 24 W – ABITIG® GRIP Little 24 W



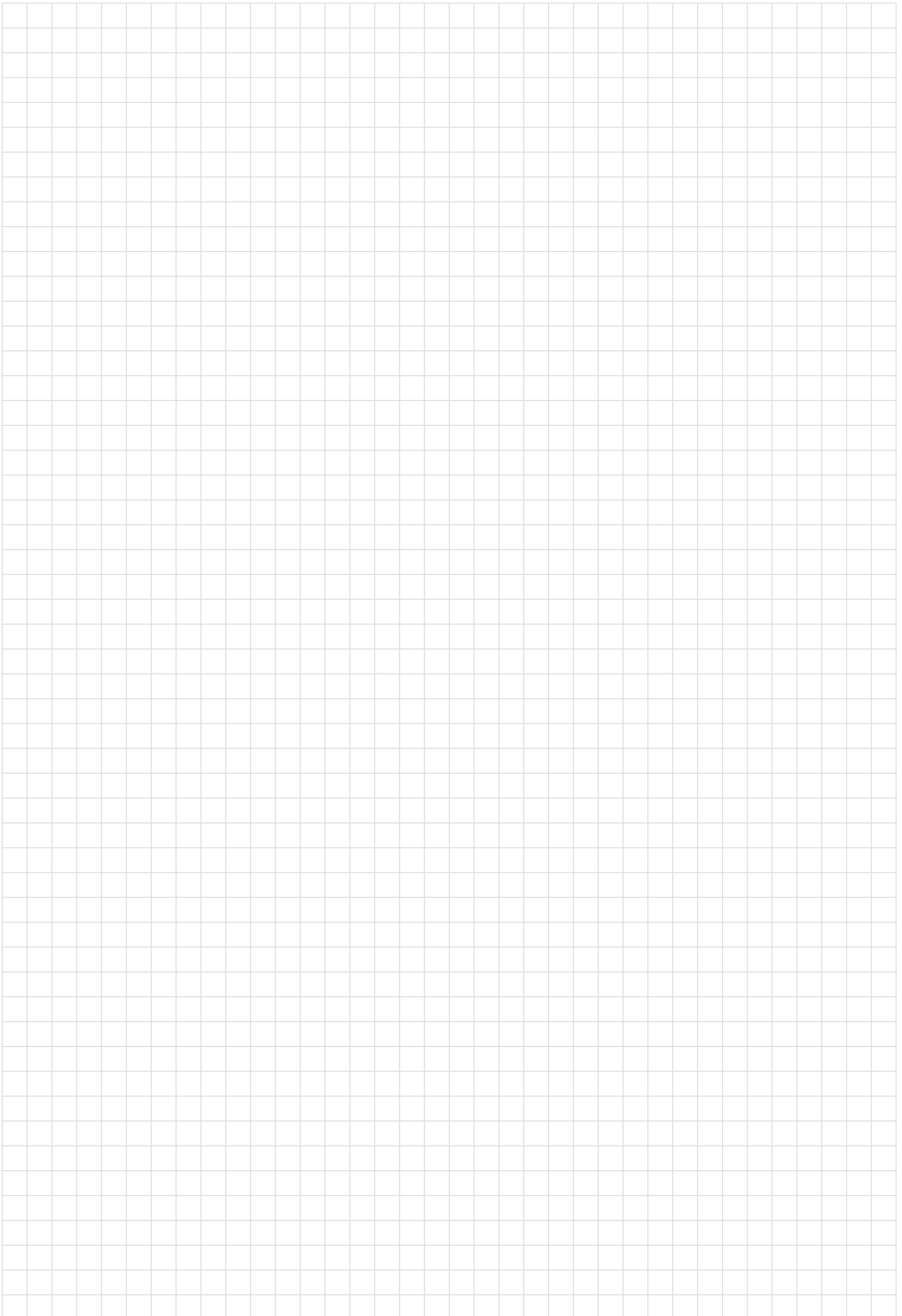
Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.01	Torch body ABITIG® GRIP 24 G; 55,0 mm long		712.7020	2002
1.02	Torch body SR / ABITIG® GRIP Little 24 G; 55.0 mm long		705.0075	2002
1.03	Torch body ABITIG® GRIP 24 W; 55,0 mm long		712.7120	2002
1.04	Torch body SR / ABITIG® GRIP Little 24 W; 55.0 mm long		705.0080	2002
1.2	Insulator (53N22)	10 Pcs.	701.0458	2003
<b>Wear parts</b>				
1.3	Collet for electrode Ø 0.5 mm; 14.0 mm long; (53N15)	10 Pcs.	701.0452	2007
1.3	Collet for electrode Ø 1.0 mm; 14.0 mm long; (53N16)	10 Pcs.	701.0453	2007
1.3	Collet for electrode Ø 1.2 mm; 14.0 mm long	10 Pcs.	701.0455	2007
1.3	Collet for electrode Ø 1.6 mm; 14.0 mm long; (53N14)	10 Pcs.	701.0454	2007
1.3	Collet for electrode Ø 2.0 mm; 14.0 mm long	10 Pcs.	701.0456	2007
1.3	Collet for electrode Ø 2.4 mm; 14.0 mm long; (24C332)	10 Pcs.	701.0457	2007
1.4	Collet body for electrode Ø 0.5 mm; (53N17)	10 Pcs.	701.0479	2008
1.4	Collet body for electrode Ø 1.0 mm; (53N18)	10 Pcs.	701.0480	2008
1.4	Collet body for electrode Ø 1.2 mm	10 Pcs.	701.0483	2008
1.4	Collet body for electrode Ø 1.6 mm; (53N19)	10 Pcs.	701.0481	2008
1.4	Collet body for electrode Ø 2.0 mm	10 Pcs.	701.0484	2008
1.4	Collet body for electrode Ø 2.4 mm; (24CB332)	10 Pcs.	701.0482	2008
1.51	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 16.5 mm long; (53N24)	10 Pcs.	701.0468	2004
1.51	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 16.5 mm long; (53N25)	10 Pcs.	701.0469	2004
1.51	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 16.5 mm long; (53N27)	10 Pcs.	701.0470	2004
1.52	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 29.0 mm long; (53N28)	10 Pcs.	701.0471	2004
1.52	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 29.0 mm long; (53N26)	10 Pcs.	701.0472	2004
1.53	Ceramic gas nozzle; no. 4L; Ø 6.5 mm; 62.5 mm long; (53N24L)	10 Pcs.	701.0473	2004
1.54	Ceramic gas nozzle; no. 5L; Ø 8.0 mm; 91.5 mm long; (53N27L)	10 Pcs.	701.0474	2004
1.6	Insulator (53N66)	10 Pcs.	701.0459	2003
1.7	Collet for electrode Ø 0.5 mm; 23.0 mm long	10 Pcs.	701.0461	2007



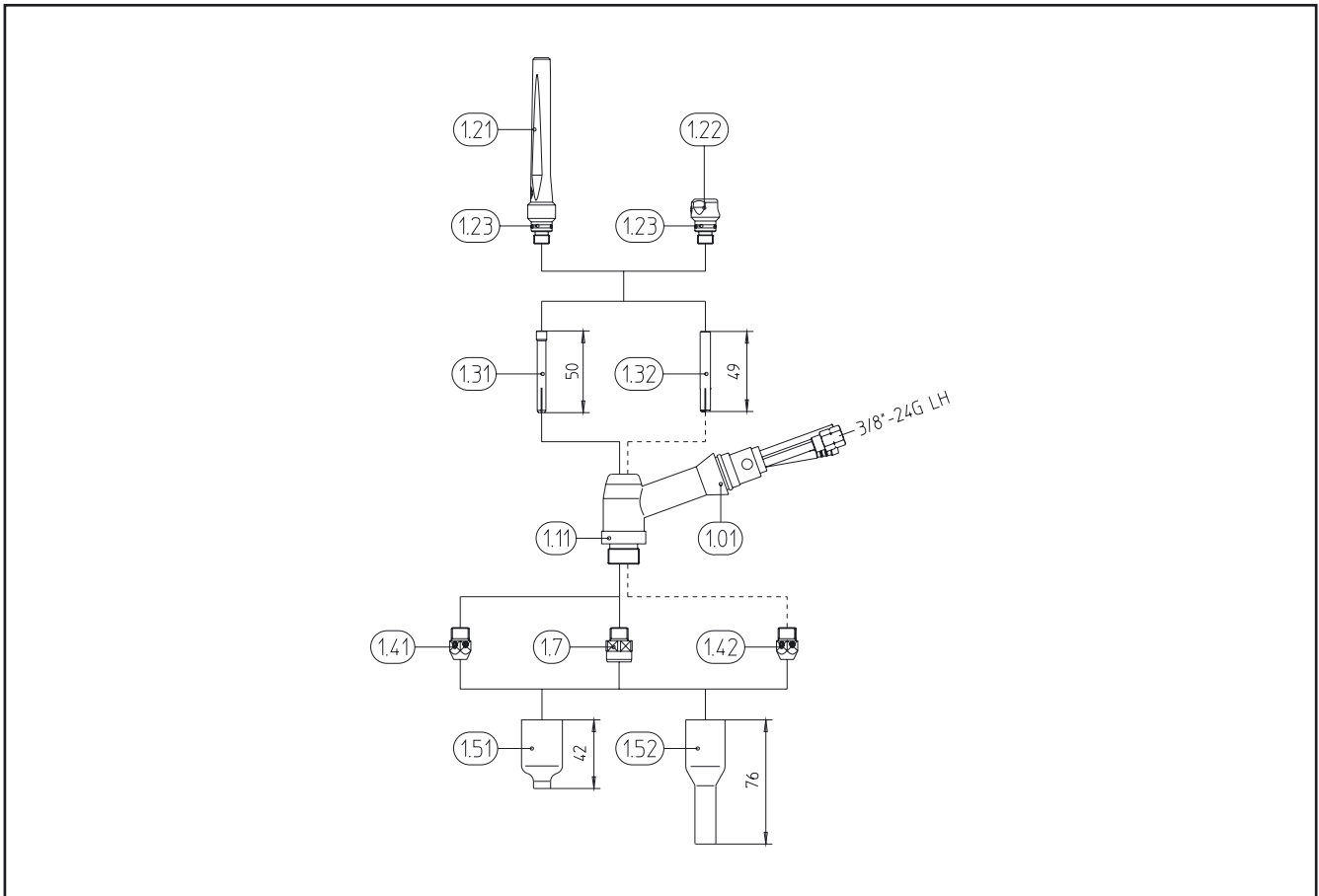
# TIG Welding Torch ABITIG® GRIP 12-1



Pos.	Description	Units	Part-No.	Product-group
	<b>Torch body</b>			
1.01	Torch body ABITIG® GRIP 12-1; 70.0 mm long		712.0020	2002
w/o. fig.	Shrink hose Ø 19.1 mm	60 m	104.0007	4050
	<b>Wear parts</b>			
1.21	Back cap, long		712.0051	2009
1.22	Back cap, short		712.0053	2009
1.3	Collet for electrode Ø 1.6 mm; 64.0 mm long	10 Pcs.	712.0062	2007
1.3	Collet for electrode Ø 2.4 mm; 64.0 mm long	10 Pcs.	712.0063	2007
1.3	Collet for electrode Ø 3.2 mm; 64.0 mm long	10 Pcs.	712.0064	2007
1.3	Collet for electrode Ø 4.0 mm; 64.0 mm long	10 Pcs.	712.0065	2007
1.4	Collet body for electrode Ø 1.6 mm	10 Pcs.	712.0072	2008
1.4	Collet body for electrode Ø 2.4 mm	10 Pcs.	712.0073	2008
1.4	Collet body for electrode Ø 3.2 mm	10 Pcs.	712.0074	2008
1.4	Collet body for electrode Ø 4.0 mm	10 Pcs.	712.0075	2008
1.51	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 43.0 mm long	10 Pcs.	704.0046	2004
1.51	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 43.0 mm long	10 Pcs.	704.0047	2004
1.51	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 43.0 mm long	10 Pcs.	704.0048	2004
1.51	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 43.0 mm long	10 Pcs.	704.0049	2004
1.51	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 43.0 mm long	10 Pcs.	704.0050	2004
1.51	Ceramic gas nozzle; no. 9; Ø 14.5 mm; 43.0 mm long	10 Pcs.	704.0051	2004
1.51	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 48.0 mm long	10 Pcs.	704.0052	2004
1.52	Ceramic gas nozzle; no. 11; Ø 17.5 mm	10 Pcs.	704.0053	2004
1.7	Collet body for electrode with gas lens Ø 1.6 mm		712.0101	2016
1.7	Collet body for electrode with gas lens Ø 2.4 mm		712.0102	2016
1.7	Collet body for electrode with gas lens Ø 3.2 mm		712.0103	2016
1.7	Collet body for electrode with gas lens Ø 4.0 mm		712.0104	2016



# TIG Welding Torch ABITIG® GRIP 18 SC

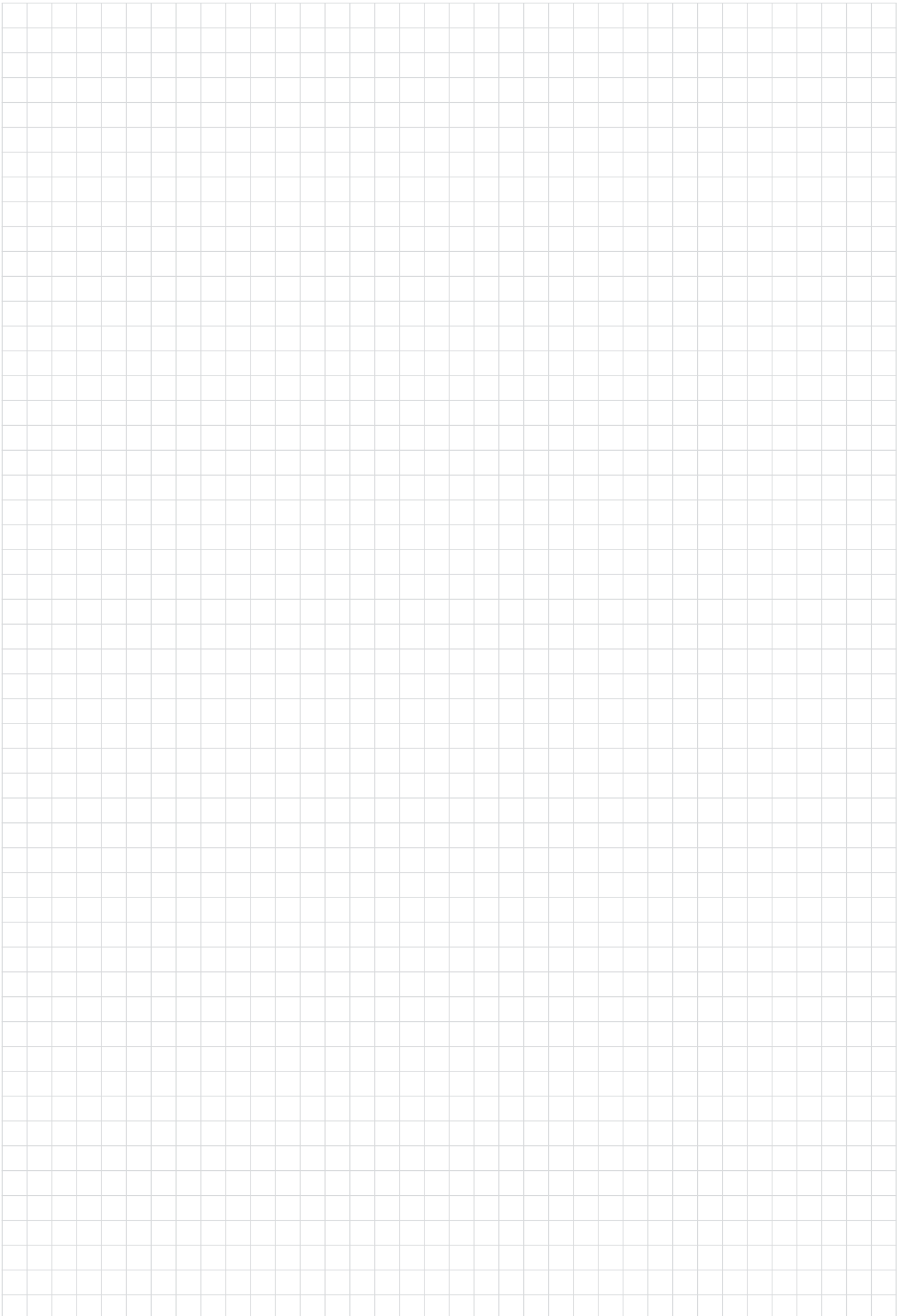


Pos.	Description	Units	Part-No.	Product-group
	<b>Torch body</b>			
1.01	Torch body ABITIG® GRIP 18 SC; 75.0 mm long		712.6020	2002
w/o. fig.	Shrink hose Ø 19.1 mm	60 m	104.0007	4050
1.11	Insulating ring	5 Pcs.	712.6043	2003
	<b>Wear parts</b>			
1.21	Back cap, long	10 Pcs.	712.1051	2009
1.22	Back cap, short	10 Pcs.	712.1053	2009
1.23	O-Ring 10x1.5	20 Pcs.	165.0097	9010
1.31	Collet for electrode Ø 0.5 mm; 50,0 mm long; (10N21)	10 Pcs.	702.0005	2007
1.31	Collet for electrode Ø 1.0 mm; 50,0 mm long; (10N22)	10 Pcs.	702.0006	2007
1.31	Collet for electrode Ø 1.6 mm; 50,0 mm long; (10N23)	10 Pcs.	702.0008	2007
1.31	Collet for electrode Ø 2.4 mm; 50,0 mm long; (10N24)	10 Pcs.	702.0009	2007
1.31	Collet for electrode Ø 3.2 mm; 50,0 mm long; (10N25)	10 Pcs.	702.0010	2007
1.32	Collet for electrode HL Ø 3.2 mm; 49,0 mm long; (10N25HD)	10 Pcs.	712.6064	2007
1.32	Collet for electrode HL Ø 4.0 mm; 49,0 mm long; (54N20HD)	10 Pcs.	712.6065	2007
1.32	Collet for electrode HL Ø 4.8 mm; 49,0 mm long; (18C36)	10 Pcs.	712.6066	2007
1.41	Collet body for electrode Ø 0.5 - 3.2 mm; (NCB-53)		712.6074	2008
1.42	Collet body for electrode HL Ø 3.2 - 4.8 mm; (NCB-36)		712.6076	2008
1.51	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 42,0 mm long; (54N18)	10 Pcs.	701.0420	2004
1.51	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 42,0 mm long; (54N17)	10 Pcs.	701.0421	2004
1.51	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 42,0 mm long; (54N16)	10 Pcs.	701.0422	2004
1.51	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 42,0 mm long; (54N15)	10 Pcs.	701.0423	2004
1.51	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 42,0 mm long; (54N14)	10 Pcs.	701.0424	2004
1.51	Ceramic gas nozzle; no. 12; Ø 19.5 mm; 42,0 mm long; (54N19)	10 Pcs.	701.0426	2004
1.52	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 76,0 mm long; (54N17L)	10 Pcs.	701.0427	2004
1.52	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 76,0 mm long; (54N16L)	10 Pcs.	701.0428	2004
1.52	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 76,0 mm long; (54N15L)	10 Pcs.	701.0429	2004
1.7	Collet body for electrode with gas lens Ø 0.5 mm; (18GL02)		712.6099	2016





## Notes





## TIG Welding Torches

### ABITIG® GRIP

#### air and liquid cooled

“For highest operational performance”

The ABITIG® GRIP line “ABICOR BINZEL-Style”, air and liquid cooled, offer leading edge performance in a comfortable and light weight package. The cooling system guarantees long service life and enables the use of smaller tungsten electrodes through optimised heat dissipation.

The reduction in the quantity of consumables to only three components (back cap, electrode holder / gas diffuser and threaded gas nozzle) simplifies use and helps reduce stocking costs. The innovative torch design prevents the heat from the gas nozzle reaching the torch body. This protects the torch, increases service life and further reduces operating costs.

The intelligent ABITIG® GRIP handle offers increased comfort due to the integration of numerous switching and control functions. Furthermore it is well protected against high frequency (HF) flashover.

- One ergonomic handle with “GRIP” for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for all available TIG welding power sources
- Reduced storage costs with only three consumable parts



Technical data  
(EN 60 974-7)

#### TIG Welding Torches “ABITIG® GRIP” (air cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
ABITIG® GRIP 150 / F	150	105	35	1.0 - 2.4
ABITIG® GRIP 200 / F / K	200	140	35	1.6 - 3.2

F=Flexible. K=Short. Subject to change without notice.

#### TIG Welding Torches “ABITIG® GRIP” (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
ABITIG® GRIP 260 W	260	185	100	1.0 - 3.2
ABITIG® GRIP 450 W / K	400	280	100	1.6 - 4.8
ABITIG® GRIP 450 W SC	450	320	100	1.6 - 4.8

K=Short. Subject to change without notice.





## TIG Welding Torches

### ABITIG® GRIP Little

#### air and liquid cooled

#### “Maximum flexibility with no compromises”

The welding torch line ABITIG® GRIP Little – particularly suited to those everyday, less accessible welding jobs. Maximum flexibility with no compromises.

The torches of various ratings, both air and liquid cooled, are combined with a standardized ergonomic handle with “GRIP” and optimised cable assembly management, into which standard switching and control functions can be integrated.

In addition the flexible cable assemblies are available with modular and robust machine-side connections.

- One ergonomic handle with “GRIP” for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle
- Excellent protection against high frequency flashover
- Light and flexible cable assemblies (High-Flex-Leather) with modular machine-side connections for all available TIG welding power sources
- Air cooled up to 140 A – at 35% duty cycle
- Liquid cooled up to 240 A – at 100% duty cycle

#### Technical data (EN 60 974-7)

#### TIG Welding Torches “ABITIG® GRIP Little” (air cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
<b>ABITIG® GRIP Little 150 / F</b>	110	80	35	0.5 - 1.6

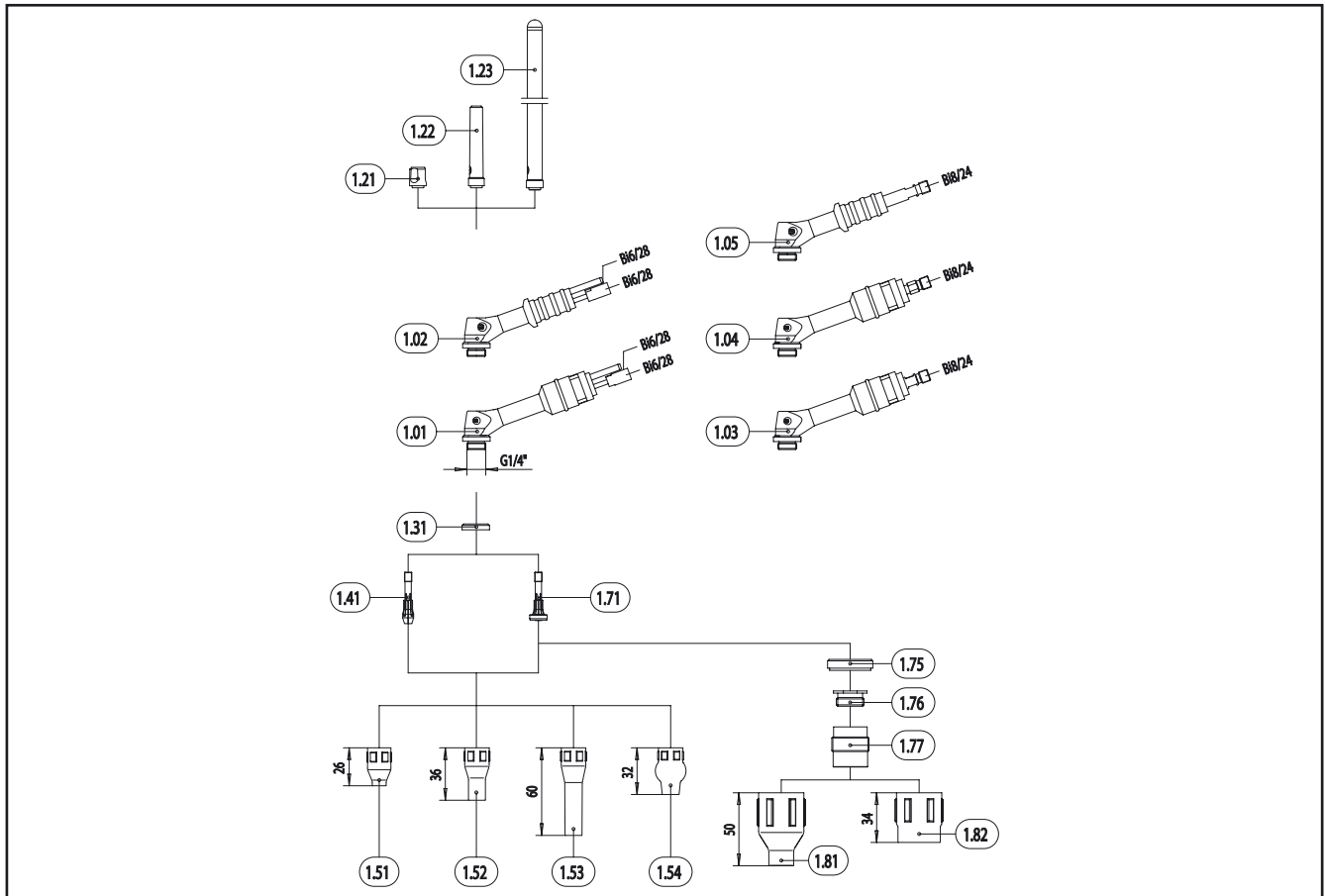
F=Flexible. Subject to change without notice.

#### TIG Welding Torches “ABITIG® GRIP Little” (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
<b>ABITIG® GRIP Little 260 W</b>	220	150	100	0.5 - 3.2

Subject to change without notice.

# TIG Welding Torches ABITIG® GRIP 150 / 260 W – ABITIG® GRIP Little 150 / 260 W

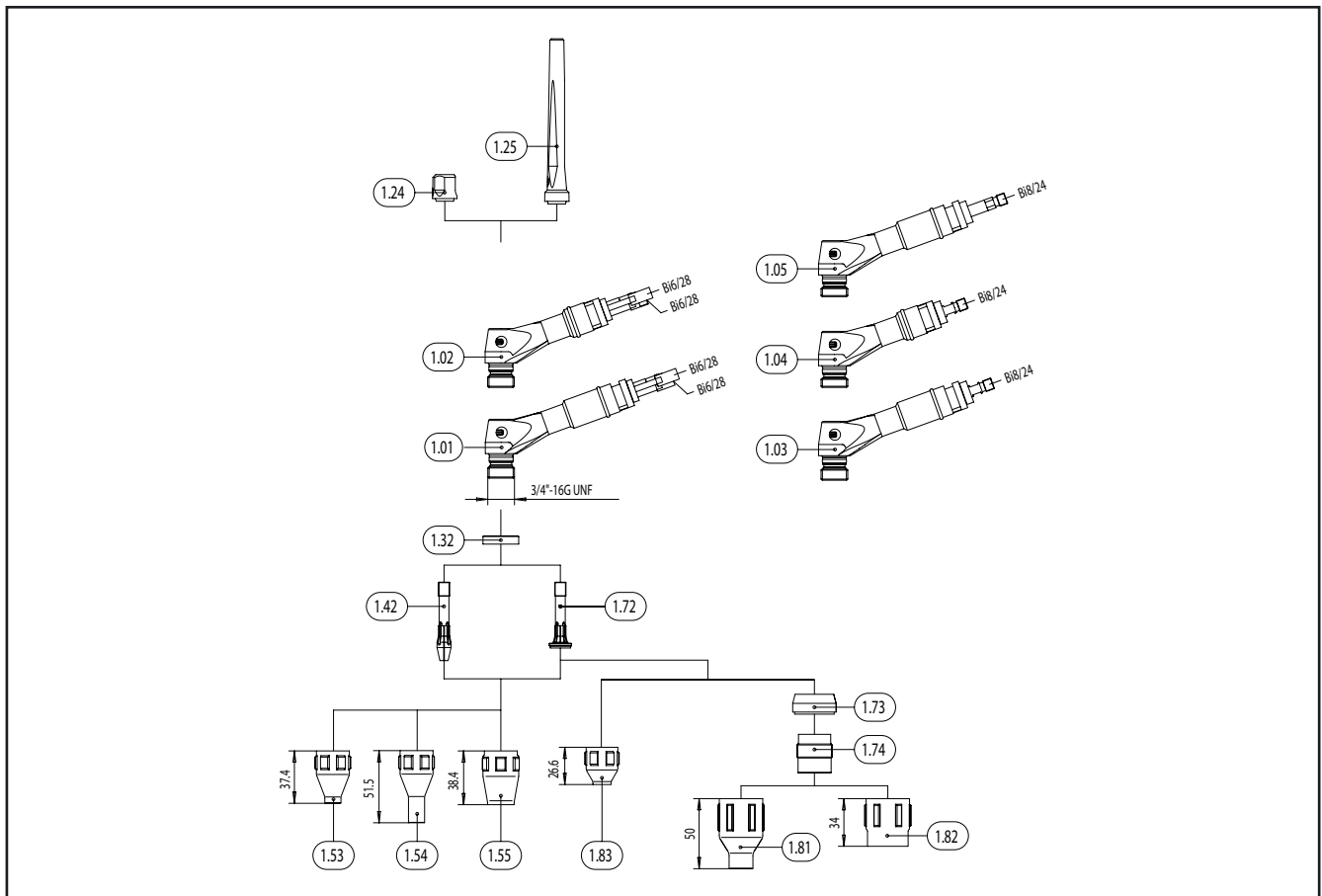


Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.01	Torch body ABITIG® GRIP 260 W; 60.0 mm long		777.0010	2522
1.02	Torch body ABITIG® GRIP Little 260 W; 46.0 mm long		772.0010.1	2522
1.03	Torch body ABITIG® GRIP 150; 60.0 mm long		776.0010	2522
1.04	Torch body ABITIG® GRIP 150 F (flexible); 60.0 mm long		776.0130	2522
1.05	Torch body ABITIG® GRIP Little 150; 46.0 mm long		770.0010.1	2522
w/o. fig.	Torch body ABITIG® GRIP 150 Little (flexible); 46.0 mm long		770.0130.1	2522
<b>Wear parts</b>				
1.21	Back cap, short		776.0053	2545
1.22	Back cap, medium		771.0051	2545
1.23	Back cap, long		776.0051	2545
1.31	Insulator	10 Pcs.	776.1043	2555
1.41	Electrode holder for electrode WE Ø 1.0 mm	5 Pcs.	776.0061	2548
1.41	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	776.0062	2548
1.41	Electrode holder for electrode WE Ø 2.0 mm	5 Pcs.	776.0067	2548
1.41	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	776.0063	2548
1.41	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	776.0064	2548
1.51	Ceramic gas nozzle 26 mm; ND 6.5 mm	10 Pcs.	777.0081	2541
1.51	Ceramic gas nozzle 26 mm; ND 8.0 mm	10 Pcs.	777.0082	2541
1.51	Ceramic gas nozzle 26 mm; ND 9.5 mm	10 Pcs.	777.0083	2541
1.51	Ceramic gas nozzle 26 mm; ND 11.0 mm	10 Pcs.	777.0084	2541
1.52	Ceramic gas nozzle 36 mm; ND 6.5 mm	10 Pcs.	777.2171	2541
1.52	Ceramic gas nozzle 36 mm; ND 8.0 mm	10 Pcs.	777.2172	2541
1.52	Ceramic gas nozzle 36 mm; ND 9.5 mm	10 Pcs.	777.2173	2541
1.52	Ceramic gas nozzle 36 mm; ND 11.0 mm	10 Pcs.	777.2174	2541
1.53	Ceramic gas nozzle 60 mm; ND 6.5 mm	10 Pcs.	777.2175	2541
1.53	Ceramic gas nozzle 60 mm; ND 8.0 mm	10 Pcs.	777.2176	2541
1.54	Ceramic gas nozzle 32 mm; ND 6.5 mm	10 Pcs.	770.0081.10	2541

## TIG Welding Torches ABITIG® GRIP 150 / 260 W – ABITIG® GRIP Little 150 / 260 W

Pos.	Description	Units	Part-No.	Product-group
1.54	Ceramic gas nozzle 32 mm; ND 8.0 mm	10 Pcs.	770.0082.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 9.5 mm	10 Pcs.	770.0083.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 11.0 mm	10 Pcs.	770.0084.10	2541
1.71	Gas diffuser for electrode WE-Ø 1.0 mm		776.0171	2548
1.71	Gas diffuser for electrode WE-Ø 1.6 mm		776.0172	2548
1.71	Gas diffuser for electrode WE-Ø 2.0 mm		776.0177	2548
1.71	Gas diffuser for electrode WE-Ø 2.4 mm		776.0173	2548
1.71	Gas diffuser for electrode WE-Ø 3.2 mm		776.0174	2548
1.75	Insulator for gas diffuser 4		776.0443	2555
1.76	Adaptor ring		776.0441	2555
1.77	Gas diffuser 4 for electrode WE-Ø 1.6 mm		775.0122	2548
1.77	Gas diffuser 4 for electrode WE-Ø 2.4 mm		775.0123	2548
1.77	Gas diffuser 4 for electrode WE-Ø 3.2 mm		775.0124	2548
1.81	Ceramic gas nozzle 50 mm; ND 12.5 mm	10 Pcs.	778.1183	2541
1.81	Ceramic gas nozzle 50 mm; ND 16.0 mm	10 Pcs.	778.1184	2541
1.81	Ceramic gas nozzle 50 mm; ND 19.5 mm	10 Pcs.	778.1188	2541
1.82	Ceramic gas nozzle 34 mm; ND 24.0 mm	10 Pcs.	778.1189	2541

# TIG Welding Torches ABITIG® GRIP 200 / 450 W / 450 W SC



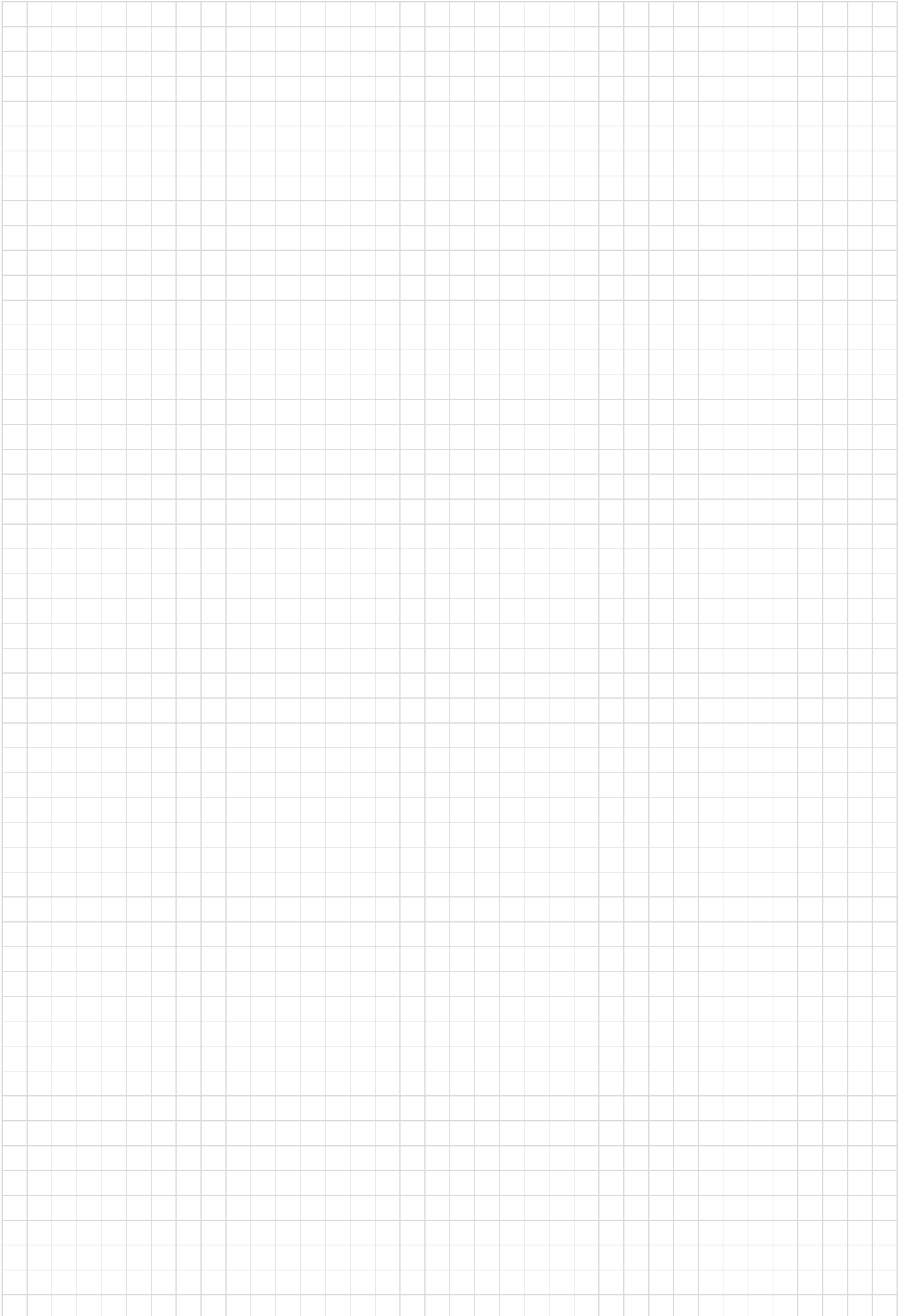
Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.01	Torch body ABITIG® GRIP 450 W; 80.0 mm long		775.0010	2522
1.02	Torch body ABITIG® GRIP 450 W K (short); 60.0 mm long		775.0230	2522
1.03	Torch body ABITIG® GRIP 200; 80.0 mm long		774.0010	2522
1.04	Torch body ABITIG® GRIP 200 K (short); 60.0 mm long		774.0230	2522
1.05	Torch body ABITIG® GRIP 200 F (flexible); 80.0 mm long		774.0130	2522
<b>Wear parts</b>				
1.24	Back cap, short		773.0053	2545
1.25	Back cap, long		773.0051	2545
1.32	Insulator		775.1043	2555
1.42	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	775.0062	2548
1.42	Electrode holder for electrode WE Ø 2.0 mm	5 Pcs.	775.0067	2548
1.42	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	775.0063	2548
1.42	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	775.0064	2548
1.42	Electrode holder for electrode WE Ø 4.0 mm	5 Pcs.	775.0065	2548
1.42	Electrode holder for electrode WE Ø 4.8 mm	5 Pcs.	775.0066	2548
1.53	Ceramic gas nozzle 37.4 mm; ND 7.5 mm	10 Pcs.	775.0081	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 10.5 mm	10 Pcs.	775.0082	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 13.0 mm	10 Pcs.	775.0083	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 15.0 mm	10 Pcs.	775.0084	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 7.5 mm	10 Pcs.	775.2171	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 10.0 mm	10 Pcs.	775.2172	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 13.0 mm	10 Pcs.	775.2173	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 16.0 mm	10 Pcs.	775.2174	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 15.0 mm (reinforced)	10 Pcs.	775.0184	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 13.0 mm (reinforced)	10 Pcs.	775.0183	2541
1.72	Gas diffuser for electrode WE-Ø 1.6 mm		773.0172	2548
1.72	Gas diffuser for electrode WE-Ø 2.0 mm		773.0177	2548



## TIG Welding Torches ABITIG® GRIP 200 / 450 W / 450 W SC

Pos.	Description	Units	Part-No.	Product-group
1.72	Gas diffuser for electrode WE-Ø 2.4 mm		773.0173	2548
1.72	Gas diffuser for electrode WE-Ø 3.2 mm		773.0174	2548
1.72	Gas diffuser for electrode WE-Ø 4.0 mm		773.0175	2548
1.72	Gas diffuser for electrode WE-Ø 4.8 mm		773.0176	2548
1.73	Insulator for gas diffusor 4		775.1143	2555
1.74	Gas diffuser 4 for electrode WE-Ø 1.6 mm		775.0122	2548
1.74	Gas diffuser 4 for electrode WE-Ø 2.4 mm		775.0123	2548
1.74	Gas diffuser 4 for electrode WE-Ø 3.2 mm		775.0124	2548
1.74	Gas diffuser 4 for electrode WE-Ø 4.0 mm		775.0125	2548
1.74	Gas diffuser 4 for electrode WE-Ø 4.8 mm		775.0126	2548
1.81	Ceramic gas nozzle 50 mm; ND 12.5 mm	10 Pcs.	778.1183	2541
1.81	Ceramic gas nozzle 50 mm; ND 16.0 mm	10 Pcs.	778.1184	2541
1.81	Ceramic gas nozzle 50 mm; ND 19.5 mm	10 Pcs.	778.1188	2541
1.82	Ceramic gas nozzle 34 mm; ND 24.0 mm	10 Pcs.	778.1189	2541
1.83	Ceramic gas nozzle 26.6 mm; ND 10.0 mm	10 Pcs.	775.0152	2541
1.83	Ceramic gas nozzle 26.6 mm; ND 13.0 mm	10 Pcs.	775.0153	2541

## Notes





## Component kits

### **ABITIG® GRIP and ABITIG® GRIP Little**

- **Component kit "Standard" for  
ABITIG® GRIP 9 / 17 / 18 / 18 SC / 20 / 26 and 12-1  
ABITIG® GRIP Little 9 / 17 and 20**  
consisting of: Back cap long, collet, collet body and  
gas nozzle ceramic
- **Component kit "Gas lens" for  
ABITIG® GRIP 9 / 17 / 18 / 18 SC / 20 / 26 and 12-1  
ABITIG® GRIP Little 9 / 17 and 20**  
consisting of: Back cap long, collet, collet body with gas lens  
and gas nozzle ceramic
- **Component kit "Electrode holder" for  
ABITIG® GRIP 150 and 260 W  
ABITIG® GRIP Little 150 and 260 W**  
consisting of: Back cap middle, electrode holder and  
gas nozzle ceramic
- **Component kit "Gas diffuser" for  
ABITIG® GRIP 150 and 260 W  
ABITIG® GRIP Little 150 and 260 W**  
consisting of: Back cap middle, gas diffuser and  
gas nozzle ceramic
- **Component kit "Electrode holder" for  
ABITIG® GRIP 200, 450 W and 450 W SC**  
consisting of: Back cap long, electrode holder and  
gas nozzle ceramic
- **Component kit "Gas diffuser" for  
ABITIG® GRIP 200, 450 W and 450 W SC**  
consisting of: Back cap long, gas diffuser and  
gas nozzle ceramic

## Component kits

Pos.	Description	Units	Part-No.	Product-group
	<b>Component kit ABITIG® 9 / 20</b>			
w/o. fig.	Component kit for electrode WE-Ø 1.6		712.3151	2005
	<b>Component kit gas lens ABITIG® 9 / 20</b>			
w/o. fig.	Component kit for electrode gas lens WE-Ø 1.6		712.3191	2005
	<b>Component kit ABITIG® 17 / 18 / 26</b>			
w/o. fig.	Component kit for electrode WE-Ø 1.6		712.2151	2005
w/o. fig.	Component kit for electrode WE-Ø 2.4		712.2152	2005
w/o. fig.	Component kit for electrode WE-Ø 3.2		712.2153	2005
	<b>Component kit gas lens ABITIG® 17 / 18 / 26</b>			
w/o. fig.	Component kit for electrode gas lens WE-Ø 1.6		712.2191	2005
w/o. fig.	Component kit for electrode gas lens WE-Ø 2.4		712.2192	2005
w/o. fig.	Component kit for electrode gas lens WE-Ø 3.2		712.2193	2005
	<b>Component kit ABITIG® 12-1</b>			
w/o. fig.	Component kit for electrode WE-Ø 2.4		712.0152	2005
w/o. fig.	Component kit for electrode WE-Ø 3.2		712.0153	2005
	<b>Component kit gas lens ABITIG® 12-1</b>			
w/o. fig.	Component kit for electrode gas lens WE-Ø 2.4		712.0192	2005
w/o. fig.	Component kit for electrode gas lens WE-Ø 2.4		712.0192	2005
	<b>Component kit ABITIG® 18 SC</b>			
w/o. fig.	Component kit for electrode WE-Ø 2.4		712.6152	2005
w/o. fig.	Component kit for electrode HL WE-Ø 3.2		712.6153	2005
	<b>Component kit gas lens ABITIG® 18 SC</b>			
w/o. fig.	Component kit for electrode gas lens WE-Ø 2.4		712.6192	2005
w/o. fig.	Component kit for electrode HL gas lens WE-Ø 3.2		712.6193	2005
	<b>Component kit ABITIG® 24 G / 24 W</b>			
w/o. fig.	Component kit for electrode WE-Ø 1.6		705.1519	2005
w/o. fig.	Component kit for electrode WE-Ø 2.4		705.1520	2005
	<b>Component kit ABITIG® 150 / 260 W</b>			
w/o. fig.	Component kit standard for electrode WE-Ø 1.6		777.0182	2550
w/o. fig.	Component kit standard for electrode WE-Ø 2.4		777.0183	2550
w/o. fig.	Component kit standard for electrode WE-Ø 3.2		777.0184	2550
	<b>Component kit gas diffuser ABITIG® 150 / 260 W</b>			
w/o. fig.	Component kit gas diffuser for electrode WE-Ø 1.6		777.0192	2550
w/o. fig.	Component kit gas diffuser for electrode WE-Ø 2.4		777.0193	2550
w/o. fig.	Component kit gas diffuser for electrode WE-Ø 3.2		777.0194	2550
	<b>Component kit ABITIG® 200 / 450 W / 450 W SC</b>			
w/o. fig.	Component kit standard for electrode WE-Ø 2.4		774.0183	2550
w/o. fig.	Component kit standard for electrode WE-Ø 3.2		774.0184	2550
w/o. fig.	Component kit standard for electrode WE-Ø 4.8		774.0186	2550
	<b>Component kit gas diffuser ABITIG® 200 / 450 W / 450 W SC</b>			
w/o. fig.	Component kit gas diffuser for electrode WE-Ø 2.4		774.0193	2550
w/o. fig.	Component kit gas diffuser for electrode WE-Ø 3.2		774.0194	2550
w/o. fig.	Component kit gas diffuser for electrode WE-Ø 4.8		774.0196	2550



## Handles and control modules **BIS** "ABITIG® GRIP and ABITIG® GRIP Little – the intelligent handle system for increased comfort"

- Light weight, rugged material and construction
- Optionally with different control elements for nearly all TIG Welding power sources
- Enclosed switching elements for high electrical and mechanical duty
- Excellent high frequency protection
- Applicable for right and left handers
- Short ball joint for optimum movement radius and ideal handling



# Handles and control modules

## 1 Handle ABITIG® GRIP Little

- 1.1  **BIS-51**  
ED = Single push-button
- 1.2  **BIS-52**  
DD = Double push-button / Button short  
(Standard under DD)
- 1.3  **BIS-65**  
UP / DOWN  
( device-dependent)



appropriate handle  
Part-No.: 180.0131.1

## 2 Handle ABITIG® GRIP

- 2.1  **BIS-51**  
ED = Single push-button
- 2.2  **BIS-52**  
DD = Double push-button / Button long
- 2.3  **BIS-54 / -64 / -74 / -84 / -94**  
DDP = Double push-button / Poti **xx** KΩ  
(see page 4.3)
- 2.4  **BIS-59**  
EDP = Single push-button / Poti 10 KΩ  
(compatible with Migatronic)
- 2.5  **BIS-60**  
DD = Double push-button / Button long  
for high switching current up to 2 A  
(e. g. Dalex, Messer-Lincoln)
- 2.6  **BIS-65**  
UD = UP / DOWN  
( device-dependent)
- 2.7  **BIS-67**  
DD = Double push-button / Compensator
- 2.8  **BIS-95**  
UD = UP / DOWN  
(compatible with Lorch)



appropriate handle  
Part-No.: 180.0130.1

### Abbreviations for switch functions:

- ED Single push-button
- DD Double push-button
- UD UP / DOWN (two switches)
- EDP\* Single push-button with Potentiometer 10 kΩ,  
other factors on request  
(e.g. 1.0 kΩ, 2.2 kΩ, 4.7 kΩ, 47 kΩ)
- DDP\* Double push-button with Potentiometer 10 kΩ,  
other factors on request  
(e.g. 1.0 kΩ, 2.2 kΩ, 4.7 kΩ, 47 kΩ)

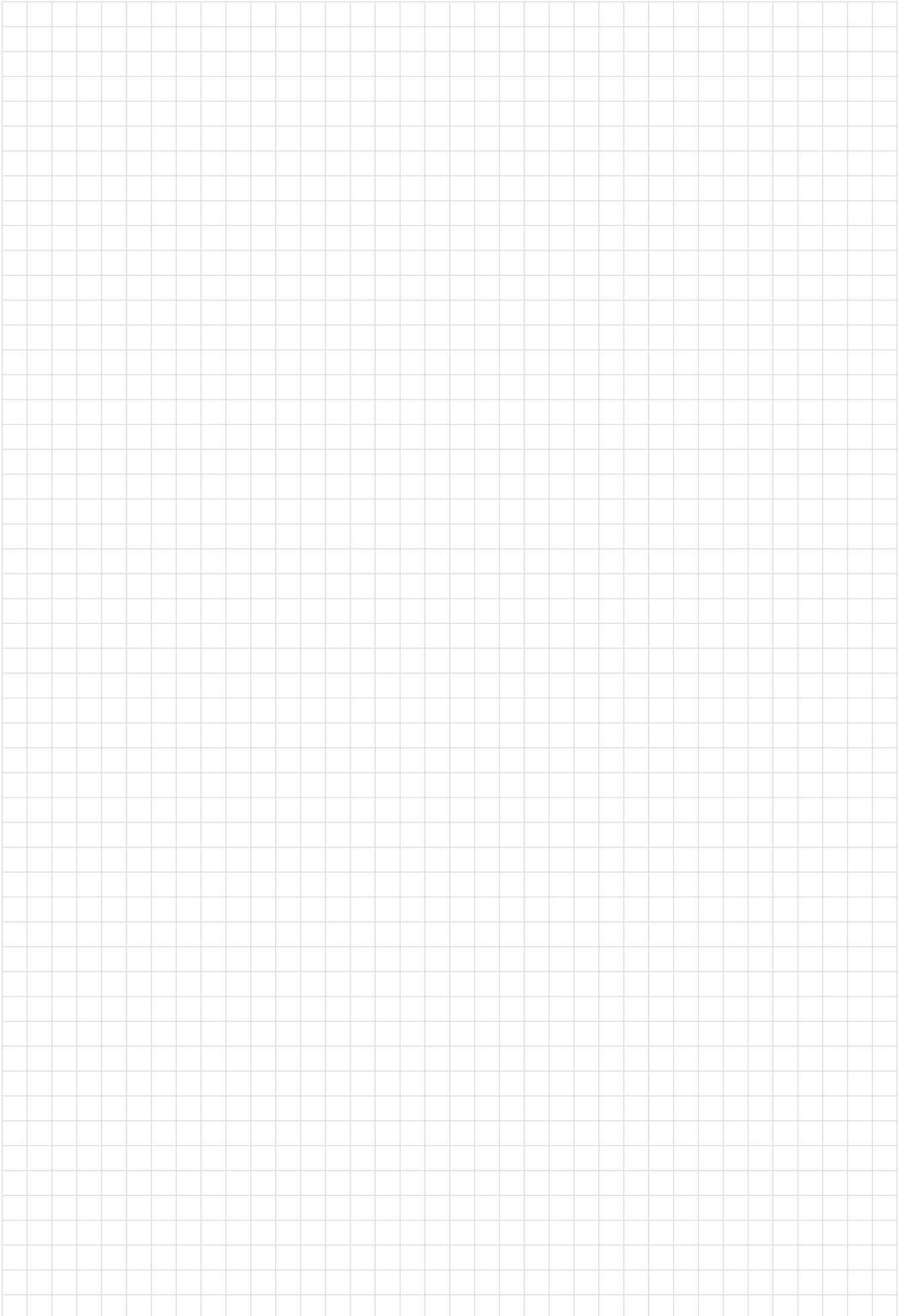
\*In the case of potentiometer regulation in the handle, an HF-filter is essential if the potentiometer cable runs through the remote control connector and is started with high voltage pulses. If there is no HF-filter, the HF pulses may damage the control electronics.

Please order the HF-control cable filter DGF 3 by using the Part-No. 184.0162.

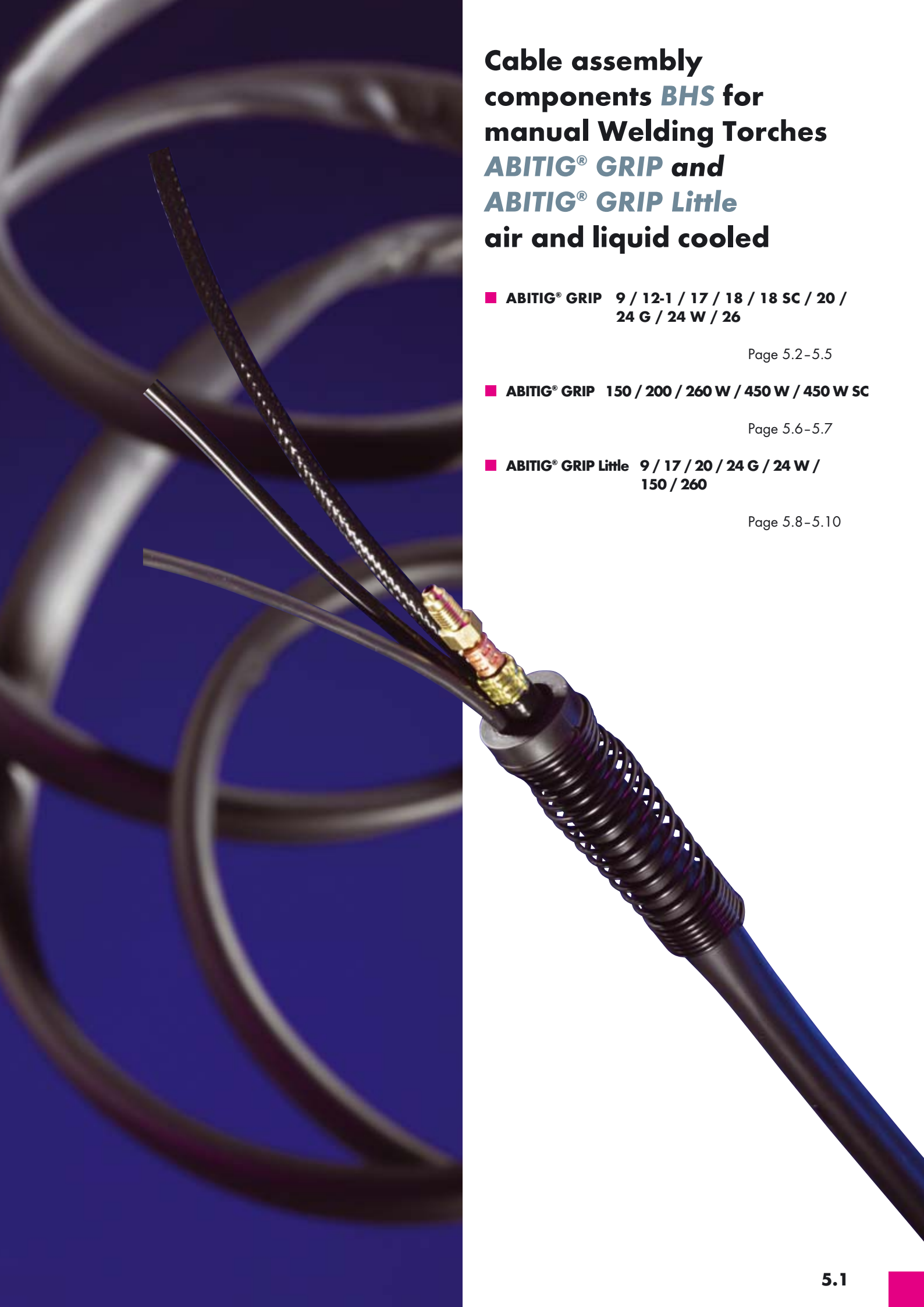
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## Notes







## Cable assembly components **BHS** for manual Welding Torches **ABITIG® GRIP** and **ABITIG® GRIP Little** air and liquid cooled

■ **ABITIG® GRIP** 9 / 12-1 / 17 / 18 / 18 SC / 20 / 24 G / 24 W / 26

Page 5.2-5.5

■ **ABITIG® GRIP** 150 / 200 / 260 W / 450 W / 450 W SC

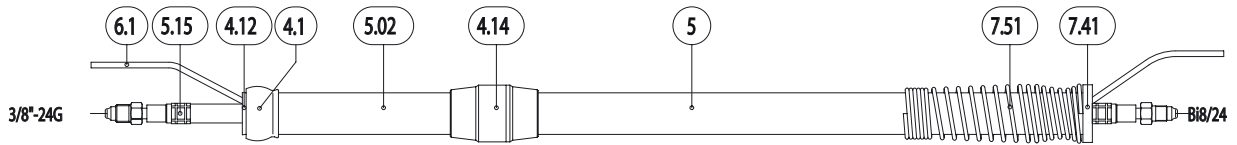
Page 5.6-5.7

■ **ABITIG® GRIP Little** 9 / 17 / 20 / 24 G / 24 W / 150 / 260

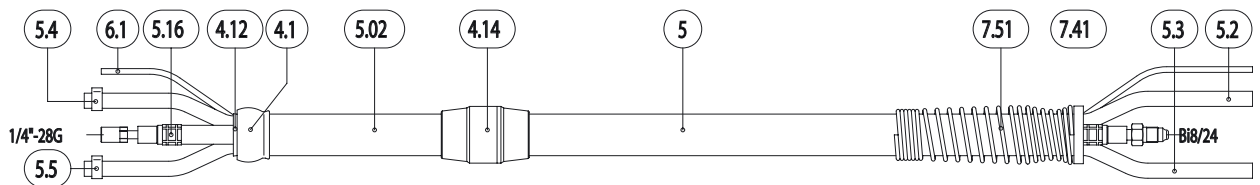
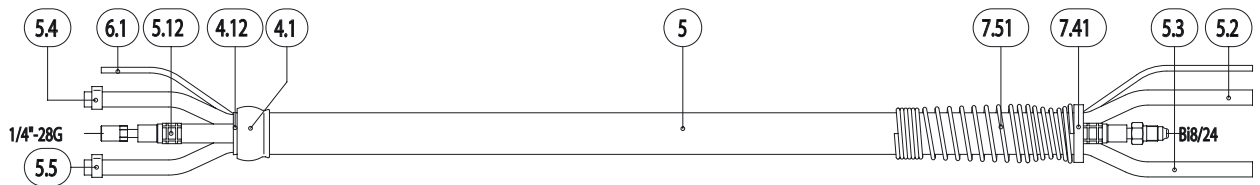
Page 5.8-5.10

# Cable assembly components ABITIG® GRIP

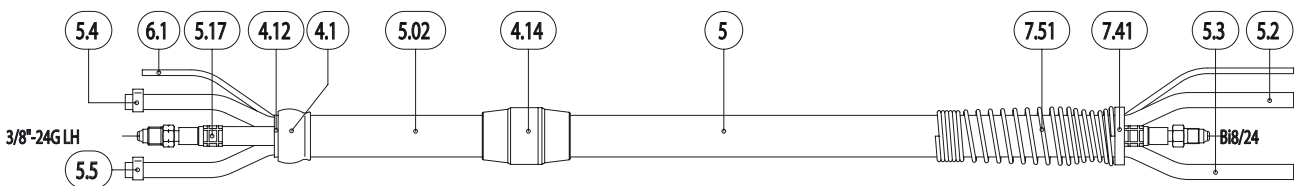
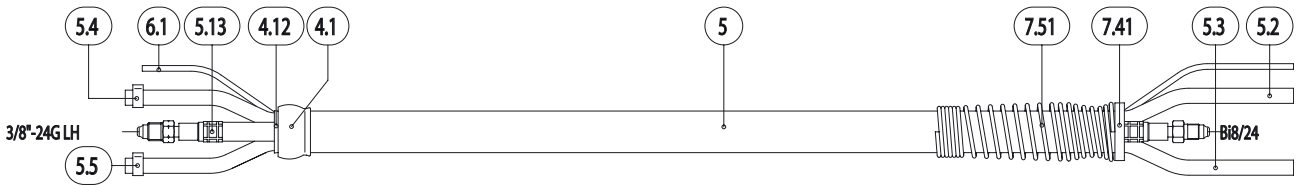
## ABITIG® GRIP 9 / 17 / 24 G / 26



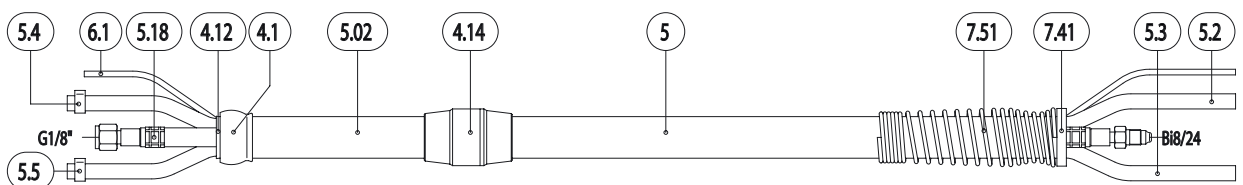
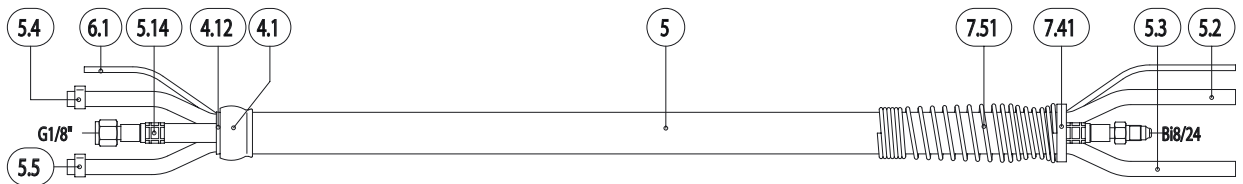
## ABITIG® GRIP 20 / 24 W



## ABITIG® GRIP 18 / 18 SC



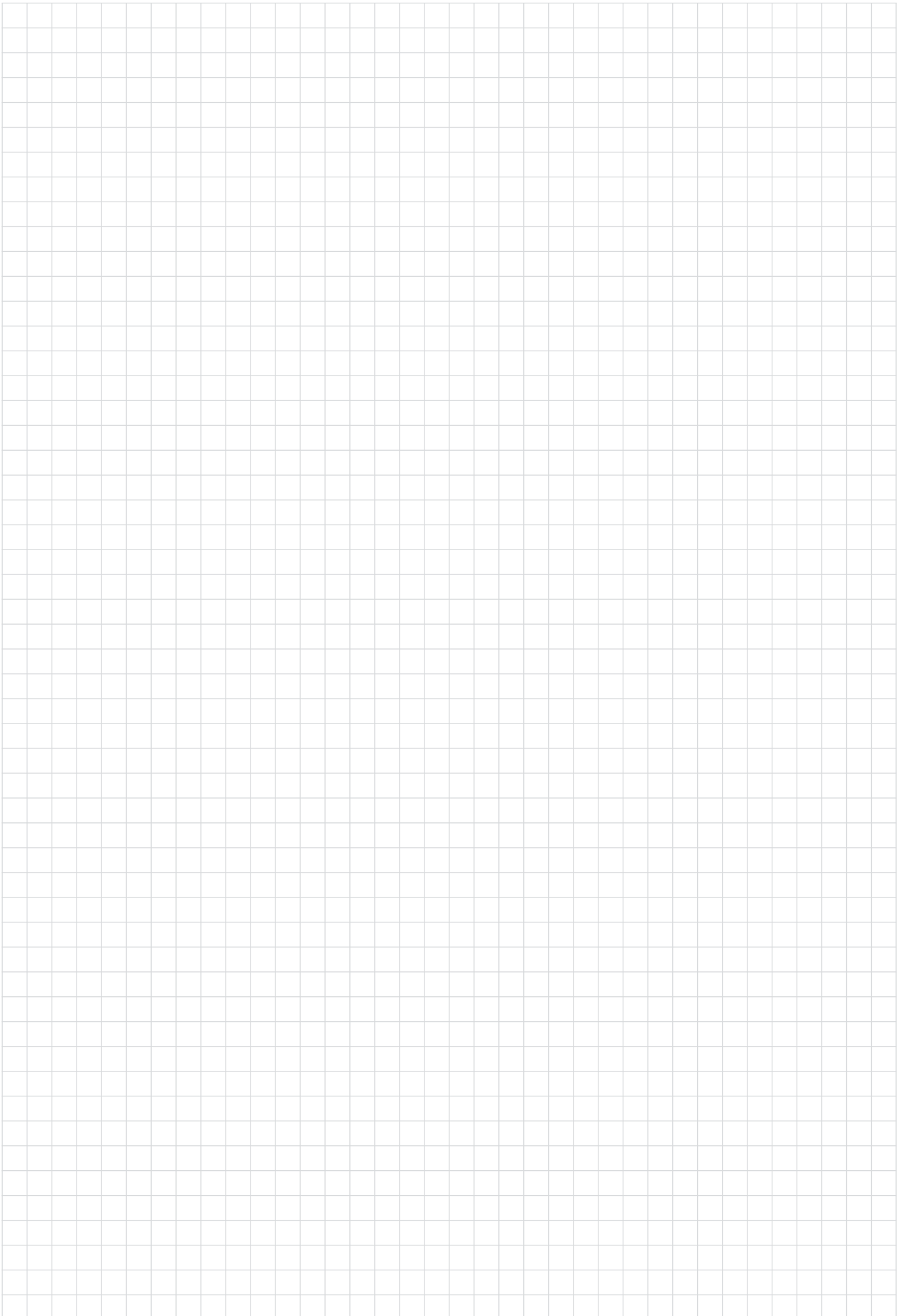
## ABITIG® GRIP 12-1



## Cable assembly components ABITIG® GRIP

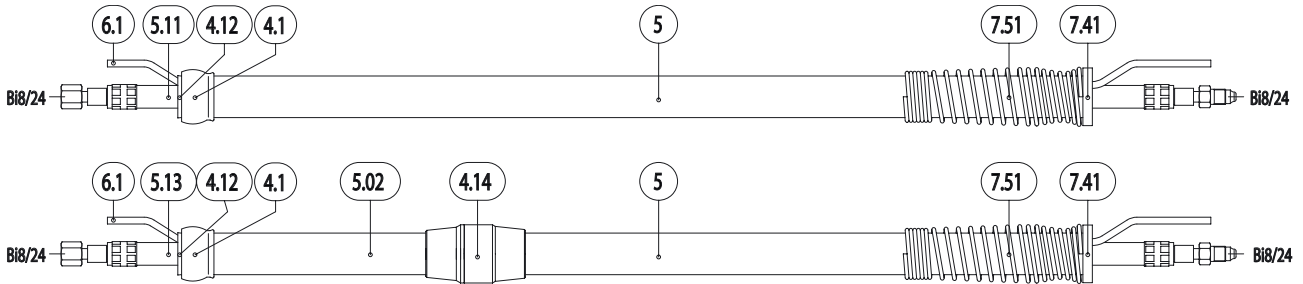
Pos.	Description	Units	Part-No.	Product-group
	<b>Ball joint and outer hose</b>			
4.1	Socket joint ABITIG® GRIP		400.1258	2005
4.12	Strain relief		400.0351	2005
4.14	Hose coupling cpl.		400.0391	2005
4.14	Hose coupling BS		400.0377	2005
4.14	Strain relief		400.0351	2005
4.14	Hose coupling MS		400.0378	2005
	<b>Outer hose and leather hose</b>			
5	Hose 10 black Ø 22x1.25	40 m	109.0020	4050
5.02	Leather hose High Flex Ø 23x1 (0.8 m)		108.0028	2005
	<b>Power cable standard</b>			
5.11	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 4.00 m		150.0084	2005
5.11	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 8.00 m		150.0085	2005
5.11	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 12.00 m		150.0086	2005
5.11	Power cable (ABITIG® 26) for 4.00 m		150.0087	2005
5.11	Power cable (ABITIG® 26) for 8.00 m		150.0088	2005
5.11	Power cable (ABITIG® 26) for 12.00 m		150.0089	2005
5.12	Power cable (ABITIG® 20, ABITIG® 24 W) for 4.00 m		150.0015	2005
5.12	Power cable (ABITIG® 20, ABITIG® 24 W) for 8.00 m		150.0016	2005
5.12	Power cable (ABITIG® 20, ABITIG® 24 W) for 12.00 m		150.0017	2005
5.13	Power cable (ABITIG® 18, ABITIG® 18 SC) for 4.00 m		150.0018	2005
5.13	Power cable (ABITIG® 18, ABITIG® 18 SC) for 8.00 m		150.0019	2005
5.13	Power cable (ABITIG® 18, ABITIG® 18 SC) for 12.00 m		150.0020	2005
5.14	Power cable (ABITIG® 12-1) for 4.00 m		150.0074	2005
5.14	Power cable (ABITIG® 12-1) for 8.00 m		150.0075	2005
5.14	Power cable (ABITIG® 12-1) for 12.00 m		150.0076	2005
	<b>Power cable High Flex</b>			
5.15	Power cable High Flex (ABITIG® 9) for 4.00 m		150.0056	2005
5.15	Power cable High Flex (ABITIG® 9) for 8.00 m		150.0057	2005
5.15	Power cable High Flex (ABITIG® 9) for 12.00 m		150.0058	2005
5.15	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 4.00 m		150.0065	2005
5.15	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 8.00 m		150.0066	2005
5.15	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 12.00 m		150.0067	2005
5.15	Power cable High Flex (ABITIG® 26) for 4.00 m		150.0059	2005
5.15	Power cable High Flex (ABITIG® 26) for 8.00 m		150.0060	2005
5.15	Power cable High Flex (ABITIG® 26) for 12.00 m		150.0061	2005
5.16	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 4.00 m		150.0062	2005
5.16	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 8.00 m		150.0063	2005
5.16	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 12.00 m		150.0064	2005
5.17	Power cable High Flex (ABITIG® 18, ABITIG® 18 SC) for 4.00 m		150.0068	2005
5.17	Power cable High Flex (ABITIG® 18, ABITIG® 18 SC) for 8.00 m		150.0069	2005
5.17	Power cable High Flex (ABITIG® 18, ABITIG® 18 SC) for 12.00 m		150.0070	2005
5.18	Power cable High Flex (ABITIG® 12-1) for 4.00 m		150.0071	2005
5.18	Power cable High Flex (ABITIG® 12-1) for 8.00 m		150.0072	2005
5.18	Power cable High Flex (ABITIG® 12-1) for 12.00 m		150.0073	2005
	<b>Gas hose, water hose, hose clamp and code colour ring</b>			
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.3	Hose 1 black Ø 3.9x1.5	100 m	109.0011	4050
5.4	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
w/o. fig.	Code colour ring red	20 Pcs.	501.2166	9010
w/o. fig.	Code colour ring blue	20 Pcs.	501.2167	9010
5.5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>Control cable</b>			
6.1	Control cable 3-pole	100 m	100.0100	4050
6.1	Control cable 6-pole	100 m	100.0112	4050
6.1	Control cable 7-pole; protected	100 m	100.0028	4050



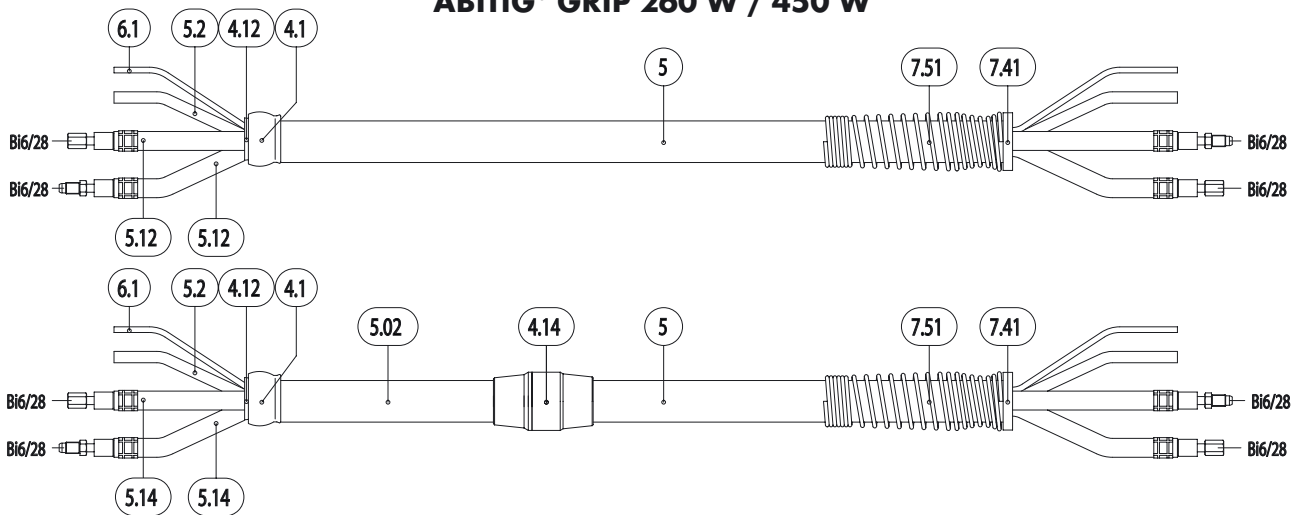


# Cable assembly components ABITIG® GRIP

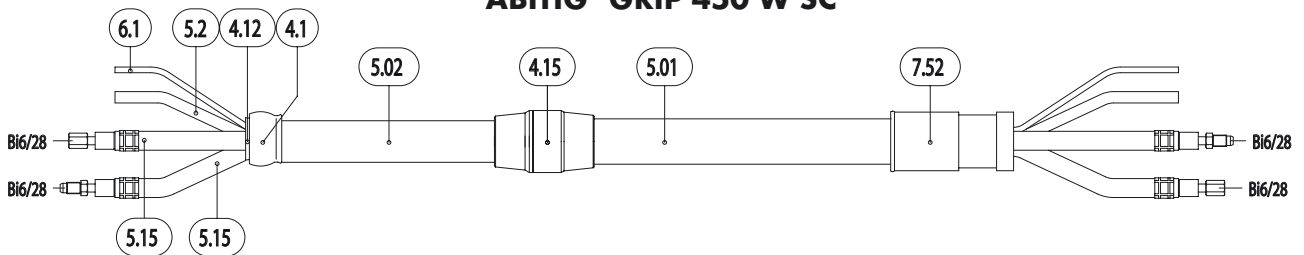
## ABITIG® GRIP 150 / 200



## ABITIG® GRIP 260 W / 450 W



## ABITIG® GRIP 450 W SC

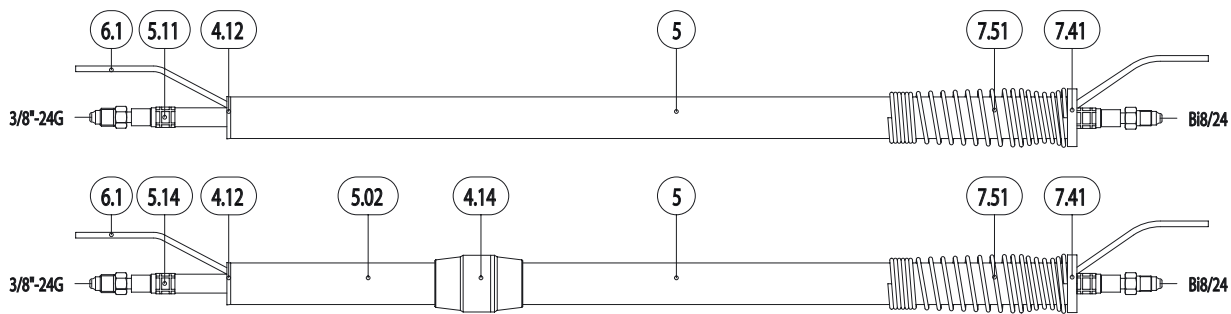


## Cable assembly components ABITIG® GRIP

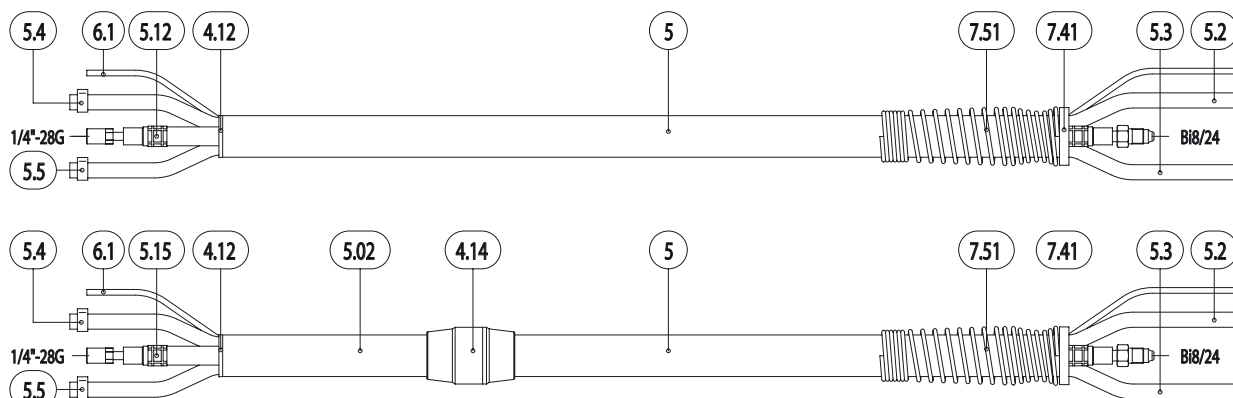
Pos.	Description	Units	Part-No.	Product-group
<b>Ball joint and outer hose</b>				
4.1	Socket joint ABITIG® GRIP		400.1258	2005
4.12	Strain relief		400.0351	2005
4.14	Hose coupling cpl.		400.0391	2005
4.14	Hose coupling BS		400.0377	2005
4.14	Strain relief		400.0351	2005
4.14	Hose coupling MS		400.0378	2005
4.15	Hose coupling cpl.		400.0392	2005
4.15	Hose coupling BS		400.0380	2005
4.15	Strain relief		400.0379	2005
4.15	Hose coupling MS		400.0381	2005
<b>Outer hose and leather hose</b>				
5	Hose 10 black Ø 22x1.25	40 m	109.0020	4050
5.01	Outer cover rubber Ø 25x1.25	40 m	105.0019	4050
5.02	Leather hose High Flex Ø 23x1 (0.8 m)		108.0028	2005
<b>Power cable standard</b>				
5.11	Power cable (ABITIG® 150) for 4.00 m		150.0111	2555
5.11	Power cable (ABITIG® 150) for 8.00 m		150.0112	2555
5.11	Power cable (ABITIG® 150) for 12.00 m		150.0113	2555
5.11	Power cable (ABITIG® 200) for 4.00 m		150.0170	2555
5.11	Power cable (ABITIG® 200) for 8.00 m		150.0171	2555
5.11	Power cable (ABITIG® 200) for 12.00 m		150.0172	2555
5.12	Power cable (ABITIG® 260 W) for 4.00 m		150.0099	2555
5.12	Power cable (ABITIG® 260 W) for 8.00 m		150.0100	2555
5.12	Power cable (ABITIG® 260 W) for 12.00 m		150.0101	2555
5.12	Power cable (ABITIG® 450 W) for 4.00 m		150.0054	2555
5.12	Power cable (ABITIG® 450 W) for 8.00 m		150.0055	2555
5.12	Power cable (ABITIG® 450 W) for 12.00 m		150.0083	2555
<b>Power cable High Flex</b>				
5.13	Power cable High Flex (ABITIG® 150) for 4.00 m		150.0040	2555
5.13	Power cable High Flex (ABITIG® 150) for 8.00 m		150.0041	2555
5.13	Power cable High Flex (ABITIG® 150) for 12.00 m		150.0190	2555
5.13	Power cable High Flex (ABITIG® 200) for 4.00 m		150.0036	2555
5.13	Power cable High Flex (ABITIG® 200) for 8.00 m		150.0037	2555
5.13	Power cable High Flex (ABITIG® 200) for 12.00 m		150.0114	2555
5.14	Power cable High Flex (ABITIG® 260 W) for 4.00 m		150.0164	2555
5.14	Power cable High Flex (ABITIG® 260 W) for 8.00 m		150.0165	2555
5.14	Power cable High Flex (ABITIG® 260 W) for 12.00 m		150.0166	2555
5.14	Power cable High Flex (ABITIG® 450 W) for 4.00 m		150.0167	2555
5.14	Power cable High Flex (ABITIG® 450 W) for 8.00 m		150.0168	2555
5.14	Power cable High Flex (ABITIG® 450 W) for 12.00 m		150.0169	2555
5.15	Power cable High Flex (ABITIG® 450 W SC) for 4.00 m		150.0203	2555
5.15	Power cable High Flex (ABITIG® 450 W SC) for 8.00 m		150.0194	2555
5.15	Power cable High Flex (ABITIG® 450 W SC) for 12.00 m		150.0204	2555
<b>Gas hose and hose clamp</b>				
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>Control cable</b>				
6.1	Control cable 3-pole	100 m	100.0100	4050
6.1	Control cable 6-pole	100 m	100.0112	4050
6.1	Control cable 7-pole; protected	100 m	100.0028	4050
<b>Cable support, cable support spring and strain relief</b>				
7.41	Strain relief		500.0252	9010
7.51	Cable support spring		500.0227	9010
7.52	Cable support		500.0160	9010

# Cable assembly components ABITIG® GRIP Little

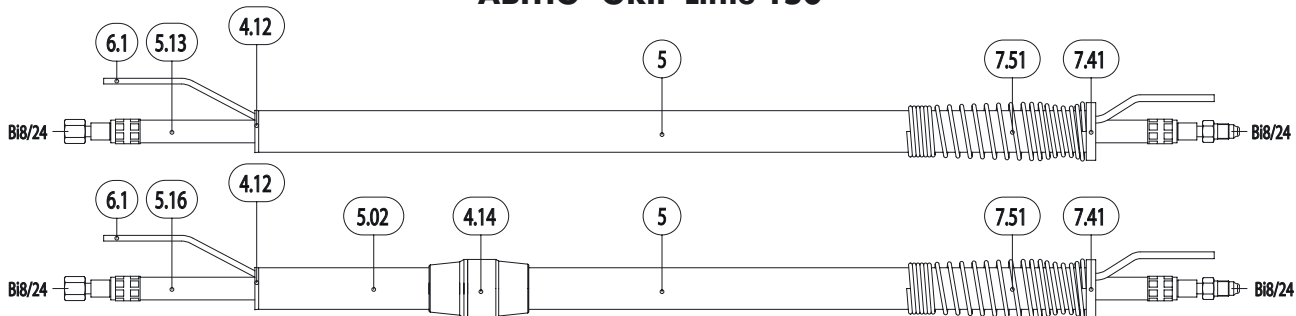
## ABITIG® GRIP Little 9 / 17 / 24 G



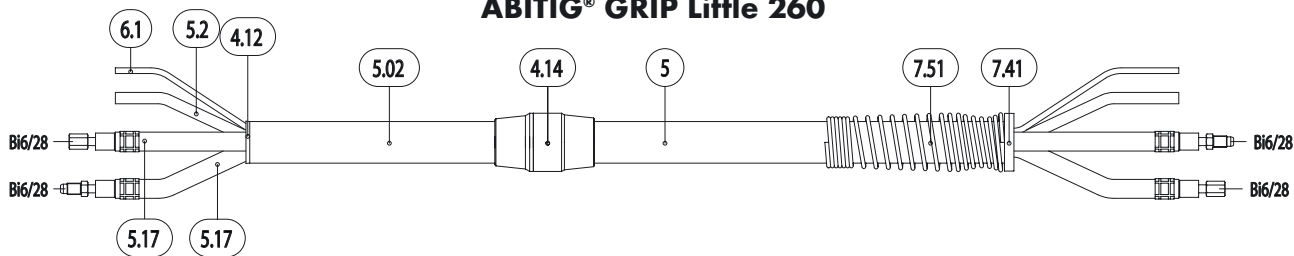
## ABITIG® GRIP Little 20 / 24 W



## ABITIG® GRIP Little 150



## ABITIG® GRIP Little 260

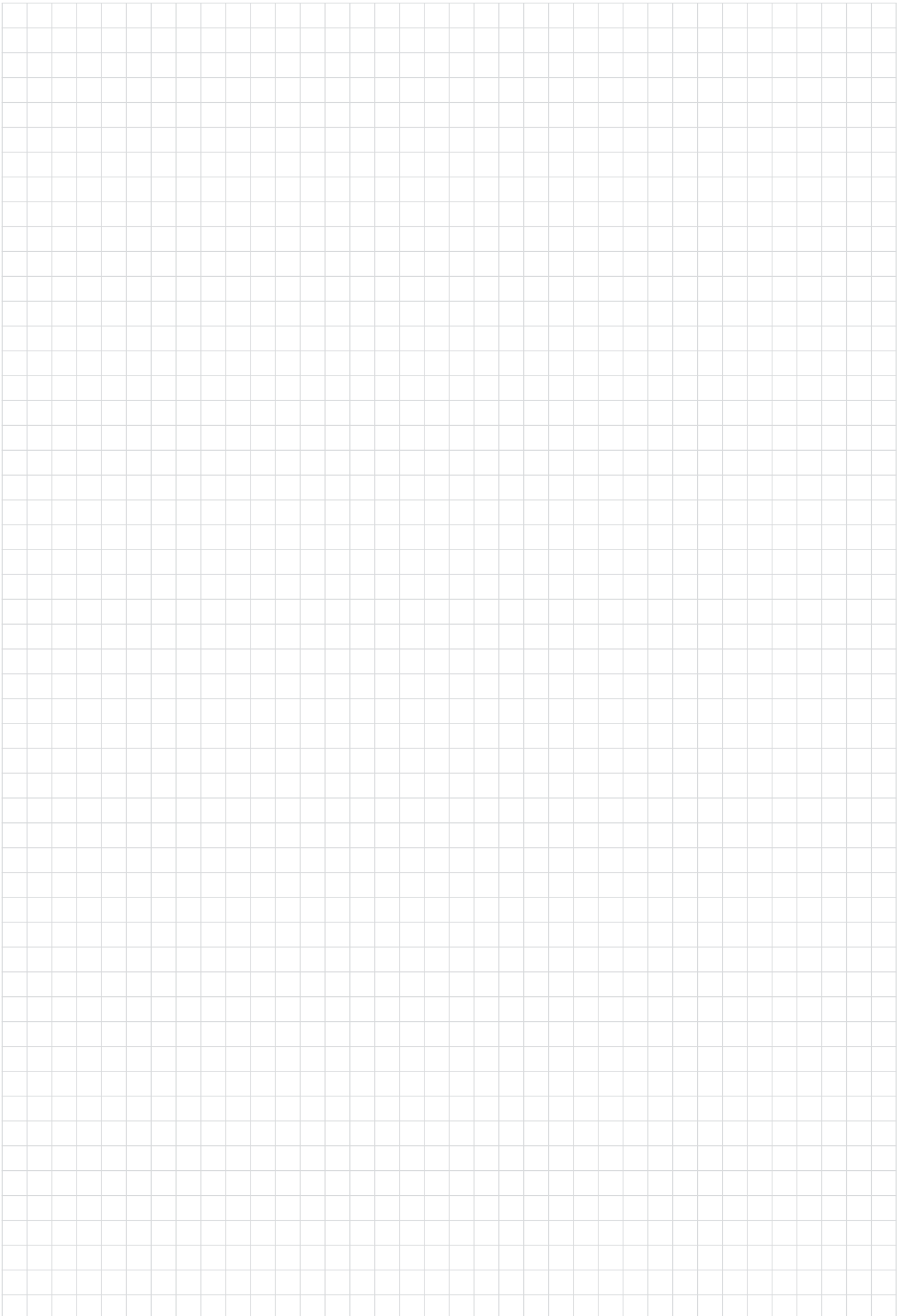




## Cable assembly components ABITIG® GRIP Little

Pos.	Description	Units	Part-No.	Product-group
	<b>Ball joint and outer hose</b>			
4.12	Strain relief		400.0351	2005
4.14	Hose coupling cpl.		400.0391	2005
4.14	Hose coupling BS		400.0377	2005
4.14	Strain relief		400.0351	2005
4.14	Hose coupling MS		400.0378	2005
	<b>Outer hose and leather hose</b>			
5	Hose 10 black Ø 22x1.25	40 m	109.0020	4050
5.02	Leather hose High Flex Ø 23x1 (0.8 m)		108.0028	2005
	<b>Power cable standard</b>			
5.11	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 4.00 m		150.0084	2005
5.11	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 8.00 m		150.0085	2005
5.11	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 12.00 m		150.0086	2005
5.12	Power cable (ABITIG® 20) for 4.00 m		150.0259.1	2005
5.12	Power cable (ABITIG® 20) for 8.00 m		150.0260.1	2005
5.12	Power cable (ABITIG® 20) for 12.00 m		150.0261.1	2005
5.12	Power cable (ABITIG® 20, ABITIG® 24 W) for 4.00 m		150.0015	2005
5.12	Power cable (ABITIG® 20, ABITIG® 24 W) for 8.00 m		150.0016	2005
5.12	Power cable (ABITIG® 20, ABITIG® 24 W) for 12.00 m		150.0017	2005
5.13	Power cable (ABITIG® 150) for 4.00 m		150.0111	2555
5.13	Power cable (ABITIG® 150) for 8.00 m		150.0112	2555
5.13	Power cable (ABITIG® 150) for 12.00 m		150.0113	2555
	<b>Power cable High Flex</b>			
5.14	Power cable High Flex (ABITIG® 9) for 4.00 m		150.0056	2005
5.14	Power cable High Flex (ABITIG® 9) for 8.00 m		150.0057	2005
5.14	Power cable High Flex (ABITIG® 9) for 12.00 m		150.0058	2005
5.14	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 4.00 m		150.0065	2005
5.14	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 8.00 m		150.0066	2005
5.14	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 12.00 m		150.0067	2005
5.15	Power cable High Flex (ABITIG® 20) for 4.00 m		150.0255.1	2005
5.15	Power cable High Flex (ABITIG® 20) for 8.00 m		150.0256.1	2005
5.15	Power cable High Flex (ABITIG® 20) for 12.00 m		150.0257.1	2005
5.15	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 4.00 m		150.0062	2005
5.15	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 8.00 m		150.0063	2005
5.15	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 12.00 m		150.0064	2005
5.16	Power cable High Flex (ABITIG® 150) for 4.00 m		150.0040	2555
5.16	Power cable High Flex (ABITIG® 150) for 8.00 m		150.0041	2555
5.16	Power cable High Flex (ABITIG® 150) for 12.00 m		150.0190	2555
5.17	Power cable High Flex (ABITIG® 260 W) for 4.00 m		150.0002	2555
5.17	Power cable High Flex (ABITIG® 260 W) for 8.00 m		150.0003	2555
5.17	Power cable High Flex (ABITIG® 260 W) for 12.00 m		150.0082	2555
	<b>Gas hose, water hose, hose clamp and code colour ring</b>			
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.3	Hose 1 black Ø 3.9x1.5	100 m	109.0011	4050
5.4	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
w/o. fig.	Code colour ring red	20 Pcs.	501.2166	9010
w/o. fig.	Code colour ring blue	20 Pcs.	501.2167	9010
5.5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>Control cable</b>			
6.1	Control cable 3-pole	100 m	100.0100	4050
6.1	Control cable 6-pole	100 m	100.0112	4050
6.1	Control cable 7-pole; protected	100 m	100.0028	4050
	<b>Cable support spring and strain relief</b>			
7.41	Strain relief		500.0252	9010
7.51	Cable support spring		500.0227	9010

## Notes



# Connecting modules **BCS** for all common TIG Welding power sources Single- and central connectors air or liquid cooled

■ **ABITIG® GRIP, ABITIG® GRIP Little and ABITIG®-MT  
(air cooled)**

ABITIG® GRIP 9 / 17 / 24 G / 26 / 150 and 200  
ABITIG® GRIP Little 9 / 17 / 24 G and 150  
ABITIG®-MT 150 and 200

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■ **ABITIG® GRIP, ABITIG® GRIP Little and ABITIG®-MT  
(liquid cooled)**

ABITIG® GRIP 12-1 / 18 / 18 SC / 20 and 24 W  
ABITIG® GRIP Little 20 and 24 W  
ABITIG®-MT 260 W / 300 W / 400 W and 500 W

Page 6.8-6.15

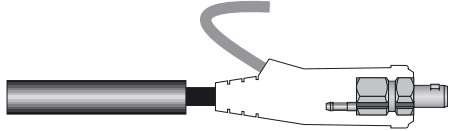
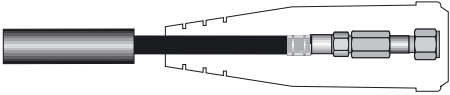
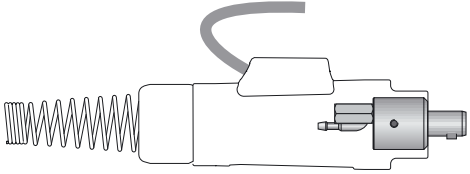
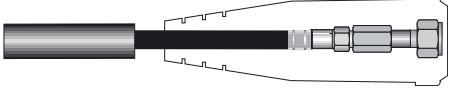
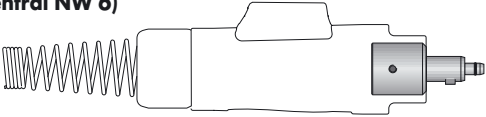



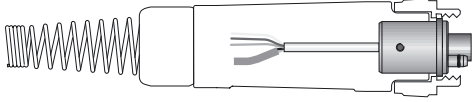
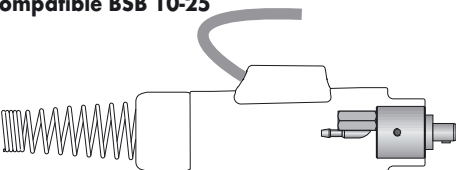


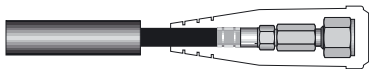


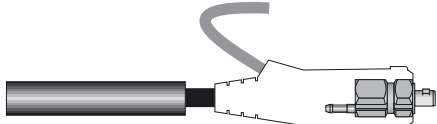

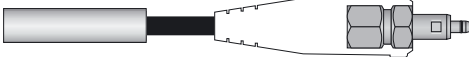
■ **ABITIG® GRIP and ABITIG® GRIP Little  
(liquid cooled)**

ABITIG® GRIP 260 W / 450 W and 450 W SC  
ABITIG® GRIP Little 260 W

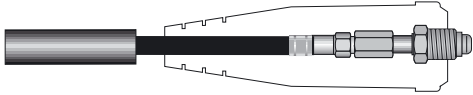
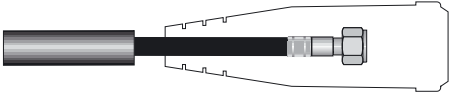
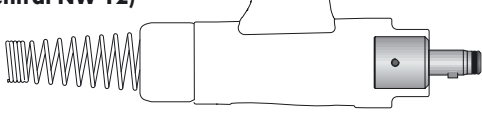
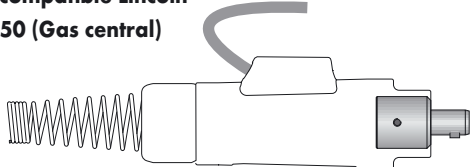

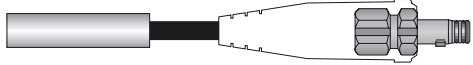
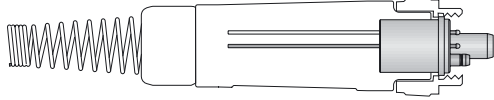
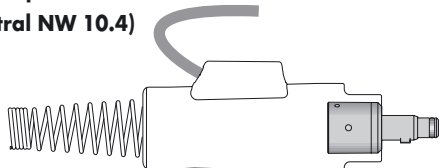
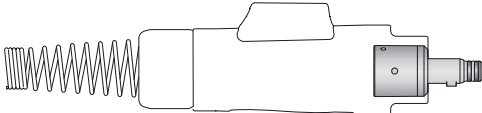
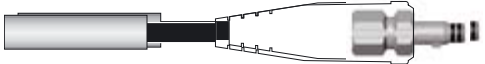
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## Connecting modules for ABITIG® GRIP / Little / -MT (air cooled)

<p><b>BCS-00 compatible BSB 35-50</b></p>  <p style="text-align: right;">①</p>	<p><b>BCS-09 compatible G1/8"</b></p>  <p style="text-align: right;">⑩</p>
<p><b>BCS-01 compatible BSB 35-50</b></p>  <p style="text-align: right;">②</p>	<p><b>BCS-11 compatible G1/4"</b></p>  <p style="text-align: right;">⑪</p>
<p><b>BCS-02 compatible Lorch (Gas central NW 6)</b></p>  <p style="text-align: right;">③</p>	<p><b>BCS-14 compatible 7/8"-14G UNF</b></p>  <p style="text-align: right;">⑫</p>
<p><b>BCS-03 compatible GZ</b></p>  <p style="text-align: right;">④</p>	<p><b>BCS-15 compatible 9/16"-18G UNF</b></p>  <p style="text-align: right;">⑬</p>
<p><b>BCS-04 compatible WTG-5</b></p>  <p style="text-align: right;">⑤</p>	<p><b>BCS-17 compatible BSB 10-25</b></p>  <p style="text-align: right;">⑭</p>
<p><b>BCS-05 compatible Cloos</b></p>  <p style="text-align: right;">⑥</p>	<p><b>BCS-18 compatible Oerlikon</b></p>  <p style="text-align: right;">⑮</p>
<p><b>BCS-06 compatible G3/8"</b></p>  <p style="text-align: right;">⑦</p>	<p><b>BCS-20 compatible Dalex (Gas central NW 6)</b></p>  <p style="text-align: right;">⑯</p>
<p><b>BCS-07 compatible ZA 9-pole</b></p>  <p style="text-align: right;">⑧</p>	<p><b>BCS-22 compatible BSB 10-25</b></p>  <p style="text-align: right;">⑰</p>
<p><b>BCS-08 compatible M12x1</b></p>  <p style="text-align: right;">⑨</p>	<p><b>BCS-23 compatible Lorch (Gas central NW 6)</b></p>  <p style="text-align: right;">⑱</p>

## Connecting modules for ABITIG® GRIP / Little / -MT (air cooled)

<p><b>BCS-24 compatible 5/8''-18G UNF</b></p>  <p style="text-align: right;">(19)</p>	<p><b>BCS-81 compatible Esseti</b></p>  <p style="text-align: right;">(28)</p>
<p><b>BCS-25 compatible Oerlikon (Gas central NW 12)</b></p>  <p style="text-align: right;">(20)</p>	
<p><b>BCS-26 compatible Lincoln BSB 35-50 (Gas central)</b></p>  <p style="text-align: right;">(21)</p>	
<p><b>BCS-27 compatible BSB 10-25</b></p>  <p style="text-align: right;">(22)</p>	
<p><b>BCS-33 compatible SAF (Gas central NW 12.2)</b></p>  <p style="text-align: right;">(23)</p>	
<p><b>BCS-34 compatible GZ-2</b></p>  <p style="text-align: right;">(24)</p>	
<p><b>BCS-36 compatible Fronius (Gas central NW 10.4)</b></p>  <p style="text-align: right;">(25)</p>	
<p><b>BCS-37 compatible Merkle</b></p>  <p style="text-align: right;">(26)</p>	
<p><b>BCS-38 compatible Lorch</b></p>  <p style="text-align: right;">(27)</p>	

## Connecting modules for ABITIG® GRIP / Little / -MT (air cooled)

Pos.	Description	Units	Part-No.	Product-group
<b>BCS-00 compatible BSB 35-50</b>				
1	BCS-00 connecting module		771.0521	2005
1	Rubber sleeve		500.0272	9010
1	Hose Ø 3x1.5	100 m	102.0124	4050
1	Hose clamp Ø 6.5 mm with ring (mark 7.0)	20 Pcs.	173.0009	9010
<b>BCS-01 compatible BSB 35-50</b>				
2	BCS-01 connecting module		770.0518	2005
2	Cable support machine side small		500.0432	9010
2	Cable support machine side cover small		500.0433	9010
2	Sealing cover		500.0431	9010
2	Lock ring ND 31		400.0987	9010
2	Cable support spring		500.0227	9010
2	Strain relief		500.0252	9010
2	Pan head screw M4x6	20 Pcs.	000.0552	9010
2	Screw cap 2	20 Pcs.	500.0362	9010
2	Hose Ø 3x1.5	100 m	102.0124	4050
2	Hose clamp Ø 6.5 mm with ring (mark 7.0)	20 Pcs.	173.0009	9010
<b>BCS-02 compatible Lorch (Gas central NW 6)</b>				
3	BCS-02 connecting module		770.0516	2005
3	Cable support machine side small		500.0432	9010
3	Cable support machine side cover small		500.0433	9010
3	Strain relief		500.0252	9010
3	Sealing cover		500.0431	9010
3	Lock ring ND 31		400.0987	9010
3	Cable support spring		500.0227	9010
3	Pan head screw M4x6	20 Pcs.	000.0552	9010
3	Screw cap 2	20 Pcs.	500.0362	9010
<b>BCS-03 compatible GZ</b>				
4	BCS-03 connecting module		770.0581	2005
4	Cable support machine side small		500.0432	9010
4	Cable support machine side cover small		500.0433	9010
4	Strain relief		500.0252	9010
4	Sealing cover		500.0431	9010
4	Lock ring ND 31		400.0987	9010
4	Cable support spring		500.0227	9010
4	Pan head screw M4x6	20 Pcs.	000.0552	9010
4	Screw cap 1	20 Pcs.	500.0251	9010
4	Adaptor nut M33x2		500.0213	9010
<b>BCS-04 compatible WTG-5</b>				
5	BCS-04 connecting module		770.0551	2005
5	Cable support machine side small		500.0427	9010
5	Cable support machine side cover small		500.0428	9010
5	Strain relief		500.0252	9010
5	Lock ring ND 31		400.0987	9010
5	Cable support spring		500.0227	9010
5	Pan head screw M4x6	20 Pcs.	000.0552	9010
5	Screw cap 1	20 Pcs.	500.0251	9010
5	Adaptor nut M33x2		500.0213	9010
<b>BCS-05 compatible Cloos</b>				
6	BCS-05 connecting module		770.0562	2005
6	Cable support machine side small		500.0432	9010
6	Cable support machine side cover small		500.0433	9010
6	Strain relief		500.0252	9010
6	Sealing cover		500.0431	9010
6	Lock ring ND 31		400.0987	9010
6	Cable support spring		500.0227	9010

## Connecting modules for ABITIG® GRIP / Little / -MT (air cooled)

Pos.	Description	Units	Part-No.	Product-group
6	Pan head screw M4x6	20 Pcs.	000.0552	9010
6	Screw cap 2	20 Pcs.	500.0362	9010
	<b>BCS-06 compatible G3/8"</b>			
7	BCS-06 connecting module		770.0573	2005
7	Rubber sleeve		511.0398	4001
	<b>BCS-07 compatible ZA 9-pole</b>			
8	BCS-07 connecting module		771.0509	2005
8	Distance ring		771.0502	9010
8	Cable support machine side small		500.0427	9010
8	Cable support machine side cover small		500.0428	9010
8	Strain relief		500.0252	9010
8	Lock ring ND 31		400.0987	9010
8	Cable support spring		500.0227	9010
8	Pan head screw M4x6	20 Pcs.	000.0552	9010
8	Screw cap 2	20 Pcs.	500.0362	9010
8	Adaptor nut		501.0127	9010
	<b>BCS-08 compatible M12x1</b>			
9	BCS-08 connecting module		771.0572	2005
9	Rubber sleeve		511.0398	4001
	<b>BCS-08 compatible G1/8"</b>			
10	BCS-09 connecting module		771.0563	2005
10	Rubber sleeve		511.0398	4001
	<b>BCS-11 compatible G1/4"</b>			
11	BCS-11 connecting module		771.0562	2005
11	Rubber sleeve		511.0398	4001
	<b>BCS-14 compatible 7/8"-14G UNF</b>			
12	BCS-14 connecting module		771.0573	2005
12	Rubber sleeve		511.0398	4001
	<b>BCS-15 compatible 9/16"-18G UNF</b>			
13	BCS-15 connecting module		771.0574	2005
13	Rubber sleeve		511.0398	4001
	<b>BCS-17 compatible BSB 10-25</b>			
14	BCS-17 connecting module		772.0581	2005
14	Cable support machine side small		500.0432	9010
14	Cable support machine side cover small		500.0433	9010
14	Strain relief		500.0252	9010
14	Sealing cover		500.0431	9010
14	Lock ring ND 31		400.0987	9010
14	Cable support spring		500.0227	9010
14	Pan head screw M4x6	20 Pcs.	000.0552	9010
14	Screw cap 2	20 Pcs.	500.0362	9010
14	Hose Ø 3x1.5	100 m	102.0124	4050
14	Hose clamp Ø 6.5 mm with ring (mark 7.0)	20 Pcs.	173.0009	9010
	<b>BCS-18 compatible Oerlikon</b>			
15	BCS-18 connecting module		773.0501	2005
15	Cable support machine side small		500.0432	9010
15	Cable support machine side cover small		500.0433	9010
15	Strain relief		500.0252	9010
15	Sealing cover		500.0431	9010
15	Lock ring ND 31		400.0987	9010
15	Cable support spring		500.0227	9010
15	Pan head screw M4x6	20 Pcs.	000.0552	9010
15	Screw cap 1	20 Pcs.	500.0251	9010
	<b>BCS-20 compatible Dalex (Gas central NW 6)</b>			
16	BCS-20 connecting module		770.0522	2005
16	Cable support machine side small		500.0432	9010

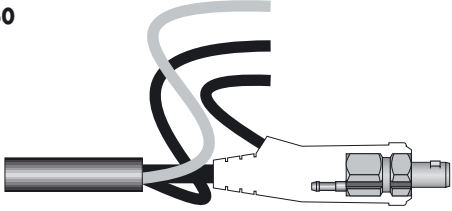
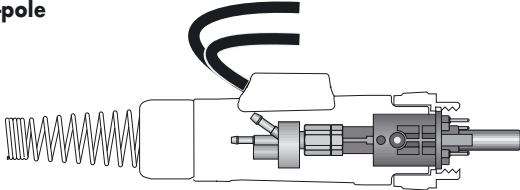
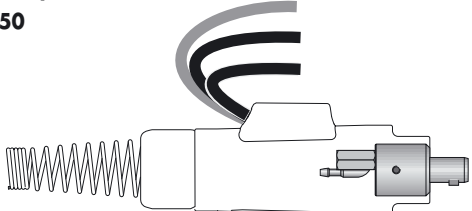
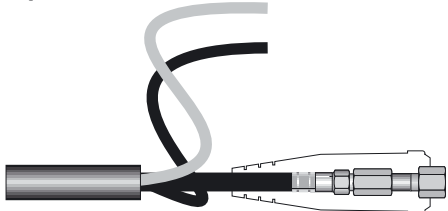
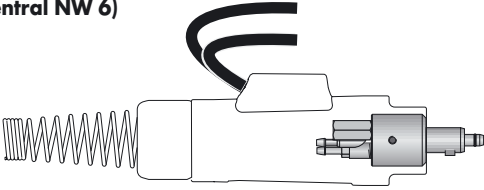
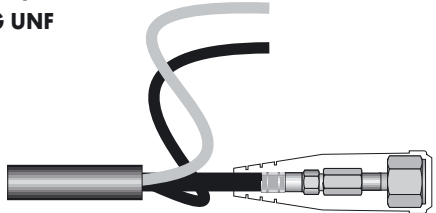
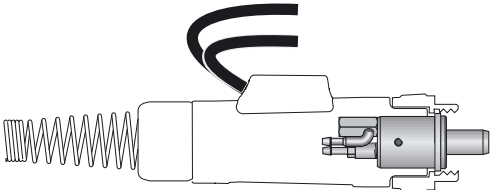
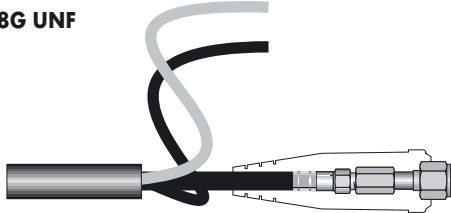
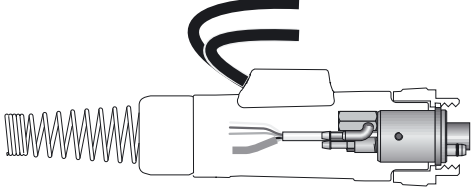
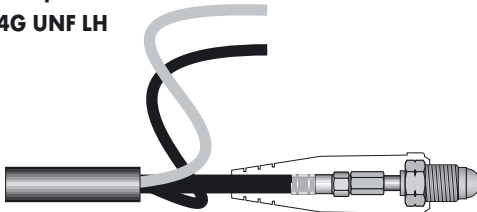
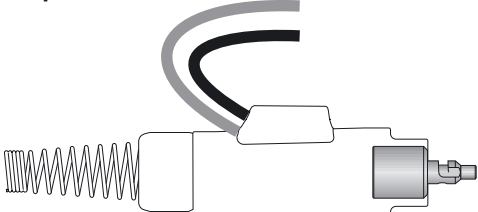
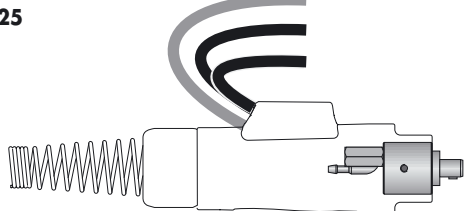
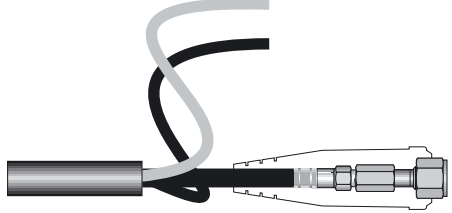
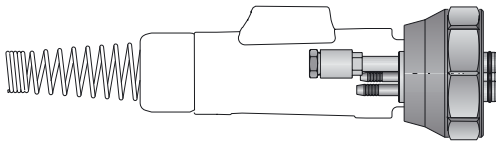
## Connecting modules for ABITIG® GRIP / Little / -MT (air cooled)

Pos.	Description	Units	Part-No.	Product-group
16	Cable support machine side cover small		500.0433	9010
16	Strain relief		500.0252	9010
16	Sealing cover		500.0431	9010
16	Lock ring ND 31		400.0987	9010
16	Cable support spring		500.0227	9010
16	Pan head screw M4x6	20 Pcs.	000.0552	9010
16	Screw cap 2	20 Pcs.	500.0362	9010
<b>BCS-22 compatible BSB 10-25</b>				
17	BCS-22 connecting module		771.0525	2005
17	Rubber sleeve		500.0272	9010
17	Hose Ø 3x1.5	100 m	102.0124	4050
17	Hose clamp Ø 6.5 mm with ring (mark 7.0)	20 Pcs.	173.0009	9010
<b>BCS-23 compatible Lorch (Gas central NW 6)</b>				
18	BCS-23 connecting module		770.0591	2005
18	Rubber sleeve		500.0271	9010
<b>BCS-24 compatible 5/8"-18G UNF</b>				
19	BCS-24 connecting module		771.0575	2005
19	Rubber sleeve		511.0398	4001
<b>BCS-25 compatible Oerlikon (Gas central NW 12)</b>				
20	BCS-25 connecting module		773.0551	2005
20	Cable support machine side small		500.0432	9010
20	Cable support machine side cover small		500.0433	9010
20	Strain relief		500.0252	9010
20	Sealing cover		500.0431	9010
20	Lock ring ND 31		400.0987	9010
20	Cable support spring		500.0227	9010
20	Pan head screw M4x6	20 Pcs.	000.0552	9010
20	Screw cap 2	20 Pcs.	500.0362	9010
<b>BCS-26 compatible Lincoln BSB 35-50 (Gas central)</b>				
21	BCS-26 connecting module		770.0503	2005
21	Cable support machine side small		500.0432	9010
21	Cable support machine side cover small		500.0433	9010
21	Strain relief		500.0252	9010
21	Sealing cover		500.0431	9010
21	Lock ring ND 31		400.0987	9010
21	Cable support spring		500.0227	9010
21	Pan head screw M4x6	20 Pcs.	000.0552	9010
21	Screw cap 2	20 Pcs.	500.0362	9010
<b>BCS-27 compatible BSB 10-25</b>				
22	BCS-27 connecting module		770.0558	2005
22	Cable support machine side		770.0560	2005
22	Rounded countersunk head screw M4x6	20 Pcs.	009.0201	9010
22	Hose Ø 3x1.5	100 m	102.0124	4050
22	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
22	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-33 compatible SAF (Gas central NW 12.2)</b>				
23	BCS-33 connecting module		773.0556	2005
23	Rubber sleeve		500.0271	9010
<b>BCS-34 compatible GZ-2</b>				
24	BCS-34 connecting module		770.0576	2005
24	Cable support machine side small		500.0427	9010
24	Cable support machine side cover small		500.0428	9010
24	Strain relief		500.0252	9010
24	Lock ring ND 31		400.0987	9010
24	Cable support spring		500.0227	9010
24	Pan head screw M4x6	20 Pcs.	000.0552	9010

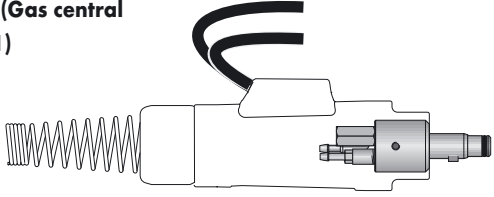
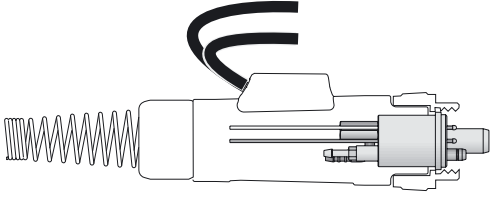

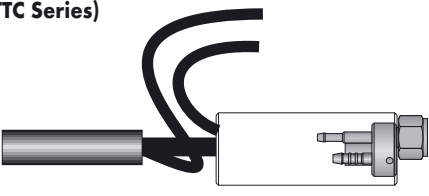
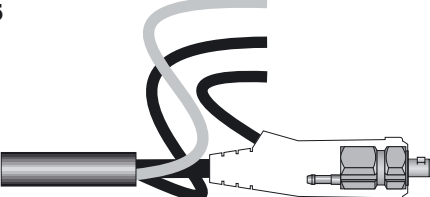
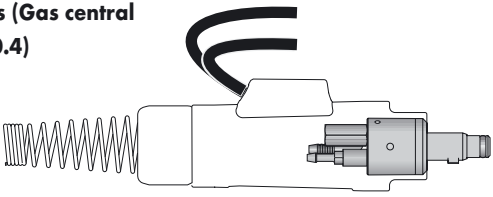
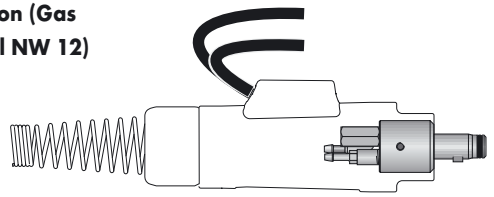
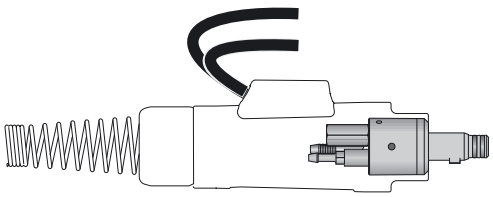
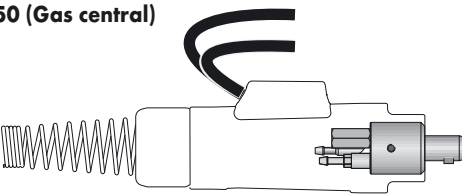

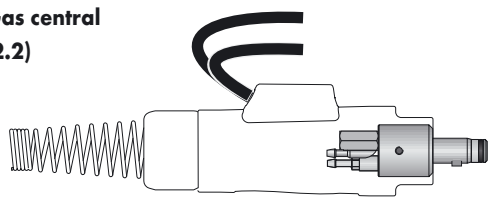




## Connecting modules for ABITIG® GRIP / Little / -MT (liquid cooled)

<p><b>BCS-00 compatible</b> <b>BSB 35-50</b></p>  <p>①</p>	<p><b>BCS-07 compatible</b> <b>ZA 9-pole</b></p>  <p>⑧</p>
<p><b>BCS-01 compatible</b> <b>BSB 35-50</b></p>  <p>②</p>	<p><b>BCS-08 compatible</b> <b>M12x1</b></p>  <p>⑨</p>
<p><b>BCS-02 compatible Lorch</b> <b>(Gas central NW 6)</b></p>  <p>③</p>	<p><b>BCS-12 compatible</b> <b>7/8''-14G UNF</b></p>  <p>⑩</p>
<p><b>BCS-03 compatible</b> <b>WZ-0</b></p>  <p>④</p>	<p><b>BCS-15 compatible</b> <b>9/16''-18G UNF</b></p>  <p>⑪</p>
<p><b>BCS-04 compatible</b> <b>WTW-5</b></p>  <p>⑤</p>	<p><b>BCS-16 compatible</b> <b>7/8''-14G UNF LH</b></p>  <p>⑫</p>
<p><b>BCS-05 compatible</b> <b>Cloos</b></p>  <p>⑥</p>	<p><b>BCS-17 compatible</b> <b>BSB 10-25</b></p>  <p>⑬</p>
<p><b>BCS-06 compatible</b> <b>G3/8''</b></p>  <p>⑦</p>	<p><b>BCS-19 compatible</b> <b>Oerlikon</b></p>  <p>⑭</p>

## Connecting modules for ABITIG® GRIP / Little / -MT (liquid cooled)

<p><b>BCS-20 compatible</b> Dalex (Gas central NW 11)</p>  <p style="text-align: right;">(15)</p>	<p><b>BCS-34 compatible</b> WZ-2</p>  <p style="text-align: right;">(22)</p>
<p><b>BCS-21 compatible</b> Dalex (coolant return flow NW 11)</p>  <p style="text-align: right;">(16)</p>	<p><b>BCS-35 compatible</b> Kemppi (TTC Series)</p>  <p style="text-align: right;">(23)</p>
<p><b>BCS-22 compatible</b> BSB 10-25</p>  <p style="text-align: right;">(17)</p>	<p><b>BCS-36 compatible</b> Fronius (Gas central NW 10.4)</p>  <p style="text-align: right;">(24)</p>
<p><b>BCS-25 compatible</b> Oerlikon (Gas zentral NW 12)</p>  <p style="text-align: right;">(18)</p>	<p><b>BCS-37 compatible</b> Merkle</p>  <p style="text-align: right;">(25)</p>
<p><b>BCS-26 compatible</b> Lincoln BSB 35-50 (Gas central)</p>  <p style="text-align: right;">(19)</p>	
<p><b>BCS-27 compatible</b> BSB 10-25</p>  <p style="text-align: right;">(20)</p>	
<p><b>BCS-33 compatible</b> SAF (Gas central NW 12.2)</p>  <p style="text-align: right;">(21)</p>	

## Connecting modules for ABITIG® GRIP / Little / -MT (liquid cooled)

Pos.	Description	Units	Part-No.	Product-group
<b>BCS-00 compatible BSB 35-50</b>				
1	BCS-00 connecting module		771.0521	2005
1	Rubber sleeve		500.0272	9010
1	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
1	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
<b>BCS-01 compatible BSB 35-50</b>				
2	BCS-01 connecting module		770.0518	2005
2	Cable support machine side small		500.0432	9010
2	Cable support machine side cover small		500.0433	9010
2	Strain relief		500.0252	9010
2	Sealing cover		500.0431	9010
2	Lock ring ND 31		400.0987	9010
2	Cable support spring		500.0227	9010
2	Pan head screw M4x6	20 Pcs.	000.0552	9010
2	Screw cap 2	20 Pcs.	500.0362	9010
2	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
2	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
<b>BCS-02 compatible Lorch (Gas central NW 6)</b>				
3	BCS-02 connecting module		772.0512	2005
3	Cable support machine side small		500.0432	9010
3	Cable support machine side cover small		500.0433	9010
3	Strain relief		500.0252	9010
3	Sealing cover		500.0431	9010
3	Lock ring ND 31		400.0987	9010
3	Cable support spring		500.0227	9010
3	Pan head screw M4x6	20 Pcs.	000.0552	9010
3	Screw cap 2	20 Pcs.	500.0362	9010
3	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
3	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
3	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-03 compatible WZ-0</b>				
4	BCS-03 connecting module		770.0583	2005
4	Cable support machine side small		500.0432	9010
4	Cable support machine side cover small		500.0433	9010
4	Strain relief		500.0252	9010
4	Sealing cover		500.0431	9010
4	Lock ring ND 31		400.0987	9010
4	Cable support spring		500.0227	9010
4	Pan head screw M4x6	20 Pcs.	000.0552	9010
4	Screw cap 1	20 Pcs.	500.0251	9010
4	Adaptor nut M33x2		500.0213	9010
4	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
4	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
4	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-04 compatible WTW-5</b>				
5	BCS-04 connecting module		770.0557	2005
5	Cable support machine side small		500.0432	9010
5	Cable support machine side cover small		500.0433	9010
5	Strain relief		500.0252	9010
5	Sealing cover		500.0431	9010
5	Lock ring ND 31		400.0987	9010
5	Cable support spring		500.0227	9010
5	Pan head screw M4x6	20 Pcs.	000.0552	9010
5	Screw cap 1	20 Pcs.	500.0251	9010
5	Adaptor nut M33x2		500.0213	9010
5	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050

## Connecting modules for ABITIG® GRIP / Little / -MT (liquid cooled)

Pos.	Description	Units	Part-No.	Product-group
5	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-05 compatible Cloos</b>			
6	BCS-05 connecting module		770.0562	2005
6	Cable support machine side small		500.0432	9010
6	Cable support machine side cover small		500.0433	9010
6	Strain relief		500.0252	9010
6	Sealing cover		500.0431	9010
6	Lock ring ND 31		400.0987	9010
6	Cable support spring		500.0227	9010
6	Pan head screw M4x6	20 Pcs.	000.0552	9010
6	Screw cap 2	20 Pcs.	500.0362	9010
	<b>BCS-06 compatible G3/8"</b>			
7	BCS-06 connecting module		770.0573	2005
7	Rubber sleeve		511.0398	4001
	<b>BCS-07 compatible ZA 9-pole</b>			
8	BCS-07 connecting module		772.0509	2005
8	Distance ring		771.0502	9010
8	Connector		772.0505	2005
8	Cable support machine side large		500.0415	9010
8	Cable support machine side cover large		500.0416	9010
8	Strain relief		500.0252	9010
8	Sealing cover		500.0431	9010
8	Coupling nut M38x2		400.0137	9010
8	Cable support spring		500.0227	9010
8	Pan head screw M4x6	20 Pcs.	000.0552	9010
8	Screw cap 2	20 Pcs.	500.0362	9010
8	Adaptor nut		501.0127	9010
8	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
8	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
8	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-08 compatible M12x1</b>			
9	BCS-08 connecting module		771.0572	2005
9	Rubber sleeve		511.0398	4001
	<b>BCS-12 compatible 7/8"-14G UNF</b>			
10	BCS-12 connecting module		772.0586	2005
10	Rubber sleeve		511.0398	4001
	<b>BCS-15 compatible 9/16"-18G UNF</b>			
11	BCS-15 connecting module		771.0574	2005
11	Rubber sleeve		511.0398	4001
	<b>BCS-16 compatible 7/8"-14G UNF LH</b>			
12	BCS-16 connecting module		772.0587	2005
12	Rubber sleeve		511.0398	4001
	<b>BCS-17 compatible BSB 10-25</b>			
13	BCS-17 connecting module		772.0581	2005
13	Cable support machine side small		500.0432	9010
13	Cable support machine side cover small		500.0433	9010
13	Strain relief		500.0252	9010
13	Sealing cover		500.0431	9010
13	Lock ring ND 31		400.0987	9010
13	Cable support spring		500.0227	9010
13	Pan head screw M4x6	20 Pcs.	000.0552	9010
13	Screw cap 2	20 Pcs.	500.0362	9010
13	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
13	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010

## Connecting modules for ABITIG® GRIP / Little / -MT (liquid cooled)

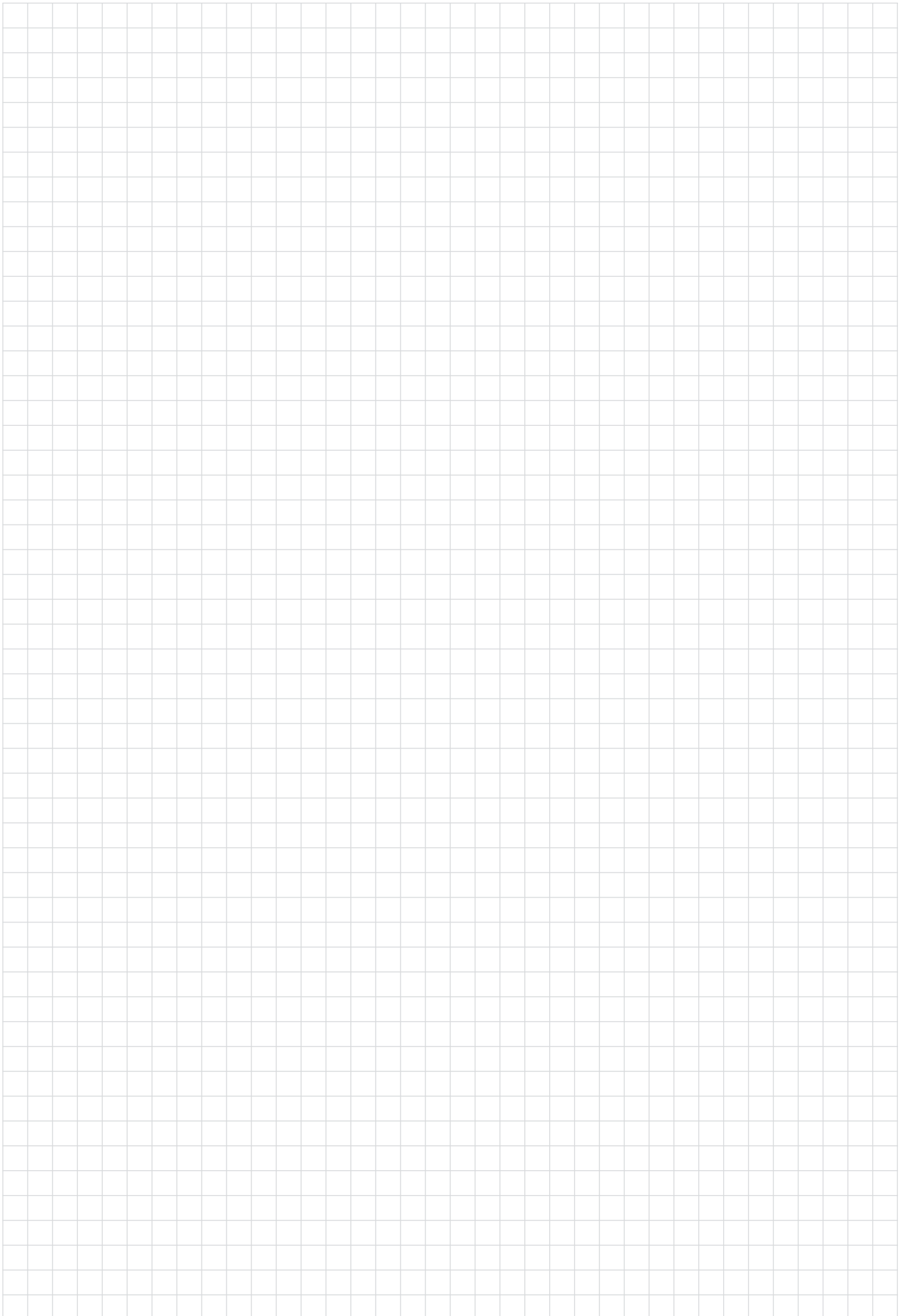
Pos.	Description	Units	Part-No.	Product-group
	<b>BCS-19 compatible Oerlikon</b>			
14	BCS-19 connecting module		773.0511	2005
14	Nipple		773.0519	2005
14	Adaptor nut		772.0597	2005
14	Cable support machine side small		500.0432	9010
14	Cable support machine side cover small		500.0433	9010
14	Strain relief		500.0252	9010
14	Sealing cover		500.0431	9010
14	Lock ring ND 31		400.0987	9010
14	Cable support spring		500.0227	9010
14	Pan head screw M4x6	20 Pcs.	000.0552	9010
14	Screw cap 2	20 Pcs.	500.0362	9010
14	Hose clamp Ø 5.7 mm with ring (mark 6.1)	20 Pcs.	173.0008	9010
	<b>BCS-20 compatible Dalex (Gas central NW 11)</b>			
15	BCS-20 connecting module		770.0523	2005
15	Cable support machine side small		500.0432	9010
15	Cable support machine side cover small		500.0433	9010
15	Strain relief		500.0252	9010
15	Sealing cover		500.0431	9010
15	Lock ring ND 31		400.0987	9010
15	Cable support spring		500.0227	9010
15	Pan head screw M4x6	20 Pcs.	000.0552	9010
15	Screw cap 2	20 Pcs.	500.0362	9010
15	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
15	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
15	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-21 compatible Dalex (Coolant return flow central NW 11)</b>			
16	BCS-21 connecting module		773.0534	2005
16	Cable support machine side small		500.0432	9010
16	Cable support machine side cover small		500.0433	9010
16	Strain relief		500.0252	9010
16	Sealing cover		500.0431	9010
16	Lock ring ND 31		400.0987	9010
16	Cable support spring		500.0227	9010
16	Pan head screw M4x6	20 Pcs.	000.0552	9010
16	Screw cap 2	20 Pcs.	500.0362	9010
	<b>BCS-22 compatible BSB 10-25</b>			
17	BCS-22 connecting module		771.0525	2005
17	Rubber sleeve		500.0272	9010
17	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
17	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
	<b>BCS-25 compatible Oerlikon (Gas central NW 12)</b>			
18	BCS-25 connecting module		773.0536	2005
18	Cable support machine side small		500.0432	9010
18	Cable support machine side cover small		500.0433	9010
18	Strain relief		500.0252	9010
18	Sealing cover		500.0431	9010
18	Lock ring ND 31		400.0987	9010
18	Cable support spring		500.0227	9010
18	Pan head screw M4x6	20 Pcs.	000.0552	9010
18	Screw cap 2	20 Pcs.	500.0362	9010
18	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
18	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
18	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-26 compatible Lincoln BSB 35-50 (Gas central)</b>			
19	BCS-26 connecting module		772.0516	2005

## Connecting modules for ABITIG® GRIP / Little / -MT (liquid cooled)

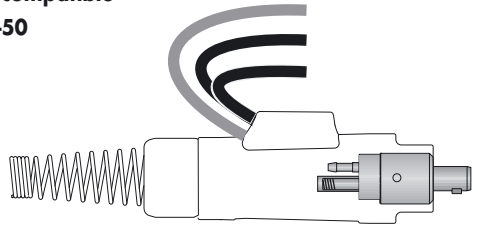
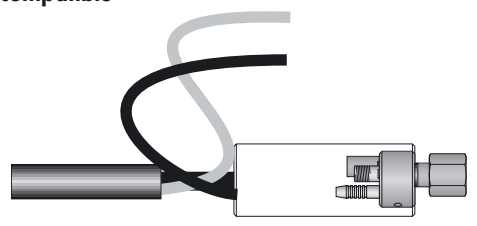
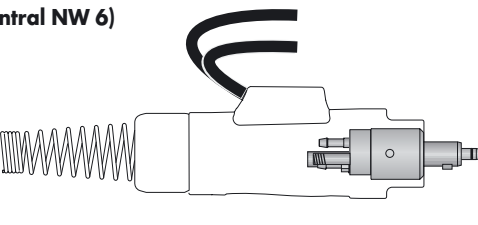
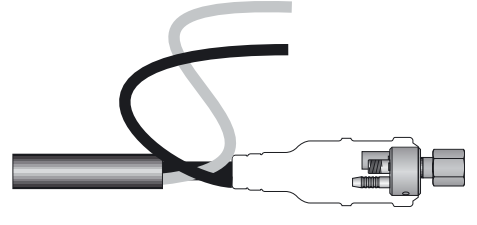
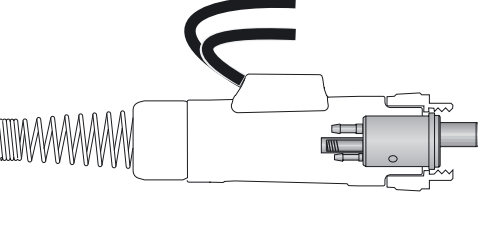
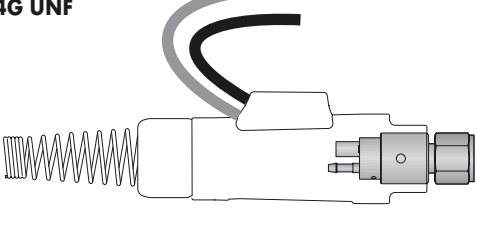
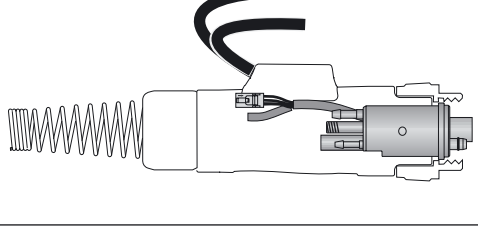
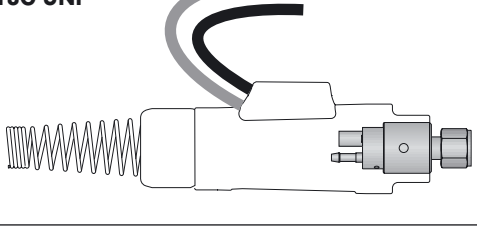
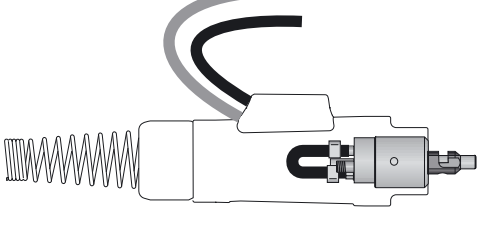
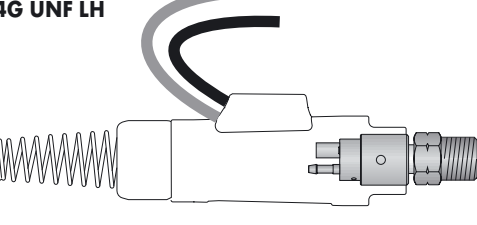
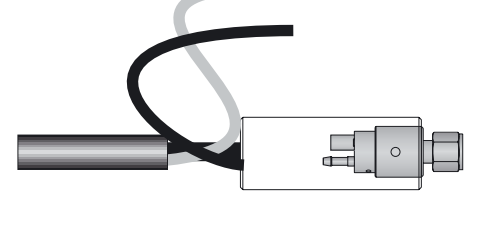
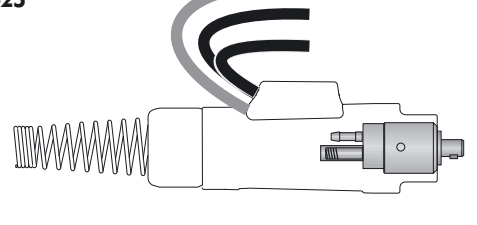
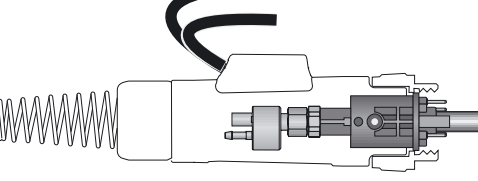
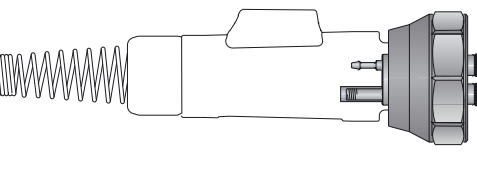
Pos.	Description	Units	Part-No.	Product-group
19	Cable support machine side small		500.0432	9010
19	Cable support machine side cover small		500.0433	9010
19	Strain relief		500.0252	9010
19	Sealing cover		500.0431	9010
19	Lock ring ND 31		400.0987	9010
19	Cable support spring		500.0227	9010
19	Pan head screw M4x6	20 Pcs.	000.0552	9010
19	Screw cap 2	20 Pcs.	500.0362	9010
19	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
19	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
19	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-27 compatible BSB 10-25</b>				
20	BCS-27 connecting module		770.0558	2005
20	Cable support machine side		770.0560	2005
20	Rounded countersunk head screw M4x6	20 Pcs.	009.0201	9010
20	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
20	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
20	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-33 compatible SAF (Gas central NW 12.2)</b>				
21	BCS-33 connecting module		773.0537	2005
21	Cable support machine side small		500.0432	9010
21	Cable support machine side cover small		500.0433	9010
21	Strain relief		500.0252	9010
21	Sealing cover		500.0431	9010
21	Lock ring ND 31		400.0987	9010
21	Cable support spring		500.0227	9010
21	Pan head screw M4x6	20 Pcs.	000.0552	9010
21	Screw cap 2	20 Pcs.	500.0362	9010
21	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
21	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
21	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-34 compatible WZ-2</b>				
22	BCS-34 connecting module		770.0577	2005
22	Cable support machine side small		500.0432	9010
22	Cable support machine side cover small		500.0433	9010
22	Strain relief		500.0252	9010
22	Sealing cover		500.0431	9010
22	Lock ring ND 31		400.0987	9010
22	Cable support spring		500.0227	9010
22	Pan head screw M4x6	20 Pcs.	000.0552	9010
22	Screw cap 1	20 Pcs.	500.0251	9010
22	Adaptor nut M33x2		500.0213	9010
22	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
22	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
22	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-35 compatible Kemppi (TTC Series)</b>				
23	BCS-35 connecting module		773.0558	2005
23	Cable support machine side		772.0519	2005
23	Rounded countersunk head screw M4x6	20 Pcs.	009.0201	9010
23	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
23	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
23	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-36 compatible Fronius (Gas central NW 10.4)</b>				
24	BCS-36 connecting module		770.0585	2005
24	Cable support machine side small		500.0432	9010
24	Cable support machine side cover small		500.0433	9010



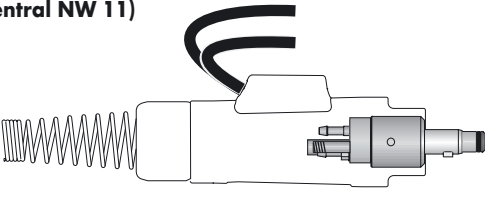
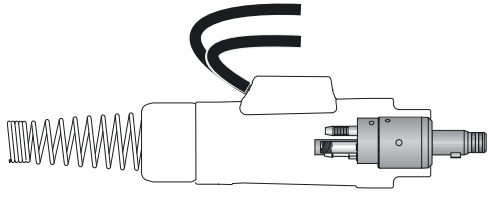
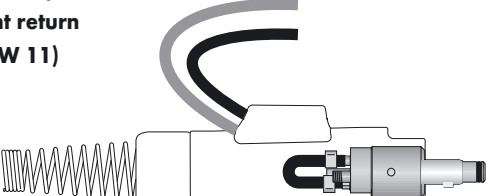
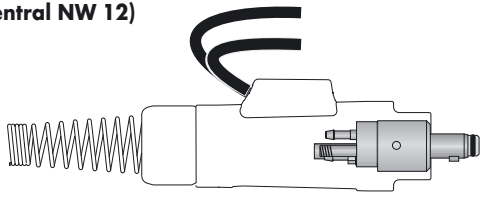
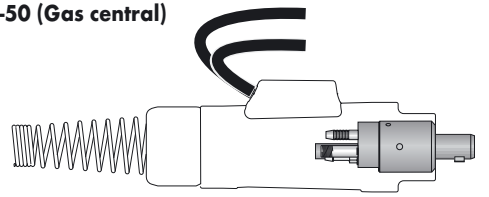
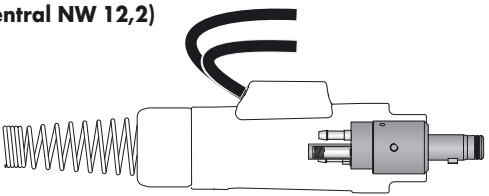
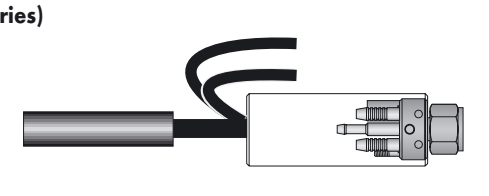
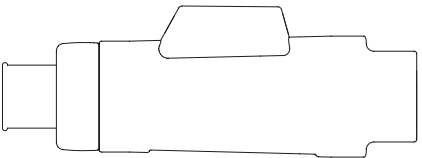
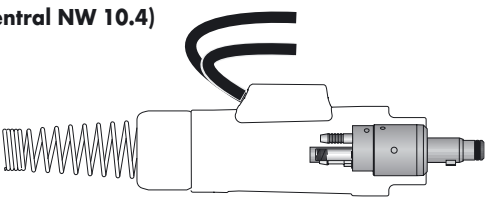




## Connecting modules for ABITIG® GRIP 260 W / 450 W / 450 W SC\*

<p><b>BCS-01 compatible</b> <b>BSB 35-50</b></p>  <p style="text-align: right;">①</p>	<p><b>BCS-08 compatible</b> <b>M12x1</b></p>  <p style="text-align: right;">⑧</p>
<p><b>BCS-02 compatible Lorch</b> <b>(Gas central NW 6)</b></p>  <p style="text-align: right;">②</p>	<p><b>BCS-10 compatible</b> <b>M12x1</b></p>  <p style="text-align: right;">⑨</p>
<p><b>BCS-03 compatible</b> <b>WZ-0</b></p>  <p style="text-align: right;">③</p>	<p><b>BCS-12 compatible</b> <b>7/8''-14G UNF</b></p>  <p style="text-align: right;">⑩</p>
<p><b>BCS-04 compatible</b> <b>WTW-5</b></p>  <p style="text-align: right;">④</p>	<p><b>BCS-15 compatible</b> <b>9/16''-18G UNF</b></p>  <p style="text-align: right;">⑪</p>
<p><b>BCS-05 compatible</b> <b>Cloos</b></p>  <p style="text-align: right;">⑤</p>	<p><b>BCS-16 compatible</b> <b>7/8''-14G UNF LH</b></p>  <p style="text-align: right;">⑫</p>
<p><b>BCS-06 compatible</b> <b>G3/8''</b></p>  <p style="text-align: right;">⑥</p>	<p><b>BCS-17 compatible</b> <b>BSB 10-25</b></p>  <p style="text-align: right;">⑬</p>
<p><b>BCS-07 compatible</b> <b>ZA 9-pole</b></p>  <p style="text-align: right;">⑦</p>	<p><b>BCS-19 compatible</b> <b>Oerlikon</b></p>  <p style="text-align: right;">⑭</p>

# Connecting modules for ABITIG® GRIP 260 W / 450 W / 450 W SC\*

<p><b>BCS-20 compatible Dalex (Gas central NW 11)</b></p>  <p style="text-align: right;">(15)</p>	<p><b>BCS-37 compatible Merkle</b></p>  <p style="text-align: right;">(22)</p>
<p><b>BCS-21 compatible Dalex (coolant return flow NW 11)</b></p>  <p style="text-align: right;">(16)</p>	
<p><b>BCS-25 compatible Oerlikon (Gas central NW 12)</b></p>  <p style="text-align: right;">(17)</p>	
<p><b>BCS-26 compatible Lincoln BSB 35-50 (Gas central)</b></p>  <p style="text-align: right;">(18)</p>	
<p><b>BCS-33 compatible SAF (Gas central NW 12,2)</b></p>  <p style="text-align: right;">(19)</p>	
<p><b>BCS-35 compatible Kempfi (TTC Series)</b></p>  <p style="text-align: right;">(20)</p>	<p><b>* ABITIG® GRIP 450 W SC</b></p>  <p style="text-align: right;">(99)</p>
<p><b>BCS-36 compatible Fronius (Gas central NW 10.4)</b></p>  <p style="text-align: right;">(21)</p>	<p><b>Please note for ABITIG® GRIP 450 W SC!</b> In opposition to ABITIG® GRIP 260 W and 450 W the components "strain relief" (500.0252) and "cable support spring" (500.0227) will be replaced by the "cable support" (500.0160).</p>

## Connecting modules for ABITIG® GRIP 260 W / 450 W / 450 W SC\*

Pos.	Description	Units	Part-No.	Product-group
<b>BCS-01 compatible BSB 35-50</b>				
1	BCS-01 connecting module		770.0502	2555
1	Cable support machine side small		500.0432	9010
1	Cable support machine side cover small		500.0433	9010
1	Strain relief		500.0252	9010
1	Sealing cover		500.0431	9010
1	Lock ring ND 31		400.0987	9010
1	Cable support spring		500.0227	9010
1	Pan head screw M4x6	20 Pcs.	000.0552	9010
1	Screw cap 2	20 Pcs.	500.0362	9010
1	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
1	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-02 compatible Lorch (Gas central NW 6)</b>				
2	BCS-02 connecting module		770.0501	2555
2	Cable support machine side small		500.0432	9010
2	Cable support machine side cover small		500.0433	9010
2	Strain relief		500.0252	9010
2	Sealing cover		500.0431	9010
2	Lock ring ND 31		400.0987	9010
2	Cable support spring		500.0227	9010
2	Pan head screw M4x6	20 Pcs.	000.0552	9010
2	Screw cap 2	20 Pcs.	500.0362	9010
2	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
2	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
2	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-03 compatible WZ-0</b>				
3	BCS-03 connecting module		770.0531	2555
3	Cable support machine side small		500.0432	9010
3	Cable support machine side cover small		500.0433	9010
3	Strain relief		500.0252	9010
3	Sealing cover		500.0431	9010
3	Lock ring ND 31		400.0987	9010
3	Cable support spring		500.0227	9010
3	Pan head screw M4x6	20 Pcs.	000.0552	9010
3	Screw cap 1	20 Pcs.	500.0251	9010
3	Adaptor nut M33x2		500.0213	9010
3	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
3	Hose clamp Ø 5.7 mm with ring (mark 6.1)	20 Pcs.	173.0008	9010
3	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-04 compatible WTW-5</b>				
4	BCS-04 connecting module		770.0541	2555
4	Cable support machine side small		500.0432	9010
4	Cable support machine side cover small		500.0433	9010
4	Strain relief		500.0252	9010
4	Sealing cover		500.0431	9010
4	Lock ring ND 31		400.0987	9010
4	Cable support spring		500.0227	9010
4	Pan head screw M4x6	20 Pcs.	000.0552	9010
4	Screw cap 1	20 Pcs.	500.0251	9010
4	Adaptor nut M33x2		500.0213	9010
4	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
4	Hose clamp Ø 5.7 mm with ring (mark 6.1)	20 Pcs.	173.0008	9010
4	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-05 compatible Cloos</b>				
5	BCS-05 connecting module		770.0561	2555
5	Cable support machine side small		500.0432	9010

## Connecting modules for ABITIG® GRIP 260 W / 450 W / 450 W SC\*

Pos.	Description	Units	Part-No.	Product-group
5	Cable support machine side cover small		500.0433	9010
5	Strain relief		500.0252	9010
5	Sealing cover		500.0431	9010
5	Lock ring ND 31		400.0987	9010
5	Cable support spring		500.0227	9010
5	Pan head screw M4x6	20 Pcs.	000.0552	9010
5	Screw cap 2	20 Pcs.	500.0362	9010
5	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-06 compatible G3/8"</b>				
6	BCS-06 connecting module		770.0571	2555
6	Cable support machine side		772.0543	2555
6	Rounded countersunk head screw M4x6	20 Pcs.	009.0201	9010
6	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
6	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-07 compatible ZA 9-pole</b>				
7	BCS-07 connecting module		772.0514	2555
7	Distance ring		771.0502	9010
7	Cable support machine side large		500.0415	9010
7	Cable support machine side cover large		500.0416	9010
7	Strain relief		500.0252	9010
7	Sealing cover		500.0431	9010
7	Coupling nut M38x2		400.0137	9010
7	Cable support spring		500.0227	9010
7	Pan head screw M4x6	20 Pcs.	000.0552	9010
7	Screw cap 2	20 Pcs.	500.0362	9010
7	Adaptor nut		501.0127	9010
7	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
7	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
7	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-08 compatible M12x1</b>				
8	BCS-08 / BCS-10 connecting module		772.0521	2555
8	Cable support machine side		772.0543	2555
8	Rounded countersunk head screw M4x6	20 Pcs.	009.0201	9010
8	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
8	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-10 compatible M12x1</b>				
9	BCS-08 / BCS-10 connecting module		772.0521	2555
9	Rubber sleeve		511.0398	4001
9	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
9	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-12 compatible 7/8"-14G UNF</b>				
10	BCS-12 connecting module		772.0531	2555
10	Cable support machine side small		500.0432	9010
10	Cable support machine side cover small		500.0433	9010
10	Strain relief		500.0252	9010
10	Sealing cover		500.0431	9010
10	Lock ring ND 31		400.0987	9010
10	Cable support spring		500.0227	9010
10	Pan head screw M4x6	20 Pcs.	000.0552	9010
10	Screw cap 2	20 Pcs.	500.0362	9010
10	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
10	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-15 compatible 9/16"-18G UNF</b>				
11	BCS-15 connecting module		772.0561	2555
11	Cable support machine side small		500.0432	9010

## Connecting modules for ABITIG® GRIP 260 W / 450 W / 450 W SC\*

Pos.	Description	Units	Part-No.	Product-group
11	Cable support machine side cover small		500.0433	9010
11	Strain relief		500.0252	9010
11	Sealing cover		500.0431	9010
11	Lock ring ND 31		400.0987	9010
11	Cable support spring		500.0227	9010
11	Pan head screw M4x6	20 Pcs.	000.0552	9010
11	Screw cap 2	20 Pcs.	500.0362	9010
11	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
11	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-16 compatible 7/8"-14G UNF LH</b>				
12	BCS-16 connecting module		772.0571	2555
12	Cable support machine side small		500.0432	9010
12	Cable support machine side cover small		500.0433	9010
12	Strain relief		500.0252	9010
12	Sealing cover		500.0431	9010
12	Lock ring ND 31		400.0987	9010
12	Cable support spring		500.0227	9010
12	Pan head screw M4x6	20 Pcs.	000.0552	9010
12	Screw cap 2	20 Pcs.	500.0362	9010
12	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
12	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-17 compatible BSB 10-25</b>				
13	BCS-17 connecting module		772.0582	2555
13	Cable support machine side small		500.0432	9010
13	Cable support machine side cover small		500.0433	9010
13	Strain relief		500.0252	9010
13	Sealing cover		500.0431	9010
13	Lock ring ND 31		400.0987	9010
13	Cable support spring		500.0227	9010
13	Pan head screw M4x6	20 Pcs.	000.0552	9010
13	Screw cap 2	20 Pcs.	500.0362	9010
13	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
13	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
<b>BCS-19 compatible Oerlikon</b>				
14	BCS-19 connecting module		772.0591	2555
14	Adaptor nut		772.0597	2005
14	Cable support machine side small		500.0432	9010
14	Cable support machine side cover small		500.0433	9010
14	Strain relief		500.0252	9010
14	Sealing cover		500.0431	9010
14	Lock ring ND 31		400.0987	9010
14	Cable support spring		500.0227	9010
14	Pan head screw M4x6	20 Pcs.	000.0552	9010
14	Screw cap 2	20 Pcs.	500.0362	9010
14	Hose clamp Ø 5.7 mm with ring (mark 6.1)	20 Pcs.	173.0008	9010
<b>BCS-20 compatible Dalex (Gas central NW 11)</b>				
15	BCS-20 connecting module		770.0521	2555
15	Cable support machine side small		500.0432	9010
15	Cable support machine side cover small		500.0433	9010
15	Strain relief		500.0252	9010
15	Sealing cover		500.0431	9010
15	Lock ring ND 31		400.0987	9010
15	Cable support spring		500.0227	9010
15	Pan head screw M4x6	20 Pcs.	000.0552	9010
15	Screw cap 2	20 Pcs.	500.0362	9010
15	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050

## Connecting modules for ABITIG® GRIP 260 W / 450 W / 450 W SC\*

Pos.	Description	Units	Part-No.	Product-group
15	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
15	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-21 compatible Dalex (Coolant return flow central NW 11)</b>			
16	BCS-21 connecting module		773.0531	2555
16	Cable support machine side small		500.0432	9010
16	Cable support machine side cover small		500.0433	9010
16	Strain relief		500.0252	9010
16	Sealing cover		500.0431	9010
16	Lock ring ND 31		400.0987	9010
16	Cable support spring		500.0227	9010
16	Pan head screw M4x6	20 Pcs.	000.0552	9010
16	Screw cap 2	20 Pcs.	500.0362	9010
16	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
16	Hose 13 black Ø 4.2x1.5	100 m	109.0023	4050
16	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-25 compatible Oerlikon (Gas central NW 12)</b>			
17	BCS-25 connecting module		773.0553	2555
17	Cable support machine side small		500.0432	9010
17	Cable support machine side cover small		500.0433	9010
17	Strain relief		500.0252	9010
17	Sealing cover		500.0431	9010
17	Lock ring ND 31		400.0987	9010
17	Cable support spring		500.0227	9010
17	Pan head screw M4x6	20 Pcs.	000.0552	9010
17	Screw cap 2	20 Pcs.	500.0362	9010
17	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
17	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
17	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-26 compatible Lincoln BSB 35-50 (Gas central)</b>			
18	BCS-26 connecting module		772.0515	2555
18	Cable support machine side small		500.0432	9010
18	Cable support machine side cover small		500.0433	9010
18	Strain relief		500.0252	9010
18	Sealing cover		500.0431	9010
18	Lock ring ND 31		400.0987	9010
18	Cable support spring		500.0227	9010
18	Pan head screw M4x6	20 Pcs.	000.0552	9010
18	Screw cap 2	20 Pcs.	500.0362	9010
18	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
18	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
18	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-33 compatible SAF (Gas central NW 12,2)</b>			
19	BCS-33 connecting module		773.0538	2555
19	Cable support machine side small		500.0432	9010
19	Cable support machine side cover small		500.0433	9010
19	Strain relief		500.0252	9010
19	Sealing cover		500.0431	9010
19	Lock ring ND 31		400.0987	9010
19	Cable support spring		500.0227	9010
19	Pan head screw M4x6	20 Pcs.	000.0552	9010
19	Screw cap 2	20 Pcs.	500.0362	9010
19	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
19	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
19	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
	<b>BCS-35 compatible Kempfi (TTC Series)</b>			
20	BCS-35 connecting module		773.0559	2555

## Connecting modules for ABITIG® GRIP 260 W / 450 W / 450 W SC \*

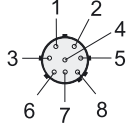
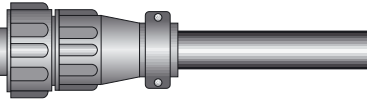
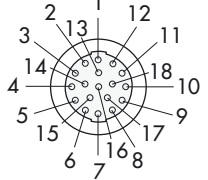
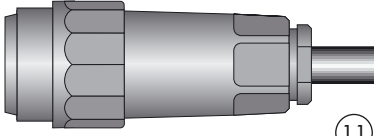
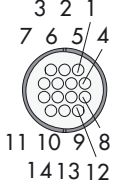
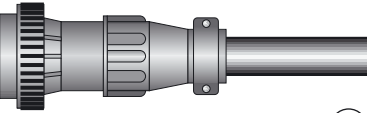
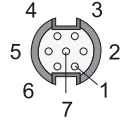
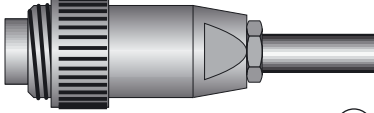
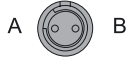
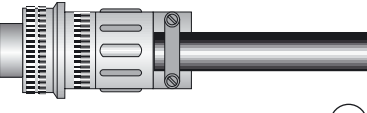
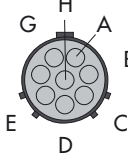
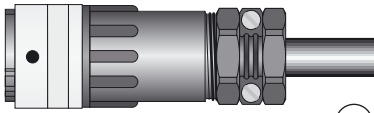

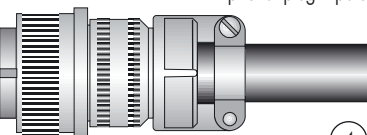
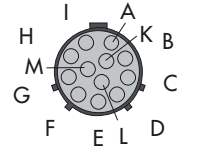
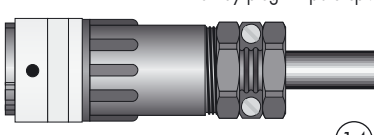
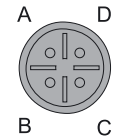
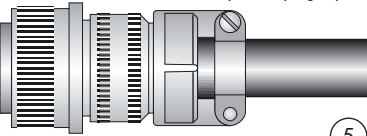
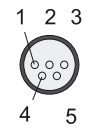
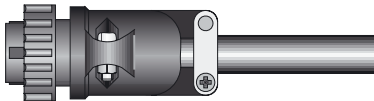
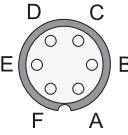
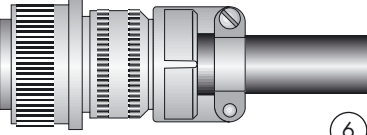
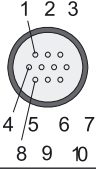
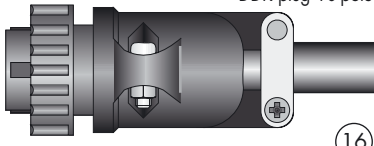
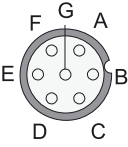
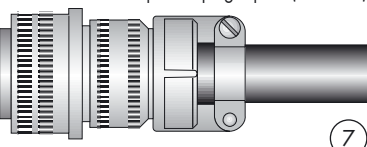

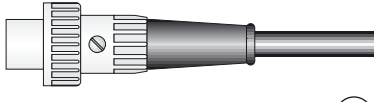
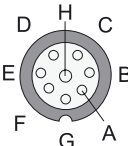
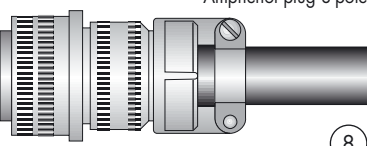
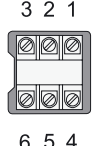
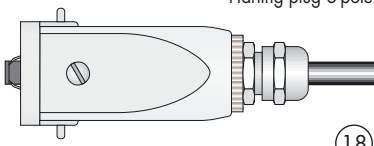
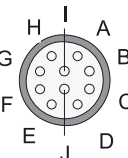
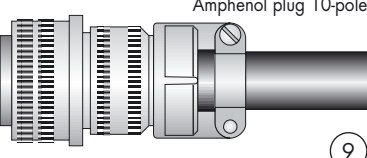

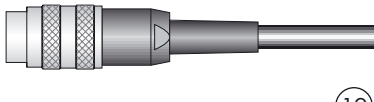
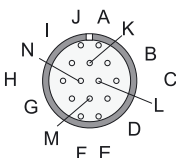
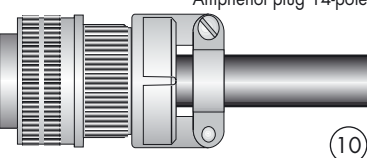
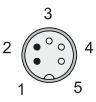
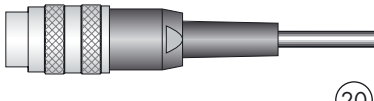
Pos.	Description	Units	Part-No.	Product-group
20	Cable support machine side		772.0519	2005
20	Rounded countersunk head screw M4x6	20 Pcs.	009.0201	9010
20	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
20	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
20	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-36 compatible Fronius (Gas central NW 10.4)</b>				
21	BCS-36 connecting module		770.0586	2555
21	Cable support machine side small		500.0432	9010
21	Cable support machine side cover small		500.0433	9010
21	Strain relief		500.0252	9010
21	Sealing cover		500.0431	9010
21	Lock ring ND 31		400.0987	9010
21	Cable support spring		500.0227	9010
21	Pan head screw M4x6	20 Pcs.	000.0552	9010
21	Screw cap 2	20 Pcs.	500.0362	9010
21	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
21	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
21	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>BCS-37 compatible Merkle</b>				
22	BCS-37 connecting module		770.0595	2555
22	Cable support machine side small		500.0432	9010
22	Cable support machine side cover small		500.0433	9010
22	Sealing cover		500.0431	9010
22	Lock ring ND 31		400.0987	9010
22	Strain relief		500.0252	9010
22	Cable support spring		500.0227	9010
22	Pan head screw M4x6	20 Pcs.	000.0552	9010
22	Screw cap 2	20 Pcs.	500.0362	9010
22	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
22	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
22	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
<b>Cable support for ABITIG® GRIP 450 W SC</b>				
99	Cable support		500.0160	9010



**Control line plugs *BLS***  
**adaptable for all common**  
**TIG Welding power sources**



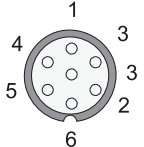
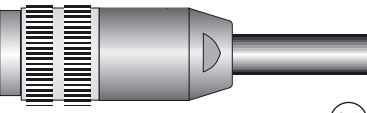
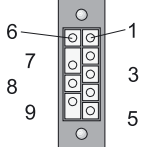
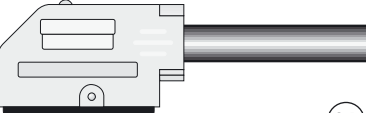


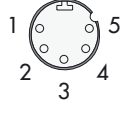
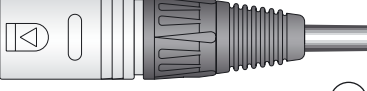

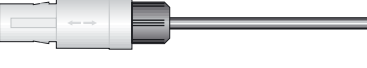
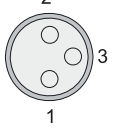
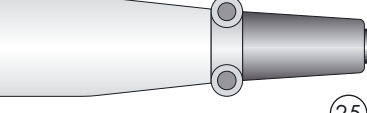
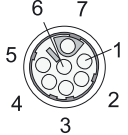
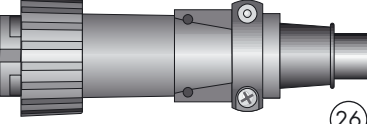
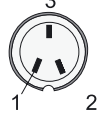
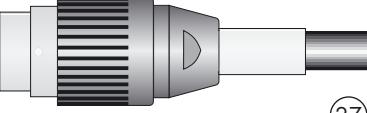

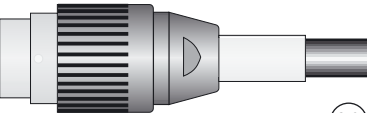
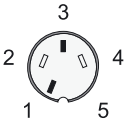
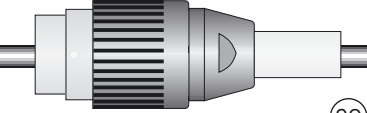
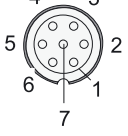
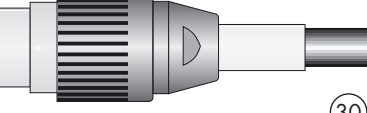
# Control line plugs

	<p>AMP plug 8-pole cpl.</p>  <p>①</p>		<p>Amphenol plug 18-pole cpl.</p>  <p>⑪</p>
	<p>AMP plug 14-pole cpl.</p>  <p>②</p>		<p>Binder plug 7-pole</p>  <p>⑫</p>
	<p>Amphenol plug 2-pole</p>  <p>③</p>		<p>Burndy plug 8-pole cpl.</p>  <p>⑬</p>
	<p>Amphenol plug 2-pole</p>  <p>④</p>		<p>Burndy plug 12-pole cpl.</p>  <p>⑭</p>
	<p>Amphenol plug 4-pole</p>  <p>⑤</p>		<p>DDK plug 5-pole</p>  <p>⑮</p>
	<p>Amphenol plug 6-pole</p>  <p>⑥</p>		<p>DDK plug 10-pole</p>  <p>⑯</p>
	<p>Amphenol plug 7-pole (Z-version)</p>  <p>⑦</p>		<p>Dioden plug 3-pole</p>  <p>⑰</p>
	<p>Amphenol plug 8-pole</p>  <p>⑧</p>		<p>Haring plug 6-pole</p>  <p>⑱</p>
	<p>Amphenol plug 10-pole</p>  <p>⑨</p>		<p>Cable plug 5-pole</p>  <p>⑲</p>
	<p>Amphenol plug 14-pole</p>  <p>⑩</p>		<p>Cable plug 5-pole</p>  <p>⑳</p>

# Control line plugs

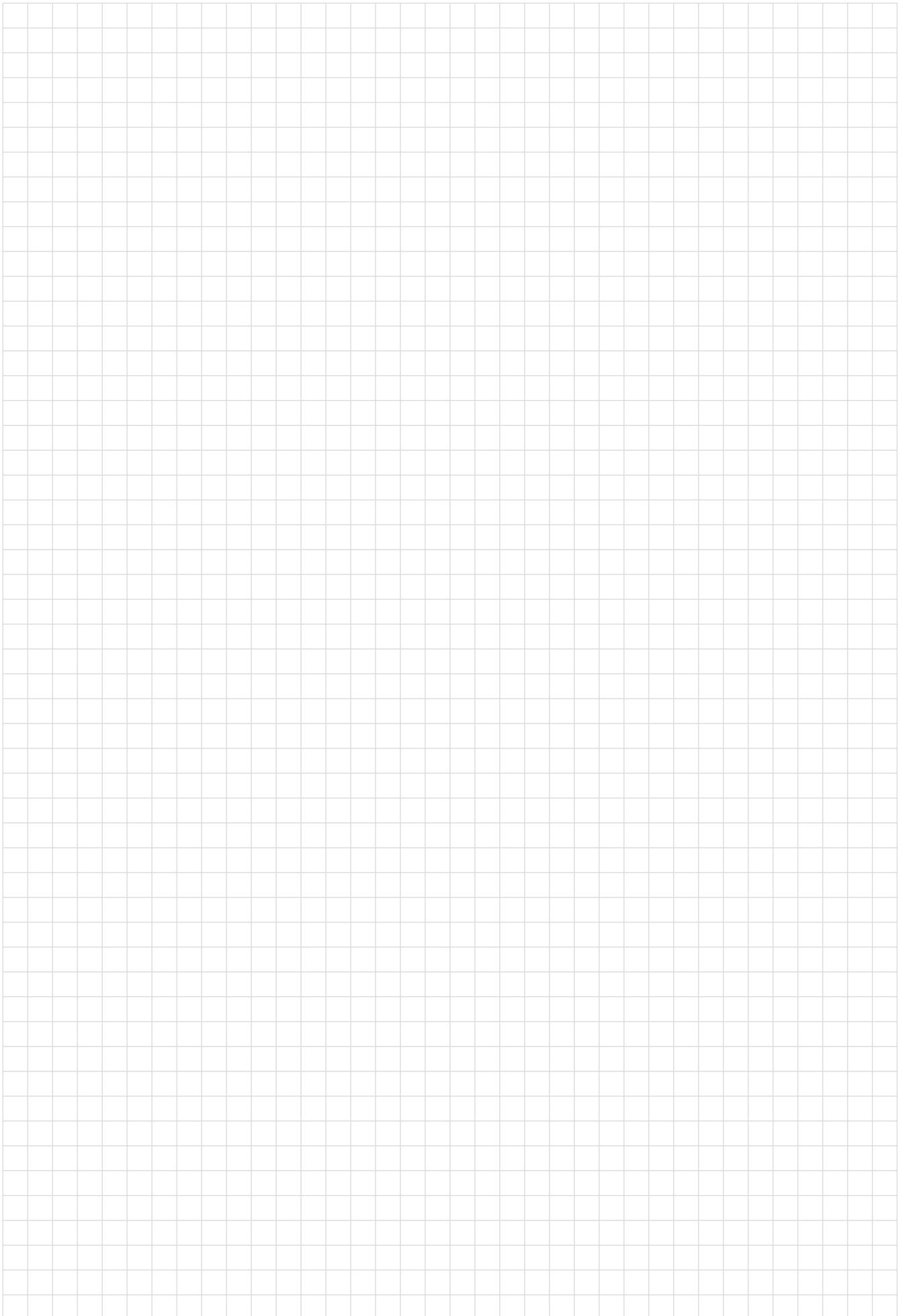
Pos.	Description	Units	Part-No.	Product-group
	<b>Control line plug</b>			
1	AMP plug 8-pole cpl.		175.0525.1	9010
2	AMP plug 14-pole cpl.		175.0404	9010
3	Amphenol plug 2-pole		175.0067	9010
4	Amphenol plug 2-pole		175.0127	9010
5	Amphenol plug 4-pole		175.0006	9010
6	Amphenol plug 6-pole		175.0005	9010
7	Amphenol plug 7-pole (Z-version)		175.0382	9010
8	Amphenol plug 8-pole		175.0247	9010
9	Amphenol plug 10-pole		175.0064	9010
10	Amphenol plug 14-pole		175.0129	9010
11	Amphenol plug 18-pole cpl.		175.0405	9010
12	Binder plug 7-pole		175.0155	9010
13	Burndy plug 8-pole cpl.		175.0406	9010
14	Burndy plug 12-pole cpl.		175.0407	9010
15	DDK plug 5-pole		175.0343	9010
16	DDK plug 10-pole		175.0344	9010
17	Dioden plug 3-pole		175.0290	9010
18	Harting plug 6-pole		175.0301	9010
19	Cable plug 5-pole		175.0063	9010
20	Cable plug 5-pole		175.0102	9010

# Control line plugs

	<p>Cable plug 7-pole</p>  <p>(21)</p>		<p>Tüchel plug 9-pole</p>  <p>(31)</p>
	<p>Klinken plug 3-pole</p>  <p>(22)</p>		
	<p>Neutrik plug 5-pole</p>  <p>(23)</p>		
	<p>Redel plug 2-pole</p>  <p>(24)</p>		
	<p>Round plug connector 3-pole</p>  <p>(25)</p>		
	<p>Plug 7-pole</p>  <p>(26)</p>		
	<p>Tüchel plug 3-pole</p>  <p>(27)</p>		
	<p>Tüchel plug 5-pole</p>  <p>(28)</p>		
	<p>Tüchel plug 5-pole (screwed)</p>  <p>(29)</p>		
	<p>Tüchel plug 7-pole</p>  <p>(30)</p>		



## Notes



**Hose connection  
components *BHC*  
machine-side connections  
air and liquid cooled**



## Hose connections

Pos.	Description	Units	Part-No.	Product-group
	<b>Plug nipple</b>			
w/o. fig.	Plug nipple ND 2.7	10 Pcs.	501.0126	9010
w/o. fig.	Plug nipple ND 2.7 (migatronc)	10 Pcs.	501.2223	9010
w/o. fig.	Plug nipple NW 5	20 Pcs.	501.2165	9010
w/o. fig.	Plug nipple NW 5 (Dalex)		501.2251	9010
w/o. fig.	Plug nipple ND 7.2	10 Pcs.	501.2230	9010
	<b>Coupling nut</b>			
w/o. fig.	Coupling nut G 1/8"	10 Pcs.	710.0014	9010
w/o. fig.	Coupling nut G 1/4"	10 Pcs.	500.0082	9010
w/o. fig.	Coupling nut G 1/4" (Esseti)	10 Pcs.	500.0364	9010
w/o. fig.	Coupling nut G 3/8"	10 Pcs.	500.0081	9010
w/o. fig.	Coupling nut 9/16"-18G UNF	10 Pcs.	500.0106	9010
w/o. fig.	Coupling nut 5/8"-18G	10 Pcs.	500.0162	9010
w/o. fig.	Coupling nut M10x1	10 Pcs.	400.0046	9010
w/o. fig.	Coupling nut M12x1	10 Pcs.	500.0110	9010
	<b>Inverted nut</b>			
w/o. fig.	Inverted nut 5/8"-18G	10 Pcs.	500.0121	9010
w/o. fig.	Inverted nut 5/8"-18G l.h.	10 Pcs.	500.0122	9010
	<b>Hose connector</b>			
w/o. fig.	Hose connector for G 1/8"	10 Pcs.	717.0016	2005
w/o. fig.	Hose connector G 1/8" / M10x1	10 Pcs.	500.0136	9010
w/o. fig.	Hose connector for G 1/4"	10 Pcs.	500.0247	9010
w/o. fig.	Hose connector for G 3/8"	10 Pcs.	500.0248	9010
w/o. fig.	Hose connector for 9/16"-18G UNF	10 Pcs.	500.0203	9010
w/o. fig.	Hose connector for 5/8"-18G	10 Pcs.	500.0317	9010
w/o. fig.	Hose connector for M12x1	10 Pcs.	500.0112	9010
	<b>Quick coupling</b>			
w/o. fig.	Quick coupling ND 5		177.0007	1092
	<b>Code colour ring</b>			
w/o. fig.	Code colour ring red	20 Pcs.	501.2166	9010
w/o. fig.	Code colour ring blue	20 Pcs.	501.2167	9010
	<b>Hose clamp</b>			
w/o. fig.	Hose clamp Ø 5.7 mm with ring (mark 6.1)	20 Pcs.	173.0008	9010
w/o. fig.	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
w/o. fig.	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
w/o. fig.	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	173.0005	9010
w/o. fig.	Hose clamp Ø 9.0 mm with ring (mark 9.5)	20 Pcs.	173.0001	9010



# TIG Welding Torches

## ABITIG® with rotary valve air cooled

- Rotary valve for regulating gas directly on the torch body
- Light and flexible cable assemblies for all salable TIG Welding power sources
- Consumables compatible to the international standard



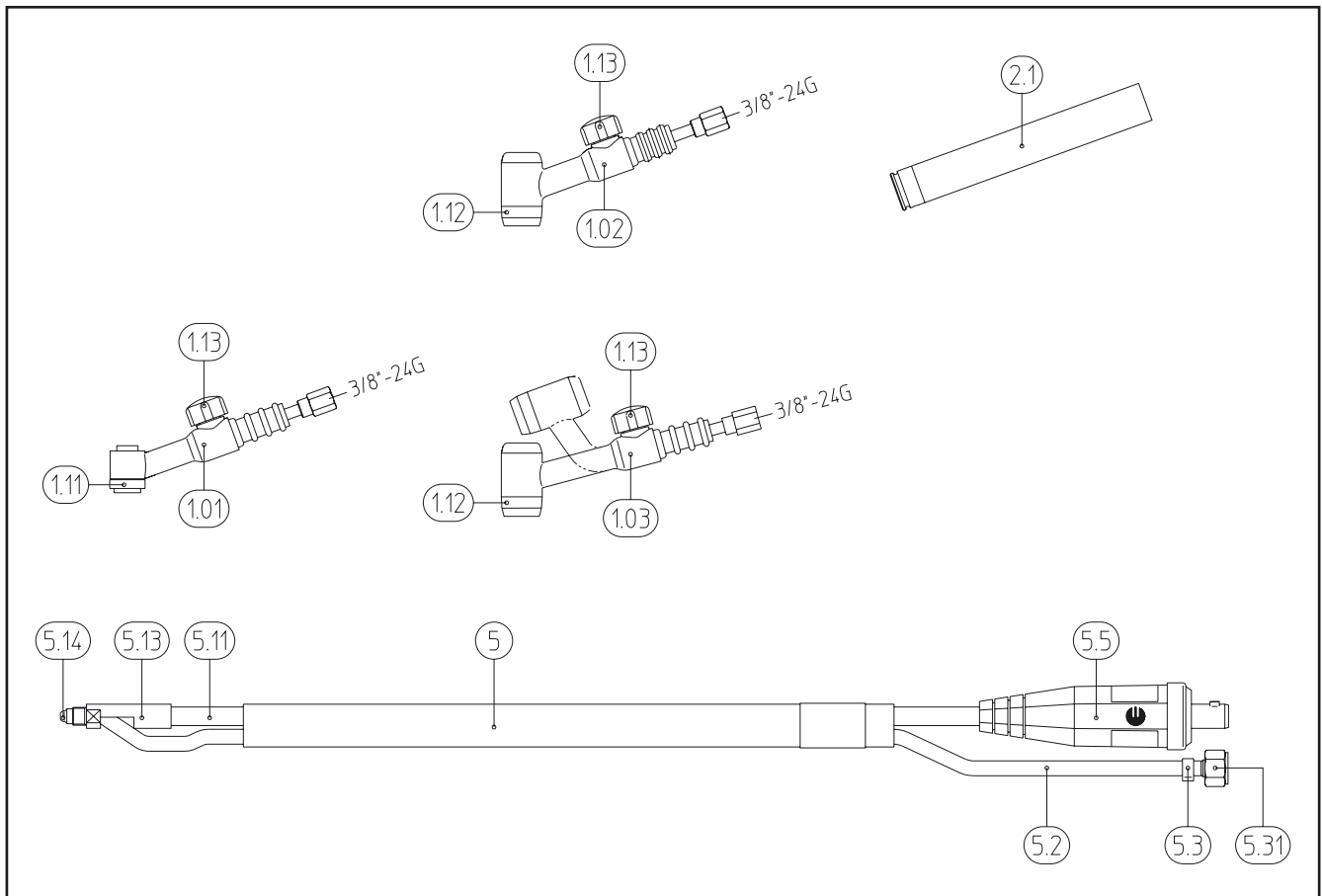
Technical data  
(EN 60 974-7)

### TIG Welding Torches "ABITIG®" with rotary valve (air cooled)

Type	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
	DC	AC		
<b>ABITIG® 9 V</b>	110	80	35	0.5 - 1.6
<b>ABITIG® 17 V / 17 FV</b>	140	100	35	0.5 - 2.4
<b>ABITIG® 26 V / 26 FV</b>	180	130	35	0.5 - 4.0

F=Flexible. Subject to change without notice.

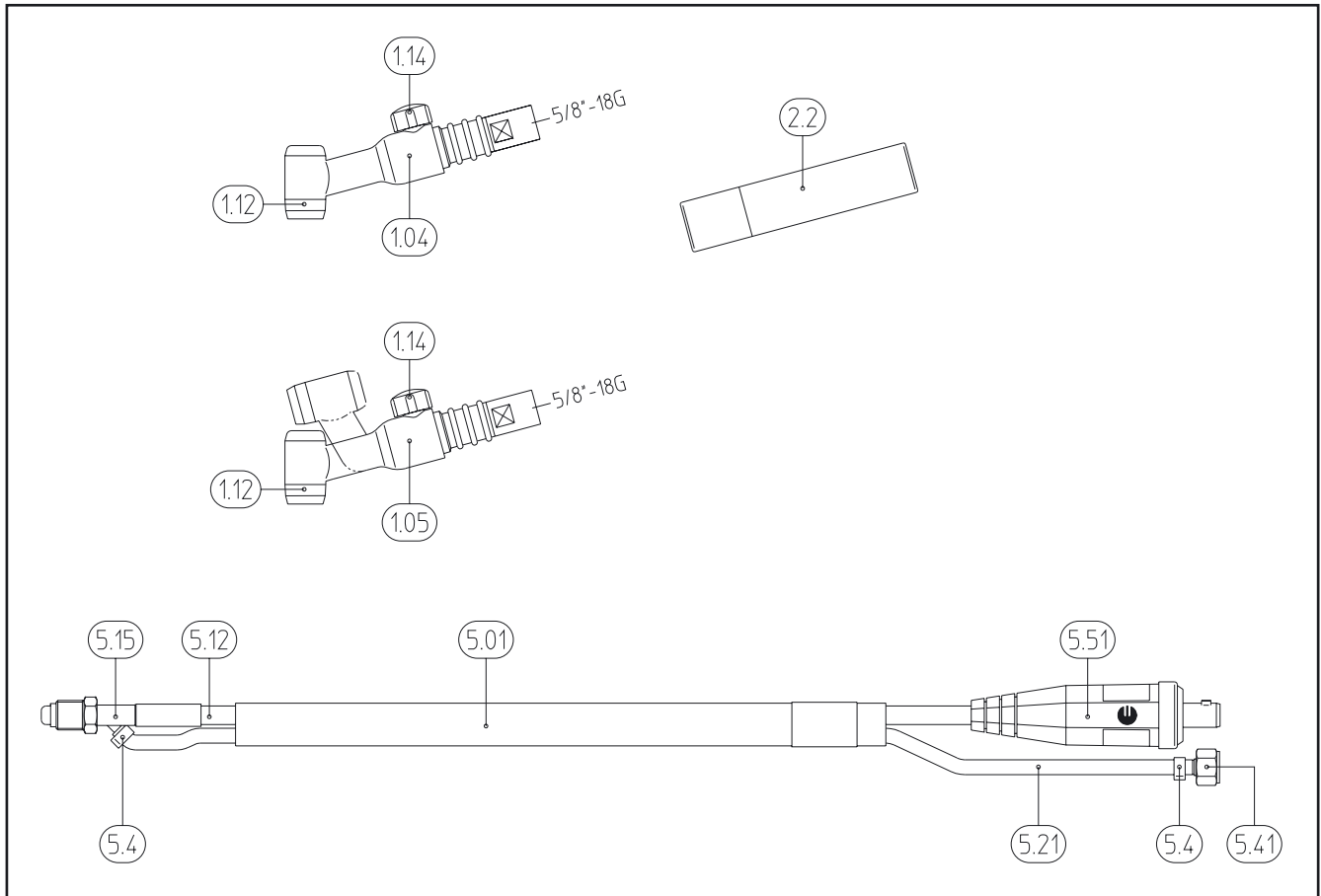
# TIG Welding Torches ABITIG® 9 V / 17 V / 17 FV with rotary valve



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABITIG® 9 V; with valve; plug 10-25; 4.00 m long		706.5057	2012
	ABITIG® 9 V; with valve; plug 10-25; 8.00 m long		706.5058	2012
	ABITIG® 17 V; with valve; plug 10-25; 4.00 m long		706.1057	2012
	ABITIG® 17 V; with valve; plug 10-25; 8.00 m long		706.1058	2012
	ABITIG® 17 V; with valve; plug 35-50; 4.00 m long		706.1037	2012
	ABITIG® 17 V; with valve; plug 35-50; 8.00 m long		706.1038	2012
	ABITIG® 17 FV; with valve; plug 10-25; 4.00 m long		706.1157	2012
	ABITIG® 17 FV; with valve; plug 10-25; 8.00 m long		706.1158	2012
	ABITIG® 17 FV; with valve; plug 35-50; 4.00 m long		706.1137	2012
	ABITIG® 17 FV; with valve; plug 35-50; 8.00 m long		706.1138	2012
<b>Torch body</b>				
1.01	Torch body ABITIG® 9 V; 60.0 mm long		705.0007	2002
1.02	Torch body ABITIG® 17 V; 65.0 mm long		705.0038	2002
1.03	Torch body ABITIG® 17 FV (flexible); 80.0 mm long		703.0010	2002
1.11	Insulating ring	10 Pcs.	702.0055	2003
1.12	Insulating ring	10 Pcs.	703.0012	2003
1.13	Valve ABITIG® 9 V / 17 V / 17 FV		705.0046	2005
<b>Handle</b>				
2.1	Handle tube ABITIG® 9 V / ABITIG® 17 V / ABITIG® 17 FV		705.1440	2005
<b>Cable assembly</b>				
5	Outer cover rubber Ø 20x1.5	40 m	105.0005	4050
5.11	Power cable type 16 for 4.00 m		118.0042	2005
5.11	Power cable type 16 for 8.00 m		118.0043	2005
5.13	Hose connector for 3/8"-24G		717.0015	2005
5.14	Powerfitting 3/8"-24G		717.0014	2005
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.3	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010



# TIG Welding Torches ABITIG® 26 V / 26 FV with rotary valve



Pos.	Description	Units	Part-No.	Product-group
<b>Torch</b>				
	ABITIG® 26 V; with valve; plug 35-50; 4.00 m long		706.4037	2012
	ABITIG® 26 V; with valve; plug 35-50; 8.00 m long		706.4038	2012
	ABITIG® 26 FV; with valve; plug 35-50; 4.00 m long		706.4137	2012
	ABITIG® 26 FV; with valve; plug 35-50; 8.00 m long		706.4138	2012
<b>Torch body</b>				
1.04	Torch body ABITIG® 26 V; 80.0 mm long		705.0091	2002
1.05	Torch body ABITIG® 26 FV (flexible); 80.0 mm long		703.0290	2002
1.12	Insulating ring	10 Pcs.	703.0012	2003
1.14	Valve ABITIG® 26 V / 26 FV		705.0097	2005
<b>Handle</b>				
2.2	Handle tube		705.0096	2005
<b>Cable assembly</b>				
5.01	Outer cover rubber Ø 25x1.25	40 m	105.0019	4050
5.12	Power cable type 35 for 4.00 m; with welding cable plug ABI-CM 35-50		118.0019	2005
5.12	Power cable type 35 for 8.00 m; with welding cable plug ABI-CM 35-50		118.0021	2005
5.15	Cable support 5/8"-18G		726.0002	2005
5.21	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050
5.4	Hose clamp Ø 9.0 mm with ring (mark 9.5)	20 Pcs.	173.0001	9010
5.41	Coupling nut G 1/4"	10 Pcs.	500.0082	9010
5.41	Hose connector G 1/4"	10 Pcs.	500.0087	9010
5.51	Welding cable plug ABI-CM 35-50		511.0315	4002

# TIG Automatic Welding Torches

## ABITIG®-MT

### air and liquid cooled

- Compact design
- Light and flexible cable assemblies for all common TIG Welding power sources
- ABITIG® 200 MT / 300 W MT with pre-adjustable tungsten electrode
- Especially suitable for welds at components with simple geometries

ABITIG® 150 MT

ABITIG® 300 W MT

■ Adjustable tungsten electrode

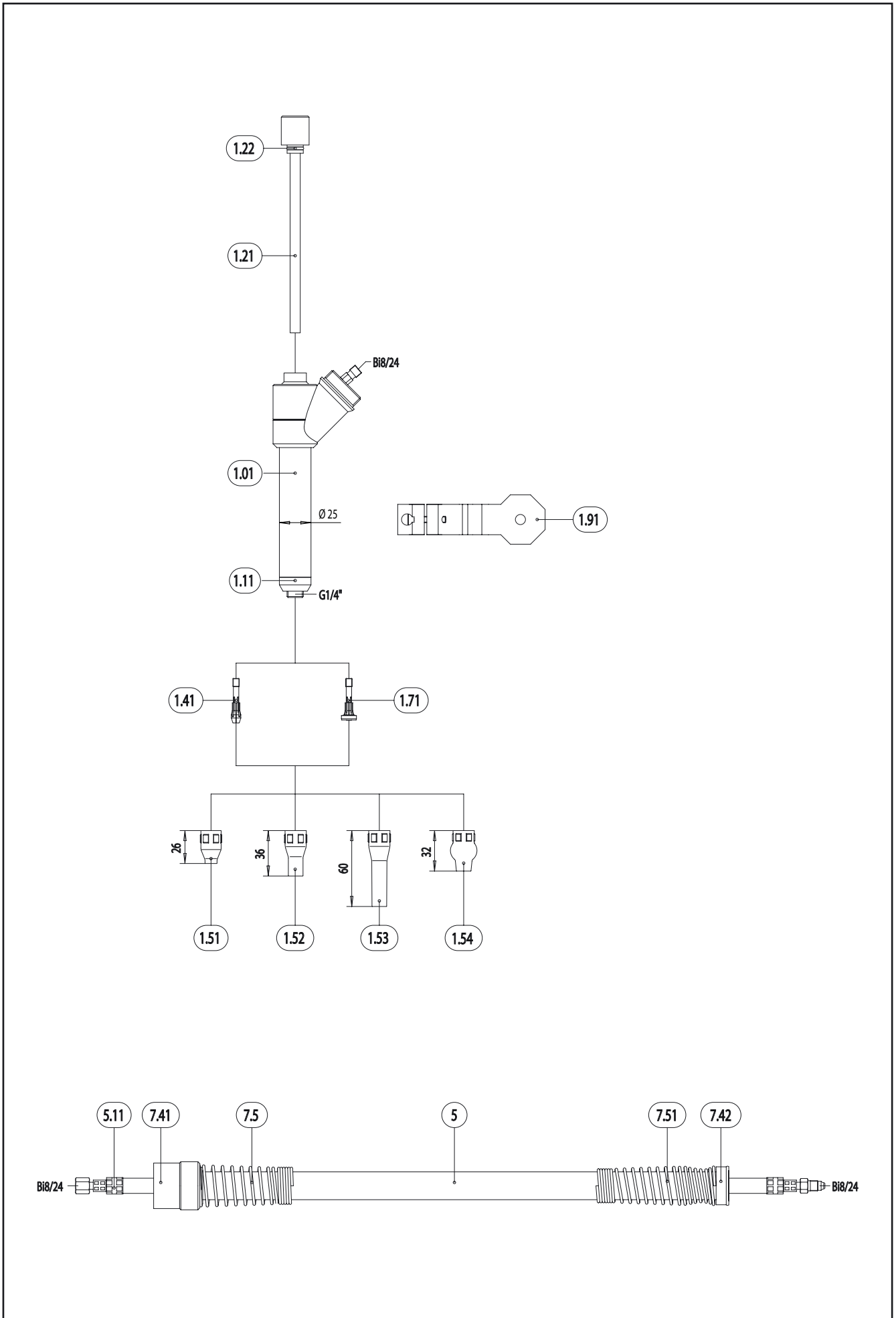
Technical data  
(EN 60 974-7)

#### TIG Automatic Welding Torches "ABITIG®-MT" (air and liquid cooled)

Type	Cooling	Rating (A)		Duty cycle (%)	Tungsten electrode-Ø (mm)
		DC	AC		
ABITIG® 150 MT	air cooled	150	110	60	1.0 - 3.2
ABITIG® 200 MT	air cooled	200	140	60	1.6 - 4.0
ABITIG® 260 W MT	liquid cooled	260	180	100	1.0 - 3.2
ABITIG® 300 W MT	liquid cooled	300	210	100	1.6 - 4.8
ABITIG® 400 W MT	liquid cooled	400	280	100	1.6 - 4.8
ABITIG® 500 W MT	liquid cooled	500	350	100	1.6 - 6.4

Subject to change without notice.

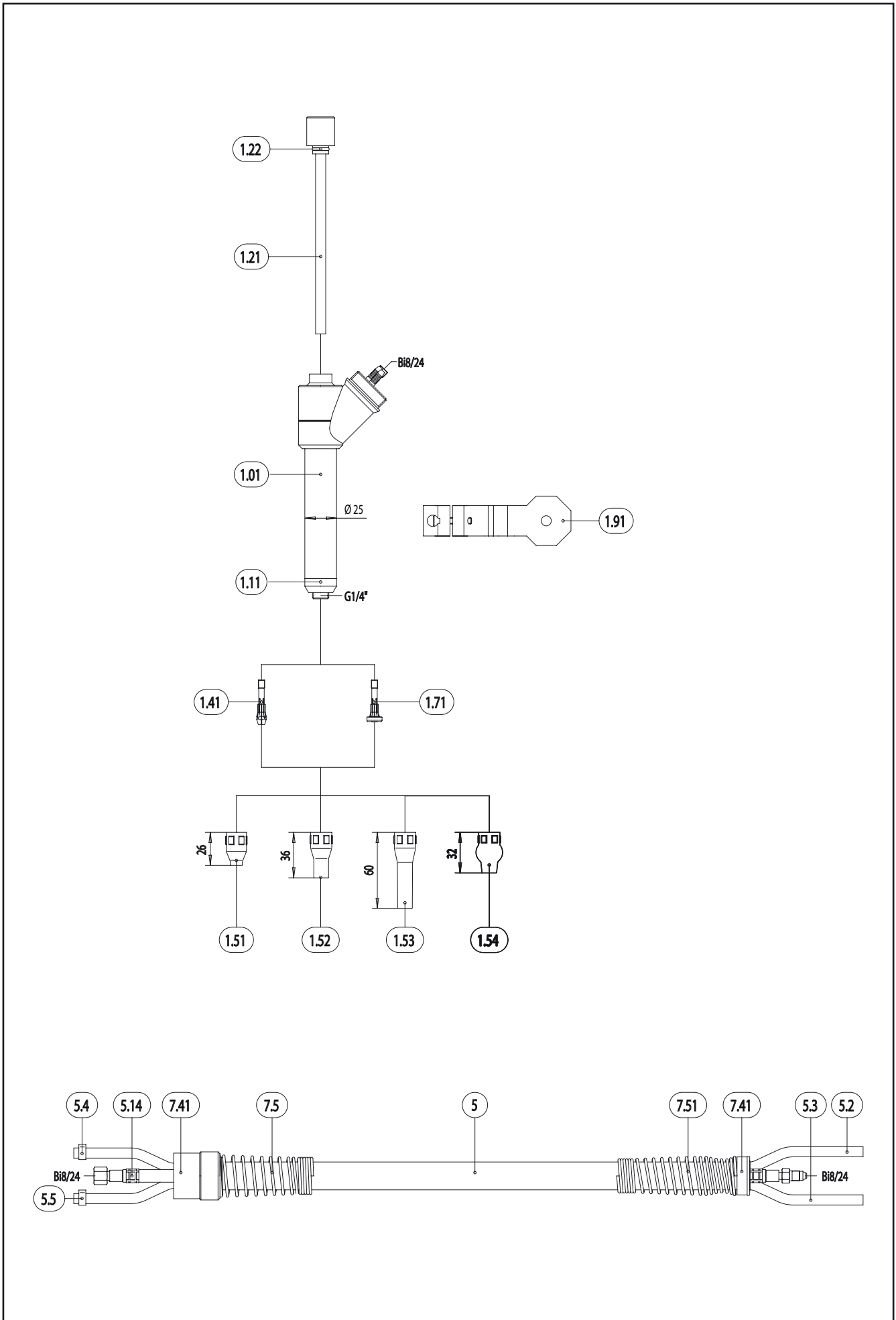
# TIG Automatic Welding Torches ABITIG® 150 MT



## TIG Automatic Welding Torches ABITIG® 150 MT

Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.01	Torch body ABITIG® 150 MT		778.1020	2532
1.11	Insulator		779.1043	2555
1.21	Guide tube cpl. ABITIG® 150 MT / ABITIG® 260 W MT		779.1030	2555
1.22	O-Ring 9x2	20 Pcs.	165.0030	9010
<b>Wear parts</b>				
1.41	Electrode holder for electrode WE Ø 1.0 mm	5 Pcs.	776.0061	2548
1.41	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	776.0062	2548
1.41	Electrode holder for electrode WE Ø 2.0 mm	5 Pcs.	776.0067	2548
1.41	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	776.0063	2548
1.41	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	776.0064	2548
1.51	Ceramic gas nozzle 26 mm; ND 6.5 mm	10 Pcs.	777.0081	2541
1.51	Ceramic gas nozzle 26 mm; ND 8.0 mm	10 Pcs.	777.0082	2541
1.51	Ceramic gas nozzle 26 mm; ND 9.5 mm	10 Pcs.	777.0083	2541
1.51	Ceramic gas nozzle 26 mm; ND 11.0 mm	10 Pcs.	777.0084	2541
1.52	Ceramic gas nozzle 36 mm; ND 6.5 mm	10 Pcs.	777.2171	2541
1.52	Ceramic gas nozzle 36 mm; ND 8.0 mm	10 Pcs.	777.2172	2541
1.52	Ceramic gas nozzle 36 mm; ND 9.5 mm	10 Pcs.	777.2173	2541
1.52	Ceramic gas nozzle 36 mm; ND 11.0 mm	10 Pcs.	777.2174	2541
1.53	Ceramic gas nozzle 60 mm; ND 6.5 mm	10 Pcs.	777.2175	2541
1.53	Ceramic gas nozzle 60 mm; ND 8.0 mm	10 Pcs.	777.2176	2541
1.54	Ceramic gas nozzle 32 mm; ND 6.5 mm	10 Pcs.	770.0081.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 8.0 mm	10 Pcs.	770.0082.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 9.5 mm	10 Pcs.	770.0083.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 11.0 mm	10 Pcs.	770.0084.10	2541
1.71	Gas diffuser for electrode WE-Ø 1.0 mm		776.0171	2548
1.71	Gas diffuser for electrode WE-Ø 1.6 mm		776.0172	2548
1.71	Gas diffuser for electrode WE-Ø 2.0 mm		776.0177	2548
1.71	Gas diffuser for electrode WE-Ø 2.4 mm		776.0173	2548
1.71	Gas diffuser for electrode WE-Ø 3.2 mm		776.0174	2548
<b>Accessories</b>				
1.91	Torch mount MT-25		780.0222	2555
<b>Cable assembly</b>				
5	Hose 9 black Ø 18.2x1.25	60 m	109.0019	4050
5.11	Power cable High Flex (ABITIG® MT) for 4.00 m		150.0175	2555
7.41	Strain relief ERGO		400.0412	9010
7.42	Strain relief		500.0252	9010
7.5	Cable support spring		775.1341	2555
7.51	Cable support spring		500.0226	9010

# TIG Automatic Welding Torches ABITIG® 200 MT

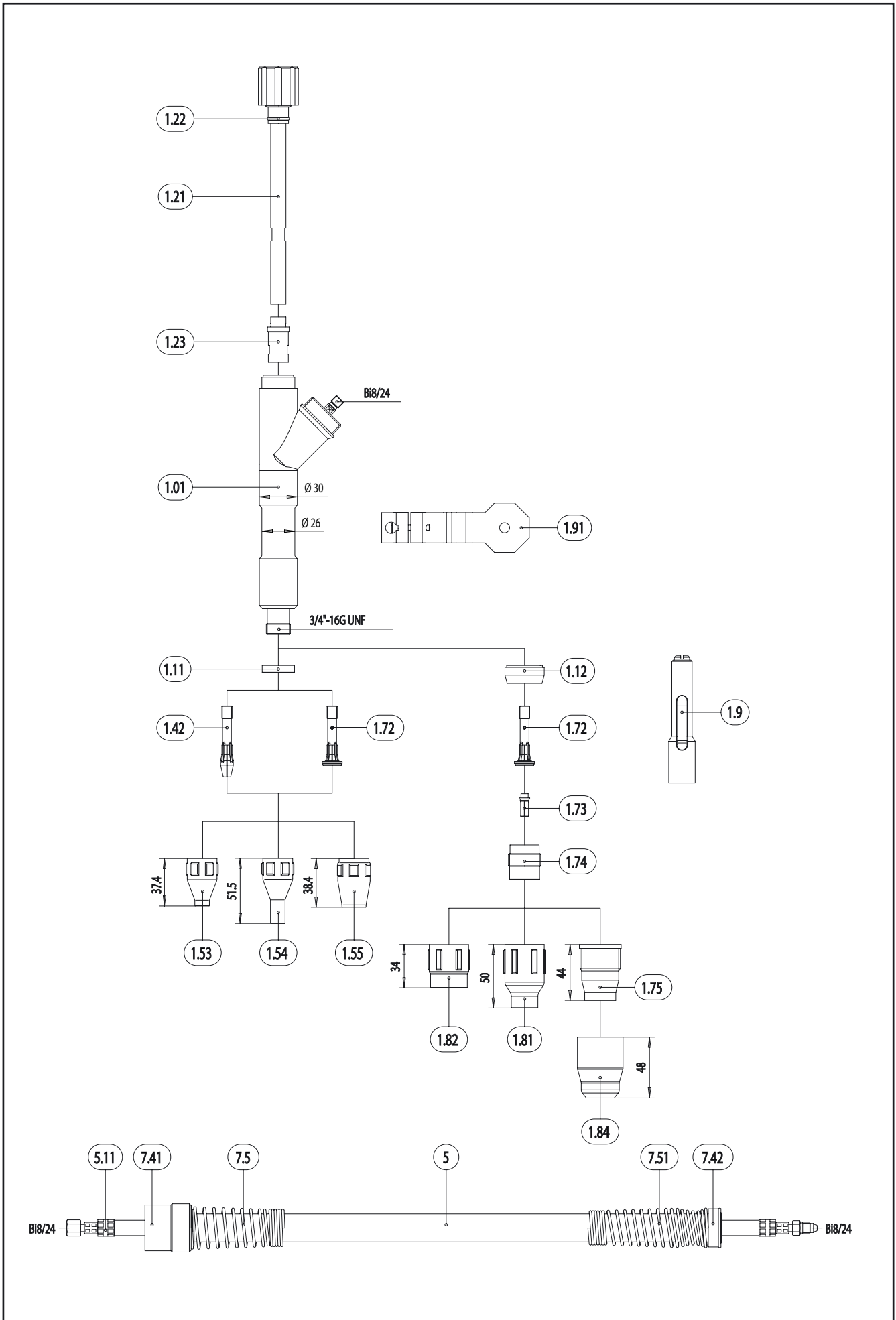




## TIG Automatic Welding Torches ABITIG® 200 MT

Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.01	Torch body ABITIG® 200 MT		778.2020	2532
1.11	Insulator		775.1043	2555
1.12	Insulator for gas diffusor 4		775.1143	2555
1.21	Guide tube cpl. ABITIG® 200 MT / ABITIG® 300 W MT		778.1030	2555
1.22	O-Ring 13.46x2.08	20 Pcs.	165.0079	9010
1.23	Collet		778.1140	2555
<b>Wear parts</b>				
1.42	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	775.0062	2548
1.42	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	775.0063	2548
1.42	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	775.0064	2548
1.42	Electrode holder for electrode WE Ø 4.0 mm	5 Pcs.	775.0065	2548
1.42	Electrode holder for electrode WE Ø 4.8 mm	5 Pcs.	775.0066	2548
1.53	Ceramic gas nozzle 37.4 mm; ND 7.5 mm	10 Pcs.	775.0081	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 10.5 mm	10 Pcs.	775.0082	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 13.0 mm	10 Pcs.	775.0083	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 15.0 mm	10 Pcs.	775.0084	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 7.5 mm	10 Pcs.	775.2171	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 10.0 mm	10 Pcs.	775.2172	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 13.0 mm	10 Pcs.	775.2173	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 16.0 mm	10 Pcs.	775.2174	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 13.0 mm (reenforced)	10 Pcs.	775.0183	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 15.0 mm (reenforced)	10 Pcs.	775.0184	2541
1.72	Gas diffuser for electrode WE-Ø 1.0 mm		773.0171	2548
1.72	Gas diffuser for electrode WE-Ø 1.6 mm		773.0172	2548
1.72	Gas diffuser for electrode WE-Ø 2.4 mm		773.0173	2548
1.72	Gas diffuser for electrode WE-Ø 3.2 mm		773.0174	2548
1.72	Gas diffuser for electrode WE-Ø 4.0 mm		773.0175	2548
1.72	Gas diffuser for electrode WE-Ø 4.8 mm		773.0176	2548
1.73	Adaptor part WE-Ø 1.6 mm		778.1142	2555
1.73	Adaptor part WE-Ø 2.4 mm		778.1143	2555
1.73	Adaptor part WE-Ø 3.2 mm		778.1144	2555
1.73	Adaptor part WE-Ø 4.0 mm		778.1145	2555
1.73	Adaptor part WE-Ø 4.8 mm		778.1146	2555
1.74	Gas diffuser 4-MT for electrode WE-Ø 1.6 - 4.8 mm		778.1148	2548
w/o. fig.	Sieve		778.1109	2555
w/o. fig.	Retaining ring		775.0108	2555
1.75	Ceramic adaptor		778.1185	2541
1.81	Ceramic gas nozzle 50 mm; ND 12.5 mm	10 Pcs.	778.1183	2541
1.81	Ceramic gas nozzle 50 mm; ND 16.0 mm	10 Pcs.	778.1184	2541
1.81	Ceramic gas nozzle 50 mm; ND 19.5 mm	10 Pcs.	778.1188	2541
1.82	Ceramic gas nozzle 34 mm; ND 24.0 mm	10 Pcs.	778.1189	2541
1.84	Gas nozzle metal 48 mm; ND 16.0 mm		778.1186	2541
1.84	Gas nozzle metal 48 mm; ND 19.0 mm		778.1187	2541
<b>Accessories</b>				
1.9	Alignment jig ABITIG® MT		778.1157	2555
1.91	Torch mount MT-26		780.0258	5207
1.91	Torch mount MT-30		780.0145	5207
<b>Cable assembly</b>				
5	Hose 9 black Ø 18.2x1.25	60 m	109.0019	4050
5.11	Power cable High Flex (ABITIG® MT) for 4.00 m		150.0175	2555
7.41	Strain relief ERGO		400.0412	9010
7.42	Strain relief		500.0252	9010
7.5	Cable support spring		775.1341	2555
7.51	Cable support spring		500.0226	9010

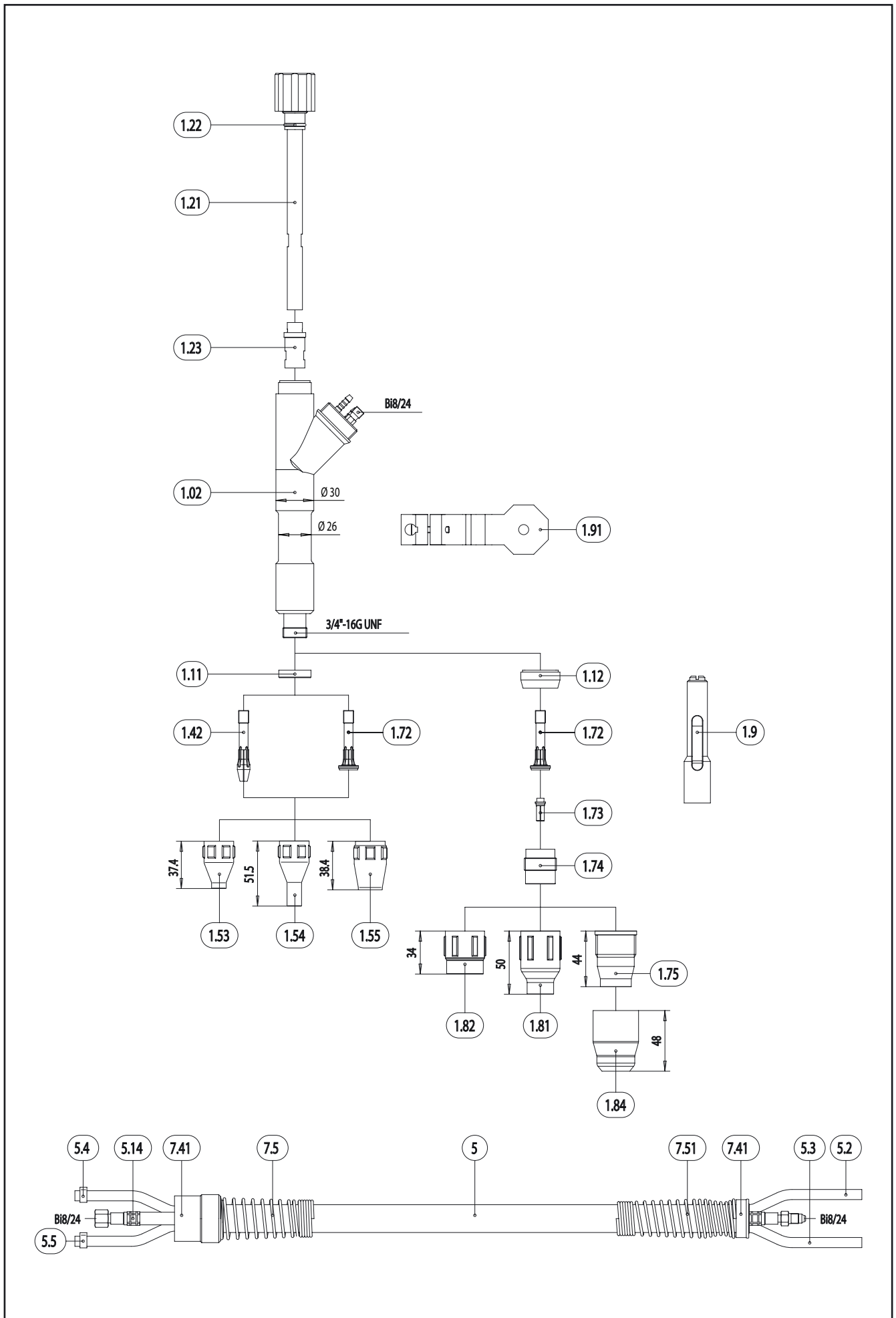
# TIG Automatic Welding Torches ABITIG® 260 W MT



## TIG Automatic Welding Torches ABITIG® 260 W MT

Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.02	Torch body ABITIG® 260 W MT		779.1020	2532
1.11	Insulator		779.1043	2555
1.21	Guide tube cpl. ABITIG® 150 MT / ABITIG® 260 W MT		779.1030	2555
1.22	O-Ring 9x2	20 Pcs.	165.0030	9010
<b>Wear parts</b>				
1.41	Electrode holder for electrode WE Ø 1.0 mm	5 Pcs.	776.0061	2548
1.41	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	776.0062	2548
1.41	Electrode holder for electrode WE Ø 2.0 mm	5 Pcs.	776.0067	2548
1.41	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	776.0063	2548
1.41	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	776.0064	2548
1.51	Ceramic gas nozzle 26 mm; ND 6.5 mm	10 Pcs.	777.0081	2541
1.51	Ceramic gas nozzle 26 mm; ND 8.0 mm	10 Pcs.	777.0082	2541
1.51	Ceramic gas nozzle 26 mm; ND 9.5 mm	10 Pcs.	777.0083	2541
1.51	Ceramic gas nozzle 26 mm; ND 11.0 mm	10 Pcs.	777.0084	2541
1.52	Ceramic gas nozzle 36 mm; ND 6.5 mm	10 Pcs.	777.2171	2541
1.52	Ceramic gas nozzle 36 mm; ND 8.0 mm	10 Pcs.	777.2172	2541
1.52	Ceramic gas nozzle 36 mm; ND 9.5 mm	10 Pcs.	777.2173	2541
1.52	Ceramic gas nozzle 36 mm; ND 11.0 mm	10 Pcs.	777.2174	2541
1.53	Ceramic gas nozzle 60 mm; ND 6.5 mm	10 Pcs.	777.2175	2541
1.53	Ceramic gas nozzle 60 mm; ND 8.0 mm	10 Pcs.	777.2176	2541
1.54	Ceramic gas nozzle 32 mm; ND 6.5 mm	10 Pcs.	770.0081.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 8.0 mm	10 Pcs.	770.0082.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 9.5 mm	10 Pcs.	770.0083.10	2541
1.54	Ceramic gas nozzle 32 mm; ND 11.0 mm	10 Pcs.	770.0084.10	2541
1.71	Gas diffuser for electrode WE-Ø 1.0 mm		776.0171	2548
1.71	Gas diffuser for electrode WE-Ø 1.6 mm		776.0172	2548
1.71	Gas diffuser for electrode WE-Ø 2.0 mm		776.0177	2548
1.71	Gas diffuser for electrode WE-Ø 2.4 mm		776.0173	2548
1.71	Gas diffuser for electrode WE-Ø 3.2 mm		776.0174	2548
<b>Accessories</b>				
1.91	Torch mount MT-25		780.0222	2555
<b>Cable assembly</b>				
5	Hose 10 black Ø 22x1.25	40 m	109.0020	4050
5.14	Power cable High Flex (ABITIG® MT) for 4.00 m		150.0175	2555
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.3	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
5.4	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
5.5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
7.41	Strain relief		400.0413	9010
7.5	Cable support spring		775.1341	2555
7.51	Cable support spring		500.0227	9010

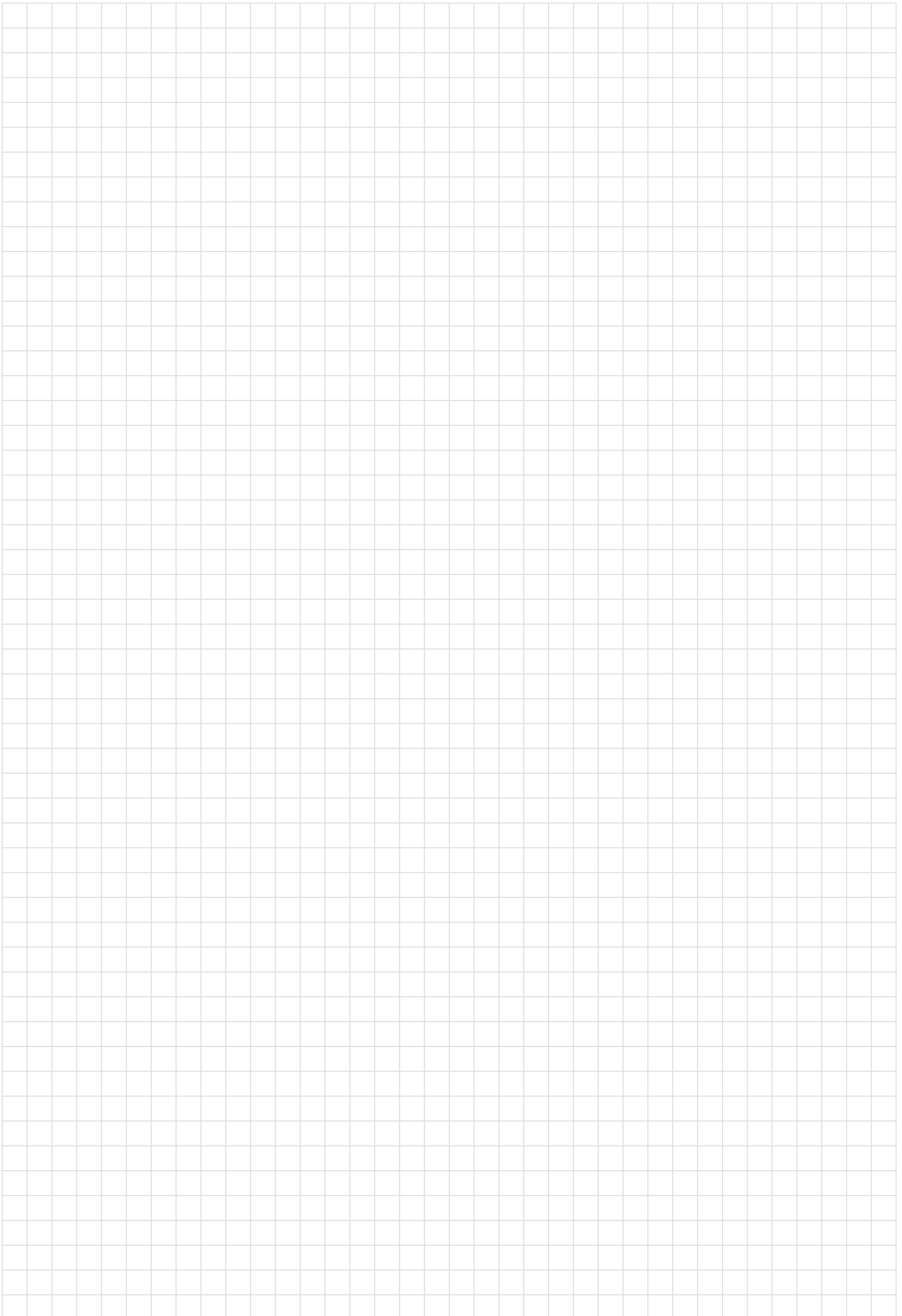
# TIG Automatic Welding Torches ABITIG® 300 W MT



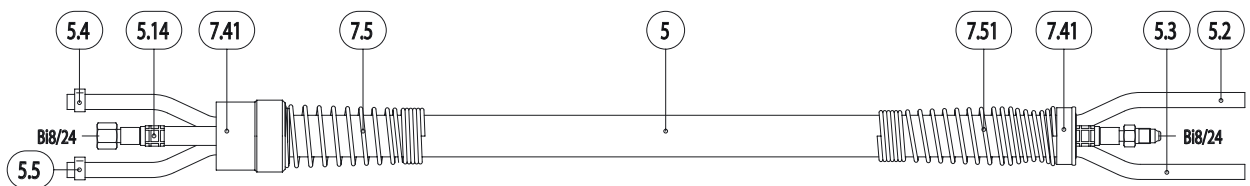
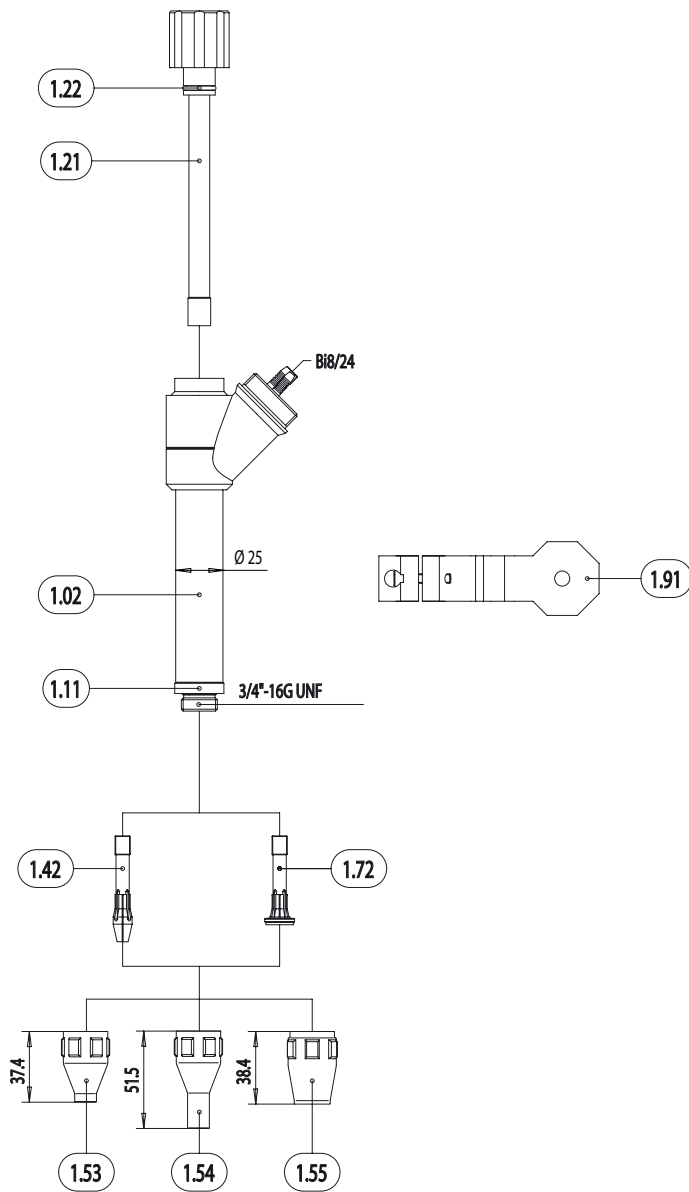
## TIG Automatic Welding Torches ABITIG® 300 W MT

Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.02	Torch body ABITIG® 300 W MT		779.2020	2532
1.11	Insulator		775.1043	2555
1.12	Insulator for gas diffusor 4		775.1143	2555
1.21	Guide tube cpl. ABITIG® 200 MT / ABITIG® 300 W MT		778.1030	2555
1.22	O-Ring 13.46x2.08	20 Pcs.	165.0079	9010
1.23	Collet		778.1140	2555
<b>Wear parts</b>				
1.42	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	775.0062	2548
1.42	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	775.0063	2548
1.42	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	775.0064	2548
1.42	Electrode holder for electrode WE Ø 4.0 mm	5 Pcs.	775.0065	2548
1.42	Electrode holder for electrode WE Ø 4.8 mm	5 Pcs.	775.0066	2548
1.53	Ceramic gas nozzle 37.4 mm; ND 7.5 mm	10 Pcs.	775.0081	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 10.5 mm	10 Pcs.	775.0082	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 13.0 mm	10 Pcs.	775.0083	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 15.0 mm	10 Pcs.	775.0084	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 7.5 mm	10 Pcs.	775.2171	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 10.0 mm	10 Pcs.	775.2172	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 13.0 mm	10 Pcs.	775.2173	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 16.0 mm	10 Pcs.	775.2174	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 13.0 mm (reenforced)	10 Pcs.	775.0183	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 15.0 mm (reenforced)	10 Pcs.	775.0184	2541
1.72	Gas diffuser for electrode WE-Ø 1.0 mm		773.0171	2548
1.72	Gas diffuser for electrode WE-Ø 1.6 mm		773.0172	2548
1.72	Gas diffuser for electrode WE-Ø 2.4 mm		773.0173	2548
1.72	Gas diffuser for electrode WE-Ø 3.2 mm		773.0174	2548
1.72	Gas diffuser for electrode WE-Ø 4.0 mm		773.0175	2548
1.72	Gas diffuser for electrode WE-Ø 4.8 mm		773.0176	2548
1.73	Adaptor part WE-Ø 1.6 mm		778.1142	2555
1.73	Adaptor part WE-Ø 2.4 mm		778.1143	2555
1.73	Adaptor part WE-Ø 3.2 mm		778.1144	2555
1.73	Adaptor part WE-Ø 4.0 mm		778.1145	2555
1.73	Adaptor part WE-Ø 4.8 mm		778.1146	2555
1.74	Gas diffuser 4-MT for electrode WE-Ø 1.6 - 4.8 mm		778.1148	2548
w/o. fig.	Sieve		778.1109	2555
w/o. fig.	Retaining ring		775.0108	2555
1.75	Ceramic adaptor		778.1185	2541
1.81	Ceramic gas nozzle 50 mm; ND 12.5 mm	10 Pcs.	778.1183	2541
1.81	Ceramic gas nozzle 50 mm; ND 16.0 mm	10 Pcs.	778.1184	2541
1.81	Ceramic gas nozzle 50 mm; ND 19.5 mm	10 Pcs.	778.1188	2541
1.82	Ceramic gas nozzle 34 mm; ND 24.0 mm	10 Pcs.	778.1189	2541
1.84	Gas nozzle metal 48 mm; ND 16.0 mm		778.1186	2541
1.84	Gas nozzle metal 48 mm; ND 19.0 mm		778.1187	2541
<b>Accessories</b>				
1.9	Alignment jig ABITIG® MT		778.1157	2555
1.91	Torch mount MT-26		780.0258	5207
1.91	Torch mount MT-30		780.0145	5207
<b>Cable assembly</b>				
5	Hose 10 black Ø 22x1.25	40 m	109.0020	4050
5.14	Power cable High Flex (ABITIG® MT) for 4.00 m		150.0175	2555
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.3	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
5.4	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
5.5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
7.41	Strain relief		400.0413	9010





# TIG Automatic Welding Torches ABITIG® 400 W MT

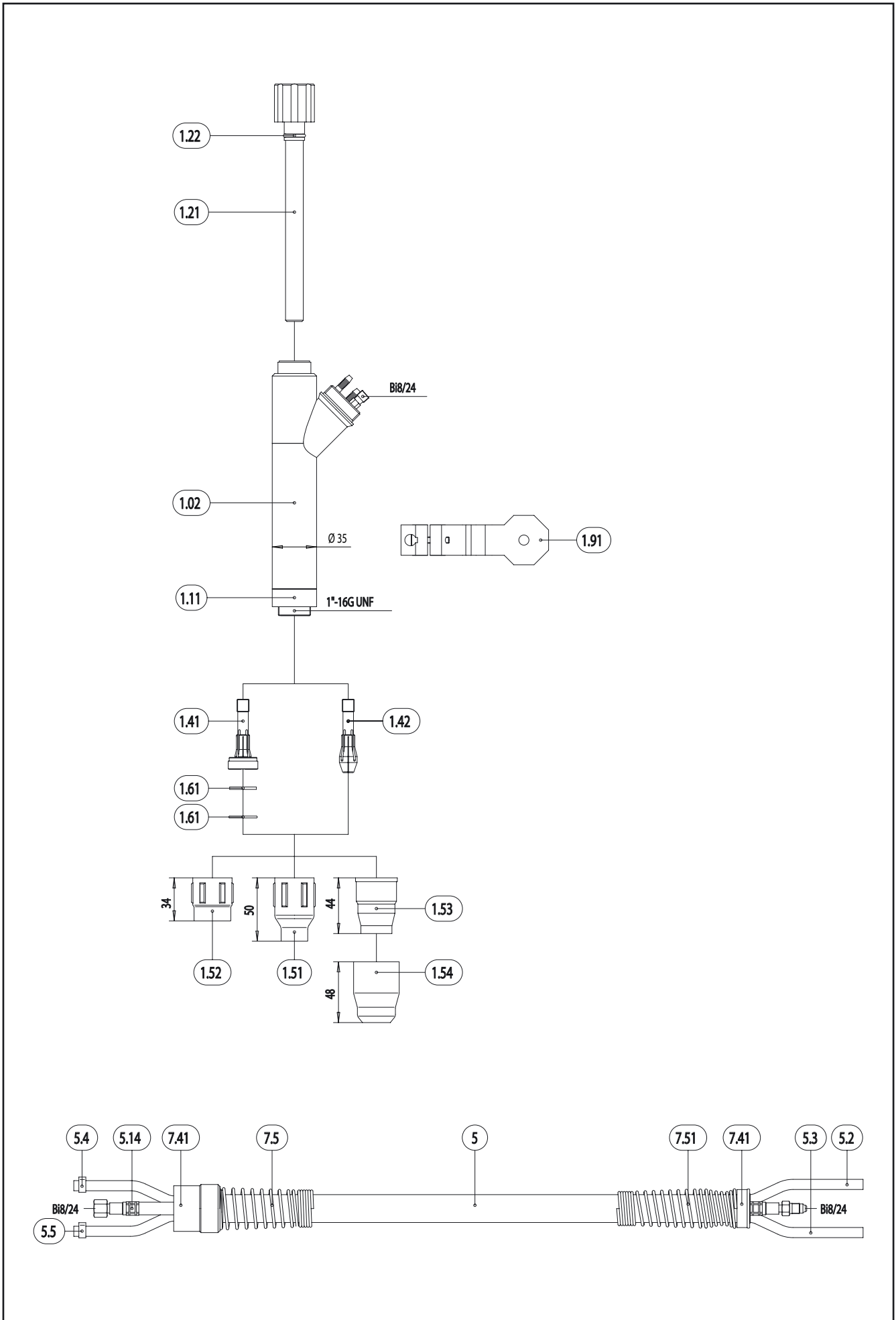




# TIG Automatic Welding Torches ABITIG® 400 W MT

Pos.	Description	Units	Part-No.	Product-group
<b>Torch body</b>				
1.02	Torch body ABITIG® 400 W MT		779.4020	2532
1.11	Insulator		779.4043	2555
1.21	Guide tube cpl. ABITIG® 400 W MT		779.4030	2555
1.22	O-Ring 13.46x2.08	20 Pcs.	165.0079	9010
<b>Wear parts</b>				
1.42	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	775.0062	2548
1.42	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	775.0063	2548
1.42	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	775.0064	2548
1.42	Electrode holder for electrode WE Ø 4.0 mm	5 Pcs.	775.0065	2548
1.42	Electrode holder for electrode WE Ø 4.8 mm	5 Pcs.	775.0066	2548
1.53	Ceramic gas nozzle 37.4 mm; ND 7.5 mm	10 Pcs.	775.0081	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 10.5 mm	10 Pcs.	775.0082	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 13.0 mm	10 Pcs.	775.0083	2541
1.53	Ceramic gas nozzle 37.4 mm; ND 15.0 mm	10 Pcs.	775.0084	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 7.5 mm	10 Pcs.	775.2171	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 10.0 mm	10 Pcs.	775.2172	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 13.0 mm	10 Pcs.	775.2173	2541
1.54	Ceramic gas nozzle 51.5 mm; ND 16.0 mm	10 Pcs.	775.2174	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 13.0 mm (reenforced)	10 Pcs.	775.0183	2541
1.55	Ceramic gas nozzle 38.4 mm; ND 15.0 mm (reenforced)	10 Pcs.	775.0184	2541
1.72	Gas diffuser for electrode WE-Ø 1.0 mm		773.0171	2548
1.72	Gas diffuser for electrode WE-Ø 1.6 mm		773.0172	2548
1.72	Gas diffuser for electrode WE-Ø 2.4 mm		773.0173	2548
1.72	Gas diffuser for electrode WE-Ø 3.2 mm		773.0174	2548
1.72	Gas diffuser for electrode WE-Ø 4.0 mm		773.0175	2548
1.72	Gas diffuser for electrode WE-Ø 4.8 mm		773.0176	2548
<b>Accessories</b>				
1.91	Torch mount MT-25		780.0222	2555
<b>Cable assembly</b>				
5	Hose 10 black Ø 22x1.25	40 m	109.0020	4050
5.14	Power cable High Flex (ABITIG® MT) for 4.00 m		150.0175	2555
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.3	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
5.4	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
5.5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
7.41	Strain relief		400.0413	9010
7.5	Cable support spring		775.1341	2555
7.51	Cable support spring		500.0227	9010

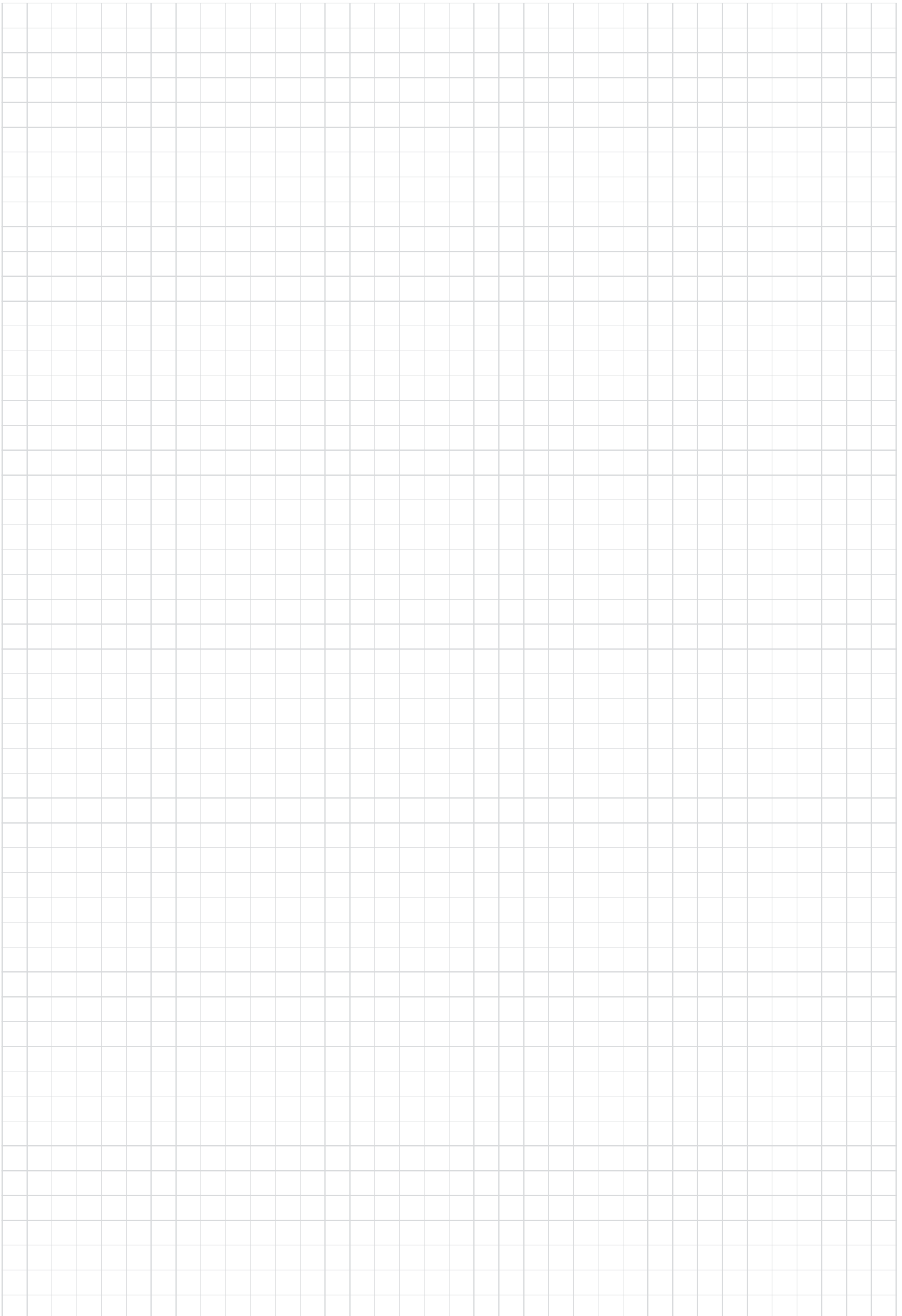
# TIG Automatic Welding Torches ABITIG® 500 W MT



# TIG Automatic Welding Torches ABITIG® 500 W MT

Pos.	Description	Units	Part-No.	Product-group
	<b>Torch body</b>			
1.02	Torch body ABITIG® 500 W MT		779.6020	2532
1.11	Insulator		779.6033	2555
1.21	Guide tube cpl. ABITIG® 500 W MT		779.6026	2555
1.22	O-Ring 13.46x2.08	20 Pcs.	165.0079	9010
	<b>Wear parts</b>			
1.41	Gas diffuser for electrode WE-Ø 1.6 mm		779.6058	2548
1.41	Gas diffuser for electrode WE-Ø 2.0 mm		779.6063	2548
1.41	Gas diffuser for electrode WE-Ø 2.4 mm		779.6059	2548
1.41	Gas diffuser for electrode WE-Ø 3.2 mm		779.6060	2548
1.41	Gas diffuser for electrode WE-Ø 4.0 mm		779.6061	2548
1.41	Gas diffuser for electrode WE-Ø 4.8 mm		779.6062	2548
1.41	Gas diffuser for electrode WE-Ø 6.4 mm		779.6064	2548
1.42	Electrode holder for electrode WE Ø 1.6 mm		779.6044	2548
1.42	Electrode holder for electrode WE Ø 2.0 mm		779.6049	2548
1.42	Electrode holder for electrode WE Ø 2.4 mm		779.6045	2548
1.42	Electrode holder for electrode WE Ø 3.2 mm		779.6046	2548
1.42	Electrode holder for electrode WE Ø 4.0 mm		779.6047	2548
1.42	Electrode holder for electrode WE Ø 4.8 mm		779.6048	2548
1.42	Electrode holder for electrode WE Ø 6.4 mm		779.6050	2548
1.51	Ceramic gas nozzle 50 mm; ND 12.5 mm	10 Pcs.	778.1183	2541
1.51	Ceramic gas nozzle 50 mm; ND 16.0 mm	10 Pcs.	778.1184	2541
1.51	Ceramic gas nozzle 50 mm; ND 19.5 mm	10 Pcs.	778.1188	2541
1.52	Ceramic gas nozzle 34 mm; ND 24.0 mm	10 Pcs.	778.1189	2541
1.53	Ceramic adaptor		778.1185	2541
1.54	Gas nozzle metal 48 mm; ND 16.0 mm		778.1186	2541
1.54	Gas nozzle metal 48 mm; ND 19.0 mm		778.1187	2541
1.61	Sieve		778.1109	2555
1.61	Retaining ring		775.0108	2555
	<b>Accessories</b>			
1.91	Torch mount MT-35		780.0292	5207
	<b>Cable assembly</b>			
5	Hose 10 black Ø 22x1.25	40 m	109.0020	4050
5.14	Power cable High Flex (ABITIG® MT) for 4.00 m		150.0175	2555
5.2	Hose Ø 3x1.5	100 m	102.0124	4050
5.3	Hose 49 black Ø 3.9x1.5	40 m	109.0059	4050
5.4	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	173.0006	9010
5.5	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	173.0007	9010
7.41	Strain relief		400.0413	9010
7.5	Cable support spring		775.1341	2555
7.51	Cable support spring		500.0227	9010

## Notes



# Cold Wire Feeder System ABIDRIVE-CW and ABITIG® GRIP Welding Torches with cold wire feed air and liquid cooled The right "Drive" ...

The ABIDRIVE-CW cold wire feeding system – especially developed for the industrial use – cares for optimal and constant wire feeding. To utilize for hand operated and automated TIG cold wire welding.

Due to the customized intermediate cable assemblies the ABIDRIVE-CW wire feeding system is easy to adapt to several air and liquid cooled TIG power sources without any difficulty.

The ABICOR BINZEL® welding torches from the ABITIG® series with cold wire feed and integrated control module inside the handle will complete the system.

- Selective 2- or 4-T mode
- Interval mode
- Free selection of welding and brake times
- Feeding speed 0–10 m/min.
- Four roll drive (toothed)
- Soft start

## Technical data (IEC 60974)

### Cold Wire Feeder System "ABIDRIVE-CW"

#### Feeding unit

Weight:	19 kg
Measurements (LxWxH):	approx. 580x280x380 mm
Wire feeding speed:	0–10 m/min.
Standard drive rolls:	0.8–1.2 mm

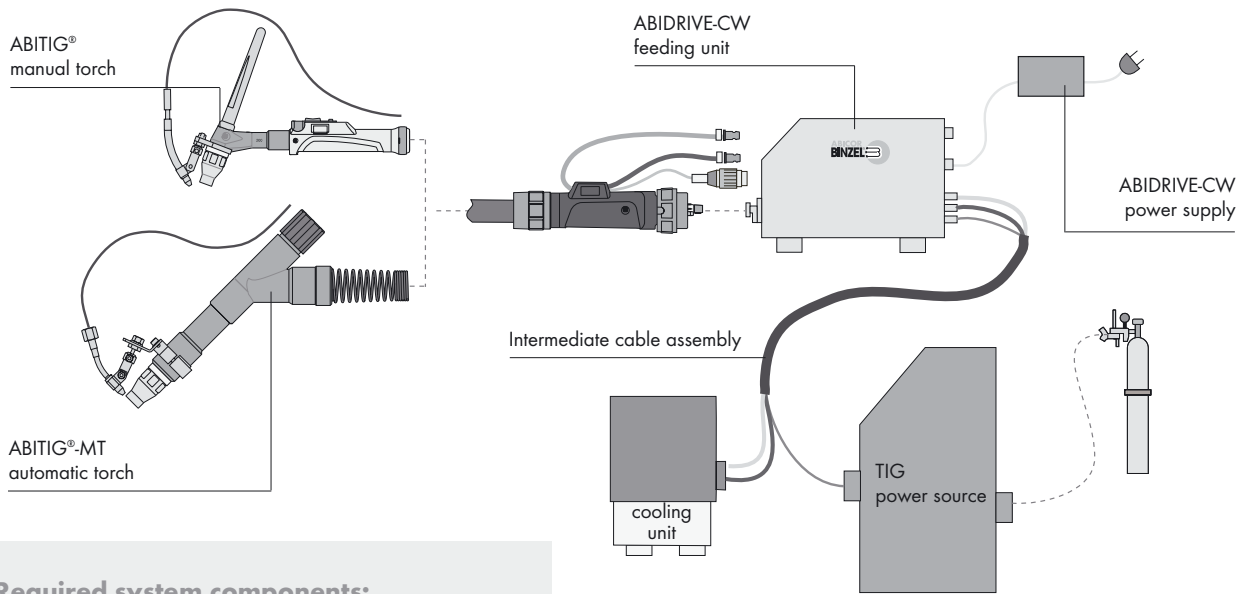
#### Power supply

Weight:	7.5 kg
Measurements (LxWxH):	approx. 185 x 200 x 175 mm
Inlet voltage:	230V / 50 Hz
Power consumption:	40 W / 28 V
Power input:	0.15 kVA
Interval frequency:	approx. 0.5 Hz
Protection class:	IP 21

The technical data of the ABITIG® GRIP Welding Torches with cold wire feed correspond with the technical data of the ABITIG® GRIP Torch series in chapter 2.

# Cold Wire Feeder System ABIDRIVE-CW

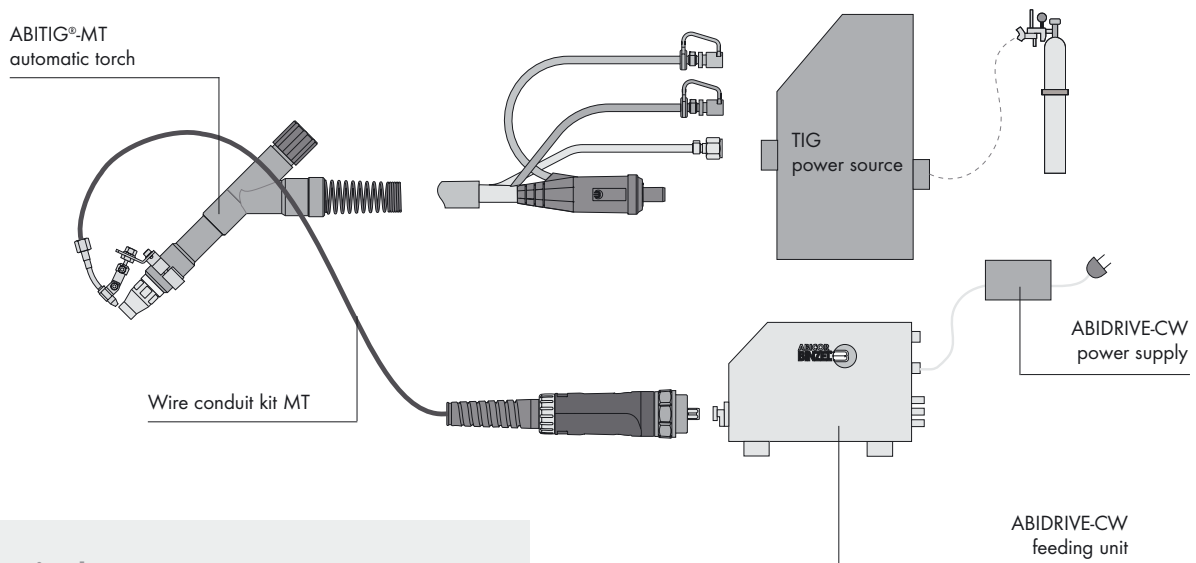
## System overview direct connection ABIDRIVE-CW



### Required system components:

- ABIDRIVE-CW cpl.
- ABITIG® Welding Torch
- Intermediate cable assembly

## System overview direct connection power source



### Required system components:

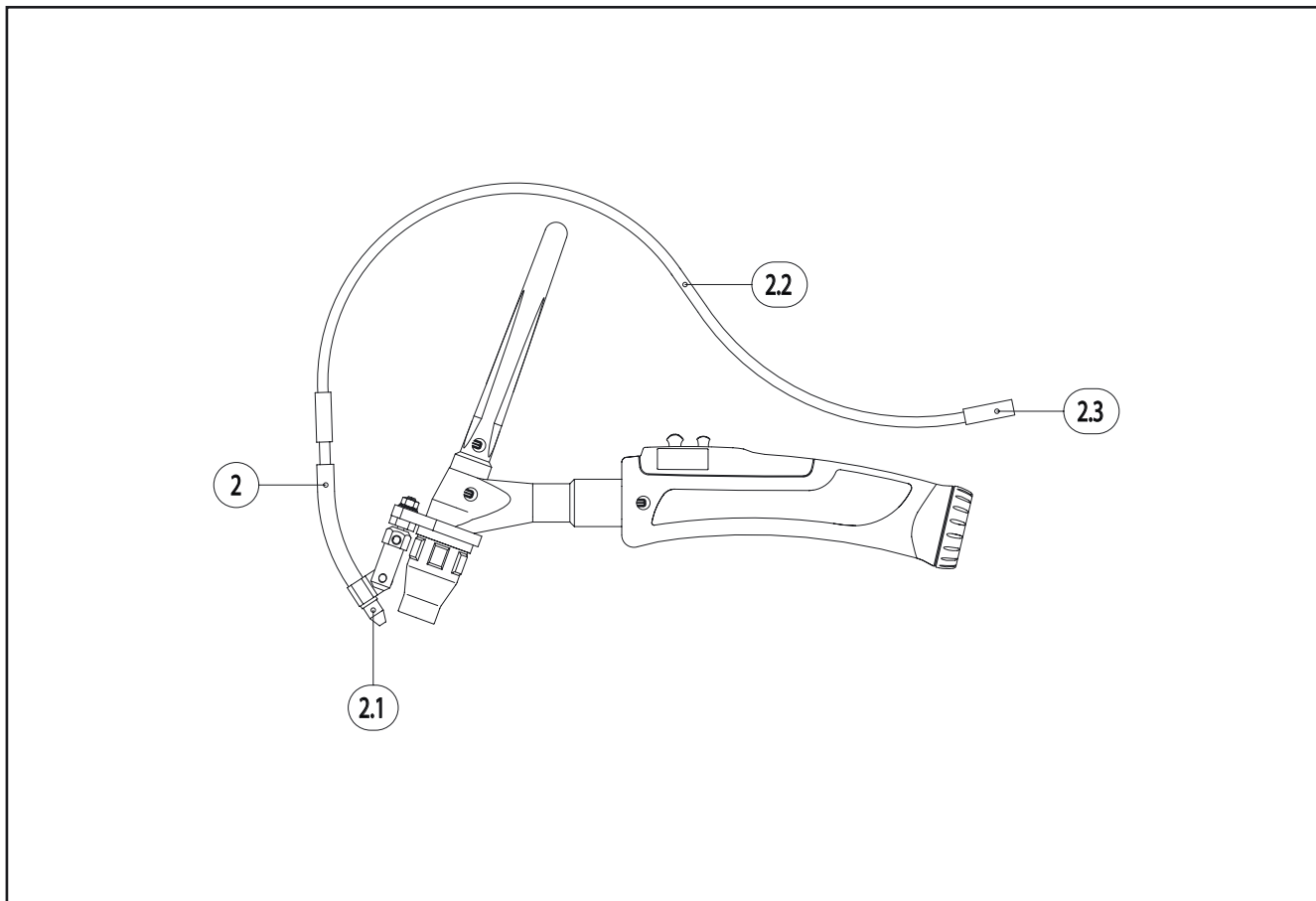
- ABIDRIVE-CW cpl.
- ABITIG® MT Welding Torch
- Cold wire feed MT cpl.

# Cold Wire Feeder System ABIDRIVE-CW



Pos.	Description	Units	Part-No.	Product-group
	<b>Cold wire feeder system ABIDRIVE-CW</b>			
1	Cold wire feeder system ABIDRIVE-CW cpl.		525.1001	7010
	<b>Drive rolls for aluminium wire</b>			
w/o. fig.	Drive roll for aluminium 0.6 / 0.8 mm (U-groove)		525.1027.1	7011
w/o. fig.	Drive roll for aluminium 1.0 / 1.0 mm (U-groove)		525.1028.1	7011
w/o. fig.	Drive roll for aluminium 1.0 / 1.2 mm (U-groove)		525.1029.1	7011
w/o. fig.	Drive roll for aluminium 1.2 / 1.2 mm (U-groove)		525.1030.1	7011
	<b>Drive rolls steel / CuSi</b>			
w/o. fig.	Drive roll for steel / CuSi 0.8 / 0.8 mm (V-groove)		525.1031.1	7011
w/o. fig.	Drive roll for steel / CuSi 1.0 / 1.0 mm (V-groove)		525.1032.1	7011
w/o. fig.	Drive roll for steel / CuSi 1.0 / 1.2 mm (V-groove)		525.1033.1	7011
w/o. fig.	Drive roll for steel / CuSi 1.2 / 1.2 mm (V-groove)		525.1034.1	7011
	<b>TIG intermediate cable assembly</b>			
w/o. fig.	TIG intermediate cable assembly BSB 50-70; BLS-01A; BHC-11; for EWM®; 2.00 m		525.1002	2020
w/o. fig.	TIG intermediate cable assembly BSB 50-70; BLS-01B; BHC-16; for Lorch®; 2.00 m		525.1003	2020
w/o. fig.	TIG intermediate cable assembly BSB 50-70; BLS-03A; BHC-16; for Rehmann®; 2.00 m		525.1004	2020
w/o. fig.	TIG intermediate cable assembly BCS-11; BLS-46B; BHC-12; for Kemppi®; 2.00 m		525.1005	2020
w/o. fig.	TIG intermediate cable assembly BCS-11; BLS-46B; BHC-00; for Kemppi®; 2.00 m		525.1006	2020
w/o. fig.	TIG intermediate cable assembly BCS-03; BLS-01A; BHC-12; for Merkle®; 2.00 m		525.1007	2020
w/o. fig.	TIG intermediate cable assembly BCS-06; BLS-15A; BHC-00; for Fronius®; 2.00 m		525.1008	2020
w/o. fig.	TIG intermediate cable assembly BSB 50-70; BLS-01B; BHC-11; for Jäckle®; 2.00 m		525.1009	2020
w/o. fig.	TIG intermediate cable assembly BCS-36; BLS-15A; BHC-12; for Fronius®; 2.00 m		525.1010	2020
w/o. fig.	TIG intermediate cable assembly BCS-06; BLS-10A; BHC-15; for Kemppi®; 2.00 m		525.1011	2020
w/o. fig.	TIG intermediate cable assembly BSB 50-70; BLS-09A; BHC-21; for Esab®; 2.00 m		525.1012	2020
w/o. fig.	TIG intermediate cable assembly BCS-19; BLS-04A; BHC-00; for Oerlikon®; 2.00 m		525.1013	2020
w/o. fig.	TIG intermediate cable assembly BCS-25; BLS-04A; BHC-12; for Oerlikon®; 2.00 m		525.1019	2020
w/o. fig.	TIG intermediate cable assembly BCS-07; BLS-99A; BHC-12; for Esab®; 2.00 m		525.1020	2020

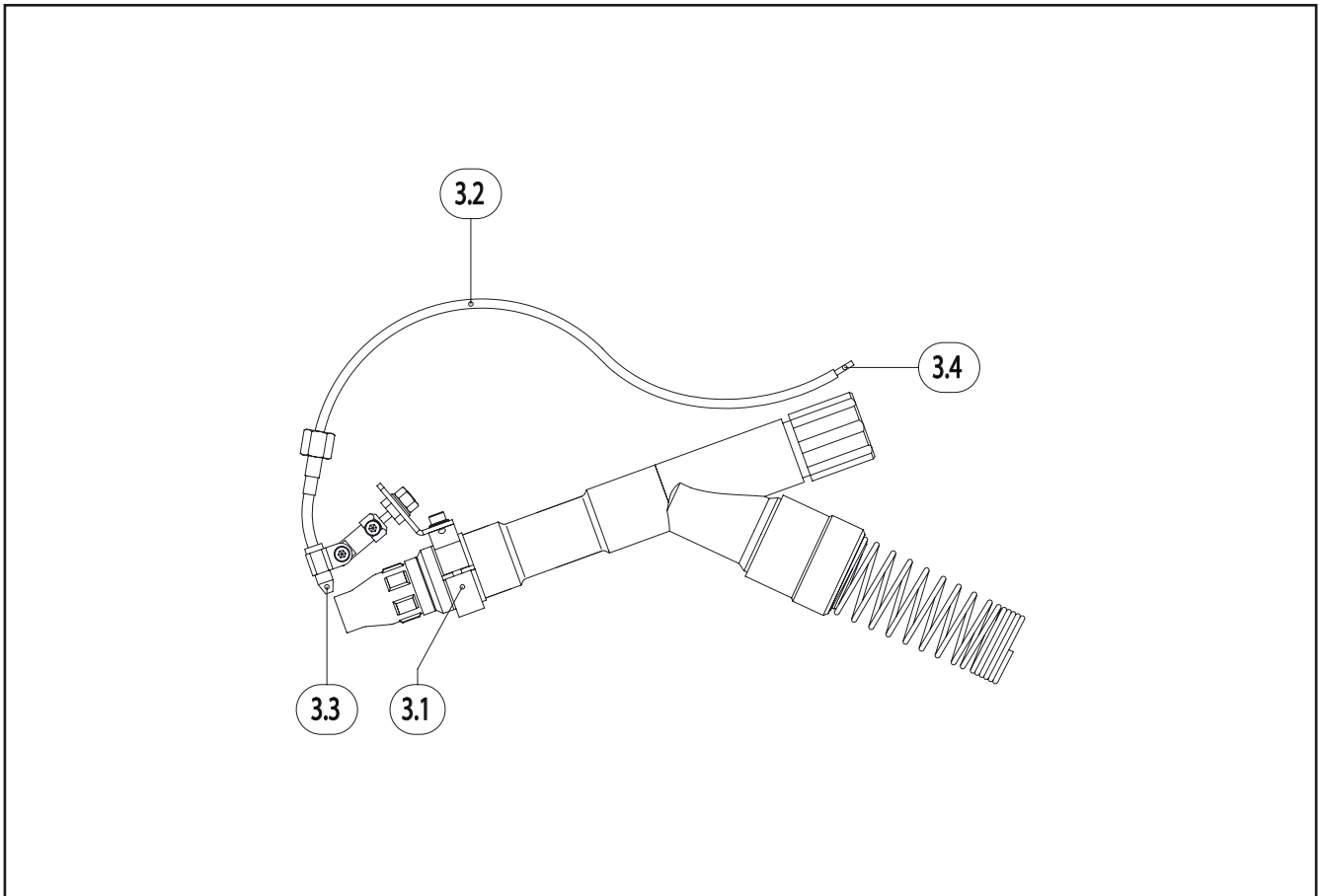
## TIG manual welding torches ABITIG® with cold wire feed



Pos.	Description	Units	Part-No.	Product-group
	<b>TIG manual welding torches ABITIG® with cold wire feed</b>			
w/o. fig.	ABITIG® 260 W with cold wire feed (4.00 m; BIS-25; BHC-12; WZ-2)		777.2005	2502
w/o. fig.	ABITIG® 450 W with cold wire feed (4.00 m; BIS-25; BHC-12; WZ-2)		775.2541	2502
	<b>Cold wire feed</b>			
2	Cold wire feeding cpl. for ABITIG® 260 W		729.0084	2100
	<b>Wear parts</b>			
2.1	Cold wire feeding tip Ø 0.8 mm		729.0071	2101
2.1	Cold wire feeding tip Ø 1.0 mm		729.0072	2101
2.1	Cold wire feeding tip Ø 1.2 mm		729.0073	2101
2.1	Cold wire feeding tip Ø 1.6 mm		729.0074	2101
2.2	Cold wire guide liner 2.0x4.5x45 mm		729.0080	2101
2.3	Double nipple		729.0057	2101
w/o. fig.	Polyamid core liner 2.0/4.0; wire electrode Ø 1.0 - 1.2; for 4.00 m		128.0015	1034
w/o. fig.	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0 - 1.2; for 4.00 m		127.0007	1034
w/o. fig.	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095

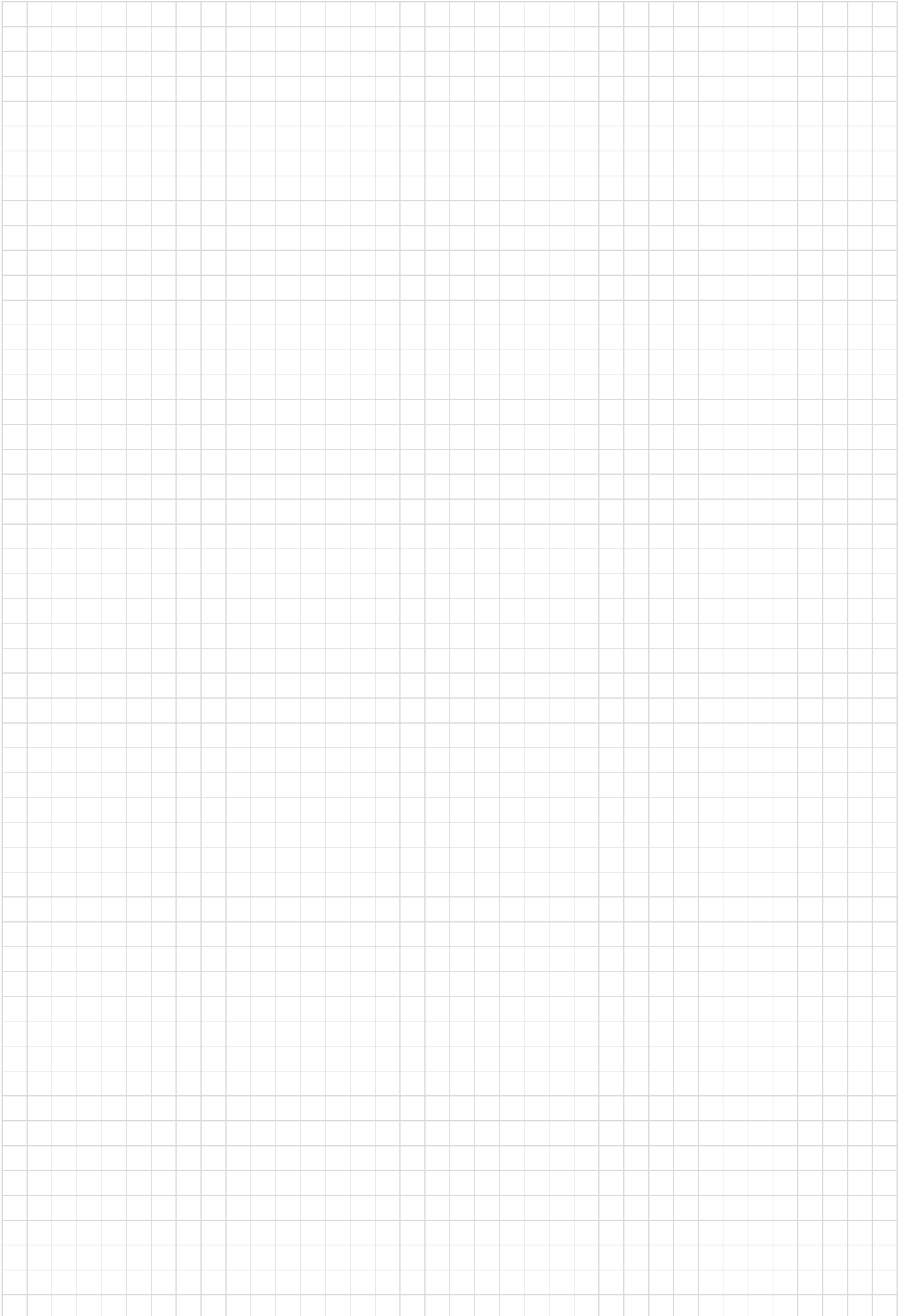


# TIG machine welding torches ABITIG®-MT with cold wire feed



Pos.	Description	Units	Part-No.	Product-group
	<b>TIG machine welding torches ABITIG®-MT with cold wire feed (Direct connection)</b>			
w/o. fig.	ABITIG® 260 W MT with cold wire feed (1.50 m; WZ-2)		525.1016	2512
w/o. fig.	ABITIG® 260 W MT with cold wire feed (3.00 m; WZ-2)		525.1017	2512
w/o. fig.	ABITIG® 260 W MT with cold wire feed (4.00 m; WZ-2)		525.1018	2512
w/o. fig.	ABITIG® 300 W MT with cold wire feed (1.50 m; WZ-2)		525.1021	2512
w/o. fig.	ABITIG® 300 W MT with cold wire feed (3.00 m; WZ-2)		525.1022	2512
w/o. fig.	ABITIG® 300 W MT with cold wire feed (4.00 m; WZ-2)		525.1023	2512
w/o. fig.	ABITIG® 400 W MT with cold wire feed (1.50 m; WZ-2)		525.1024	2512
w/o. fig.	ABITIG® 400 W MT with cold wire feed (3.00 m; WZ-2)		525.1025	2512
w/o. fig.	ABITIG® 400 W MT with cold wire feed (4.00 m; WZ-2)		525.1026	2512
	<b>Cold wire feed</b>			
3.1	Cold wire feed cpl. for ABITIG®-MT 260 W / 300 W / 400 W (length = 4.00 m)		525.1014	2101
	<b>Wear parts</b>			
3.2	Cold wire feeding tip Ø 1.0 mm		729.0061	2101
3.2	Cold wire feeding tip Ø 1.2 mm		729.0059	2101
3.2	Cold wire feeding tip Ø 1.6 mm		729.0062	2101
3.3	Polyamid core liner 2.0/4.0; wire electrode Ø 1.0 - 1.2; for 4.00 m		128.0015	1034
3.3	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0 - 1.2; for 4.00 m		127.0007	1034
w/o. fig.	Nipple for core liner at Ø 4.0	20 Pcs.	131.0001	1095

## Notes



## Spare Parts List (numerical)



## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
000.0552	Pan head screw M4x6	20 Pcs.	9010
009.0201	Rounded countersunk head screw M4x6	20 Pcs.	9010
100.0028	Control cable 7-pole; protected	100 m	4050
100.0100	Control cable 3-pole	100 m	4050
100.0112	Control cable 6-pole	100 m	4050
102.0124	Hose Ø 3x1.5	100 m	4050
104.0007	Shrink hose Ø 19.1 mm	60 m	4050
105.0005	Outer cover rubber Ø 20x1.5	40 m	4050
105.0019	Outer cover rubber Ø 25x1.25	40 m	4050
108.0028	Leather hose High Flex Ø 23x1 (0.8 m)		2005
109.0011	Hose 1 black Ø 3.9x1.5	100 m	4050
109.0019	Hose 9 black Ø 18.2x1.25	60 m	4050
109.0020	Hose 10 black Ø 22x1.25	40 m	4050
109.0023	Hose 13 black Ø 4.2x1.5	100 m	4050
109.0040	Hose 30 black Ø 4.9x1.5	100 m	4050
109.0059	Hose 49 black Ø 3.9x1.5	40 m	4050
118.0019	Power cable type 35 for 4.00 m; with welding cable plug ABI-CM 35-50		2005
118.0021	Power cable type 35 for 8.00 m; with welding cable plug ABI-CM 35-50		2005
118.0042	Power cable type 16 for 4.00 m		2005
118.0043	Power cable type 16 for 8.00 m		2005
127.0007	PTFE carbon core liner 2.0/4.0; wire electrode Ø 1.0 - 1.2; for 4.00 m		1034
128.0015	Polyamid core liner 2.0/4.0; wire electrode Ø 1.0 - 1.2; for 4.00 m		1034
131.0001	Nipple for core liner at Ø 4.0	20 Pcs.	1095
150.0002	Power cable High Flex (ABITIG® 260 W) for 4.00 m		2555
150.0003	Power cable High Flex (ABITIG® 260 W) for 8.00 m		2555
150.0015	Power cable (ABITIG® 20, ABITIG® 24 W) for 4.00 m		2005
150.0016	Power cable (ABITIG® 20, ABITIG® 24 W) for 8.00 m		2005
150.0017	Power cable (ABITIG® 20, ABITIG® 24 W) for 12.00 m		2005
150.0018	Power cable (ABITIG® 18, ABITIG® 18 SC) for 4.00 m		2005
150.0019	Power cable (ABITIG® 18, ABITIG® 18 SC) for 8.00 m		2005
150.0020	Power cable (ABITIG® 18, ABITIG® 18 SC) for 12.00 m		2005
150.0036	Power cable High Flex (ABITIG® 200) for 4.00 m		2555
150.0037	Power cable High Flex (ABITIG® 200) for 8.00 m		2555
150.0040	Power cable High Flex (ABITIG® 150) for 4.00 m		2555
150.0041	Power cable High Flex (ABITIG® 150) for 8.00 m		2555
150.0054	Power cable (ABITIG® 450 W) for 4.00 m		2555
150.0055	Power cable (ABITIG® 450 W) for 8.00 m		2555
150.0056	Power cable High Flex (ABITIG® 9) for 4.00 m		2005
150.0057	Power cable High Flex (ABITIG® 9) for 8.00 m		2005
150.0058	Power cable High Flex (ABITIG® 9) for 12.00 m		2005
150.0059	Power cable High Flex (ABITIG® 26) for 4.00 m		2005
150.0060	Power cable High Flex (ABITIG® 26) for 8.00 m		2005
150.0061	Power cable High Flex (ABITIG® 26) for 12.00 m		2005
150.0062	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 4.00 m		2005
150.0063	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 8.00 m		2005
150.0064	Power cable High Flex (ABITIG® 20, ABITIG® 24 W) for 12.00 m		2005
150.0065	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 4.00 m		2005
150.0066	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 8.00 m		2005
150.0067	Power cable High Flex (ABITIG® 17, ABITIG® 24 G) for 12.00 m		2005
150.0068	Power cable High Flex (ABITIG® 18, ABITIG® 18 SC) for 4.00 m		2005
150.0069	Power cable High Flex (ABITIG® 18, ABITIG® 18 SC) for 8.00 m		2005
150.0070	Power cable High Flex (ABITIG® 18, ABITIG® 18 SC) for 12.00 m		2005
150.0071	Power cable High Flex (ABITIG® 12-1) for 4.00 m		2005
150.0072	Power cable High Flex (ABITIG® 12-1) for 8.00 m		2005
150.0073	Power cable High Flex (ABITIG® 12-1) for 12.00 m		2005
150.0074	Power cable (ABITIG® 12-1) for 4.00 m		2005

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
150.0075	Power cable (ABITIG® 12-1) for 8.00 m		2005
150.0076	Power cable (ABITIG® 12-1) for 12.00 m		2005
150.0082	Power cable High Flex (ABITIG® 260 W) for 12.00 m		2555
150.0083	Power cable (ABITIG® 450 W) for 12.00 m		2555
150.0084	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 4.00 m		2005
150.0085	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 8.00 m		2005
150.0086	Power cable (ABITIG® 9, ABITIG® 17, ABITIG® 24 G) for 12.00 m		2005
150.0087	Power cable (ABITIG® 26) for 4.00 m		2005
150.0088	Power cable (ABITIG® 26) for 8.00 m		2005
150.0089	Power cable (ABITIG® 26) for 12.00 m		2005
150.0099	Power cable (ABITIG® 260 W) for 4.00 m		2555
150.0100	Power cable (ABITIG® 260 W) for 8.00 m		2555
150.0101	Power cable (ABITIG® 260 W) for 12.00 m		2555
150.0111	Power cable (ABITIG® 150) for 4.00 m		2555
150.0112	Power cable (ABITIG® 150) for 8.00 m		2555
150.0113	Power cable (ABITIG® 150) for 12.00 m		2555
150.0114	Power cable High Flex (ABITIG® 200) for 12.00 m		2555
150.0164	Power cable High Flex (ABITIG® 260 W) for 4.00 m		2555
150.0165	Power cable High Flex (ABITIG® 260 W) for 8.00 m		2555
150.0166	Power cable High Flex (ABITIG® 260 W) for 12.00 m		2555
150.0167	Power cable High Flex (ABITIG® 450 W) for 4.00 m		2555
150.0168	Power cable High Flex (ABITIG® 450 W) for 8.00 m		2555
150.0169	Power cable High Flex (ABITIG® 450 W) for 12.00 m		2555
150.0170	Power cable (ABITIG® 200) for 4.00 m		2555
150.0171	Power cable (ABITIG® 200) for 8.00 m		2555
150.0172	Power cable (ABITIG® 200) for 12.00 m		2555
150.0175	Power cable High Flex (ABITIG® MT) for 4.00 m		2555
150.0190	Power cable High Flex (ABITIG® 150) for 12.00 m		2555
150.0194	Power cable High Flex (ABITIG® 450 W SC) for 8.00 m		2555
150.0203	Power cable High Flex (ABITIG® 450 W SC) for 4.00 m		2555
150.0204	Power cable High Flex (ABITIG® 450 W SC) for 12.00 m		2555
150.0255.1	Power cable High Flex (ABITIG® 20) for 4.00 m		2005
150.0256.1	Power cable High Flex (ABITIG® 20) for 8.00 m		2005
150.0257.1	Power cable High Flex (ABITIG® 20) for 12.00 m		2005
150.0259.1	Power cable (ABITIG® 20) for 4.00 m		2005
150.0260.1	Power cable (ABITIG® 20) for 8.00 m		2005
150.0261.1	Power cable (ABITIG® 20) for 12.00 m		2005
165.0028	O-Ring 4.6x2	20 Pcs.	9010
165.0030	O-Ring 9x2	20 Pcs.	9010
165.0079	O-Ring 13.46x2.08	20 Pcs.	9010
165.0097	O-Ring 10x1.5	20 Pcs.	9010
173.0001	Hose clamp Ø 9.0 mm with ring (mark 9.5)	20 Pcs.	9010
173.0005	Hose clamp Ø 8.2 mm with ring (mark 8.7)	20 Pcs.	9010
173.0006	Hose clamp Ø 6.2 mm with ring (mark 6.6)	20 Pcs.	9010
173.0007	Hose clamp Ø 7.5 mm with ring (mark 8.0)	20 Pcs.	9010
173.0008	Hose clamp Ø 5.7 mm with ring (mark 6.1)	20 Pcs.	9010
173.0009	Hose clamp Ø 6.5 mm with ring (mark 7.0)	20 Pcs.	9010
175.0005	Amphenol plug 6-pole		9010
175.0006	Amphenol plug 4-pole		9010
175.0009	Tuchel plug 3-pole		9010
175.0011	Tuchel plug 5-pole		9010
175.0012	Tuchel plug 5-pole (screwed)		9010
175.0046	Tuchel rectangle plug connector 9-pole		9010
175.0063	Cable plug 5-pole		9010
175.0064	Amphenol plug 10-pole		9010
175.0067	Amphenol plug 2-pole		9010

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
175.0102	Cable plug 5-pole		9010
175.0127	Amphenol plug 2-pole		9010
175.0129	Amphenol plug 14-pole		9010
175.0155	Binder plug 7-pole		9010
175.0247	Amphenol plug 8-pole		9010
175.0249	Plug 7-pole		9010
175.0273	Tuchel plug 7-pole		9010
175.0290	Dioden plug 3-pole		9010
175.0301	Harting plug 6-pole		9010
175.0341	Round plug connector 3-pole		9010
175.0343	DDK plug 5-pole		9010
175.0344	DDK plug 10-pole		9010
175.0382	Amphenol plug 7-pole (Z-version)		9010
175.0400	Redel plug 2-pole		9010
175.0404	AMP plug 14-pole cpl.		9010
175.0405	Amphenol plug 18-pole cpl.		9010
175.0406	Burndy plug 8-pole cpl.		9010
175.0407	Burndy plug 12-pole cpl.		9010
175.0434	Klinken plug 3-pole		9010
175.0449	Neutrik plug 3-pole		9010
175.0484	Cable plug 7-pole		9010
175.0525.1	AMP plug 8-pole cpl.		9010
177.0007	Quick coupling ND 5		1092
180.0130.1	Handle ABITIG® GRIP without module		2005
180.0131.1	Handgriff ABITIG® GRIP Little without module		2005
184.0162	HF-control cable filter DGF 3		9010
400.0046	Coupling nut M10x1	10 Pcs.	9010
400.0137	Coupling nut M38x2		9010
400.0351	Strain relief		2005
400.0377	Hose coupling BS		2005
400.0378	Hose coupling MS		2005
400.0379	Strain relief		2005
400.0380	Hose coupling BS		2005
400.0381	Hose coupling MS		2005
400.0391	Hose coupling cpl.		2005
400.0392	Hose coupling cpl.		2005
400.0412	Strain relief ERGO		9010
400.0413	Strain relief		9010
400.0987	Lock ring ND 31		9010
400.1258	Socket joint ABITIG® GRIP		2005
400.1275.1	Control module BIS-51 single push-button		2005
400.1276.1	Control module BIS-52 double push-button / button long		2005
400.1277.1	Control module BIS-95 UP / DOWN (compatible with Lorch)		2005
400.1278.1	Control module BIS-54 double push-button with potentiometer 10 k-Ohm		2005
400.1279.1	Control module BIS-65 UP / DOWN (device-dependent)		2005
400.1280.1	Control module BIS-60 double push-button for high switching current (up to 2 A)		2005
400.1281.1	Control module BIS-59 single push-button with potentiometer 10 k-Ohm		2005
400.1282.1	Control module BIS-67 double push-button / compensator		2005
400.1292.1	Control module BIS-52 double push-button		2005
400.1296.1	Control module BIS-51 single push-button		2005
400.1318.1	Control module BIS-65 UP / DOWN (device-dependent)		2005
400.1327.1	Control module BIS-64 double push-button with potentiometer 1 k-Ohm		2005
400.1328.1	Control module BIS-74 double push-button with potentiometer 2.2 k-Ohm		2005
400.1329.1	Control module BIS-84 double push-button with potentiometer 4.7 k-Ohm		2005
400.1330.1	Control module BIS-94 double push-button with potentiometer 47 k-Ohm		2005
500.0081	Coupling nut G 3/8"	10 Pcs.	9010

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
500.0082	Coupling nut G 1/4"	10 Pcs.	9010
500.0087	Hose connector G 1/4"	10 Pcs.	9010
500.0106	Coupling nut 9/16"-18G UNF	10 Pcs.	9010
500.0110	Coupling nut M12x1	10 Pcs.	9010
500.0112	Hose connector for M12x1	10 Pcs.	9010
500.0121	Inverted nut 5/8"-18G	10 Pcs.	9010
500.0122	Inverted nut 5/8"-18G l.h.	10 Pcs.	9010
500.0136	Hose connector G 1/8" / M10x1	10 Pcs.	9010
500.0160	Cable support		9010
500.0162	Coupling nut 5/8"-18G	10 Pcs.	9010
500.0203	Hose connector for 9/16"-18G UNF	10 Pcs.	9010
500.0213	Adaptor nut M33x2		9010
500.0226	Cable support spring		9010
500.0227	Cable support spring		9010
500.0247	Hose connector for G 1/4"	10 Pcs.	9010
500.0248	Hose connector for G 3/8"	10 Pcs.	9010
500.0251	Screw cap 1	20 Pcs.	9010
500.0252	Strain relief		9010
500.0271	Rubber sleeve		9010
500.0272	Rubber sleeve		9010
500.0317	Hose connector for 5/8"-18G	10 Pcs.	9010
500.0362	Screw cap 2	20 Pcs.	9010
500.0364	Coupling nut G1/4" (Esseti)	10 Pcs.	9010
500.0415	Cable support machine side large		9010
500.0416	Cable support machine side cover large		9010
500.0427	Cable support machine side small		9010
500.0428	Cable support machine side cover small		9010
500.0431	Sealing cover		9010
500.0432	Cable support machine side small		9010
500.0433	Cable support machine side cover small		9010
501.0126	Plug nipple ND 2.7	10 Pcs.	9010
501.0127	Adaptor nut		9010
501.2165	Plug nipple NW 5	20 Pcs.	9010
501.2166	Code colour ring red	20 Pcs.	9010
501.2167	Code colour ring blue	20 Pcs.	9010
501.2223	Plug nipple ND 2.7 (migatronic)	10 Pcs.	9010
501.2230	Plug nipple ND 7.2	10 Pcs.	9010
501.2251	Plug nipple NW 5 (Dalex)		9010
511.0305	Welding cable plug ABI-CM 10-25		4002
511.0315	Welding cable plug ABI-CM 35-50		4002
511.0398	Rubber sleeve		4001
525.1001	Cold wire feeder system ABIDRIVE-CW cpl.		7010
525.1002	TIG intermediate cable assembly BSB 50-70; BLS-01A; BHC-11; for EWM®; 2.00 m		2020
525.1003	TIG intermediate cable assembly BSB 50-70; BLS-01B; BHC-16; for Lorch®; 2.00 m		2020
525.1004	TIG intermediate cable assembly BSB 50-70; BLS-03A; BHC-16; for Rehm®; 2.00 m		2020
525.1005	TIG intermediate cable assembly BCS-11; BLS-46B; BHC-12; for Kemppi®; 2.00 m		2020
525.1006	TIG intermediate cable assembly BCS-11; BLS-46B; BHC-00; for Kemppi®; 2.00 m		2020
525.1007	TIG intermediate cable assembly BCS-03; BLS-01A; BHC-12; for Merkle®; 2.00 m		2020
525.1008	TIG intermediate cable assembly BCS-06; BLS-15A; BHC-00; for Fronius®; 2.00 m		2020
525.1009	TIG intermediate cable assembly BSB 50-70; BLS-01B; BHC-11; for Jäckle®; 2.00 m		2020
525.1010	TIG intermediate cable assembly BCS-36; BLS-15A; BHC-12; for Fronius®; 2.00 m		2020
525.1011	TIG intermediate cable assembly BCS-06; BLS-10A; BHC-15; for Kemppi®; 2.00 m		2020
525.1012	TIG intermediate cable assembly BSB 50-70; BLS-09A; BHC-21; for Esab®; 2.00 m		2020
525.1013	TIG intermediate cable assembly BCS-19; BLS-04A; BHC-00; for Oerlikon®; 2.00 m		2020
525.1014	Cold wire feed cpl. for ABITIG®-MT 260 W / 300 W / 400 W (length = 4.00 m)		2101
525.1016	ABITIG® 260 W MT with cold wire feed (1.50 m; WZ-2)		2512

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
525.1017	ABITIG® 260 W MT with cold wire feed (3.00 m; WZ-2)		2512
525.1018	ABITIG® 260 W MT with cold wire feed (4.00 m; WZ-2)		2512
525.1019	TIG intermediate cable assembly BCS-25; BLS-04A; BHC-12; for Oerlikon®; 2.00 m		2020
525.1020	TIG intermediate cable assembly BCS-07; BLS-99A; BHC-12; for Esab®; 2.00 m		2020
525.1021	ABITIG® 300 W MT with cold wire feed (1.50 m; WZ-2)		2512
525.1022	ABITIG® 300 W MT with cold wire feed (3.00 m; WZ-2)		2512
525.1023	ABITIG® 300 W MT with cold wire feed (4.00 m; WZ-2)		2512
525.1024	ABITIG® 400 W MT with cold wire feed (1.50 m; WZ-2)		2512
525.1025	ABITIG® 400 W MT with cold wire feed (3.00 m; WZ-2)		2512
525.1026	ABITIG® 400 W MT with cold wire feed (4.00 m; WZ-2)		2512
525.1027.1	Drive roll for aluminium 0.6 / 0.8 mm (U-groove)		7011
525.1028.1	Drive roll for aluminium 1.0 / 1.0 mm (U-groove)		7011
525.1029.1	Drive roll for aluminium 1.0 / 1.2 mm (U-groove)		7011
525.1030.1	Drive roll for aluminium 1.2 / 1.2 mm (U-groove)		7011
525.1031.1	Drive roll for steel / CuSi 0.8 / 0.8 mm (V-groove)		7011
525.1032.1	Drive roll for steel / CuSi 1.0 / 1.0 mm (V-groove)		7011
525.1033.1	Drive roll for steel / CuSi 1.0 / 1.2 mm (V-groove)		7011
525.1034.1	Drive roll for steel / CuSi 1.2 / 1.2 mm (V-groove)		7011
701.0107	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 47.0 mm long; (10N50)	10 Pcs.	2004
701.0108	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 47.0 mm long; (10N49)	10 Pcs.	2004
701.0109	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 47.0 mm long; (10N48)	10 Pcs.	2004
701.0110	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 47.0 mm long; (10N47)	10 Pcs.	2004
701.0111	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 47.0 mm long; (10N46)	10 Pcs.	2004
701.0113	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 47.0 mm long; (10N45)	10 Pcs.	2004
701.0114	Ceramic gas nozzle; no. 12; Ø 19.5 mm; 50.0 mm long; (10N44)	10 Pcs.	2004
701.0115	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 76.0 mm long; (10N49L)	10 Pcs.	2004
701.0116	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 76.0 mm long; (10N48L)	10 Pcs.	2004
701.0117	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 76.0 mm long; (10N47L)	10 Pcs.	2004
701.0118	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 48.0 mm long with metal shield; (10N53)		2004
701.0120	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 48.0 mm long with metal shield; (10N52)		2004
701.0122	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 48.0 mm long with metal shield; (10N51)		2004
701.0124	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 48.0 mm long with metal shield; (10N55)		2004
701.0126	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48.0 mm long with metal shield; (10N54)		2004
701.0129	Ceramic spot weld nozzle; no 8; Ø 12.5 mm; 55.0 mm long with metal shield (10N52P)		2004
701.0130	Adaptor (54N01)	10 Pcs.	2003
701.0169	Collet for electrode Ø 0.5 mm; 52.0 mm long; (10N21D)	10 Pcs.	2007
701.0170	Collet for electrode Ø 1.2 mm; 52.0 mm long	10 Pcs.	2007
701.0171	Collet for electrode Ø 1.0 mm; 52.0 mm long; (10N22D)	10 Pcs.	2007
701.0172	Collet for electrode Ø 1.6 mm; 52.0 mm long; (10N23D)	10 Pcs.	2007
701.0173	Collet for electrode Ø 2.4 mm; 52.0 mm long; (10N24D)	10 Pcs.	2007
701.0174	Collet for electrode Ø 3.2 mm; 52.0 mm long; (10N25D)	10 Pcs.	2007
701.0175	Collet for electrode Ø 4.0 mm; 52.0 mm long; (54N20D)	10 Pcs.	2007
701.0176	Collet for electrode Ø 2.0 mm; 52.0 mm long	10 Pcs.	2007
701.0190	Collet body for electrode Ø 0.5 - 1.2 mm; (10N30)	10 Pcs.	2008
701.0191	Collet body for electrode Ø 1.6 mm; (10N31)	10 Pcs.	2008
701.0196	Collet body for electrode Ø 2.0 - 2.4 mm; (10N32)	10 Pcs.	2008
701.0197	Collet body for electrode Ø 3.2 mm; (10N28)	10 Pcs.	2008
701.0198	Collet body for electrode Ø 4.0 mm; (406488)	10 Pcs.	2008
701.0199	Insulator	10 Pcs.	2003
701.0201	Collet body for electrode with gas lens Ø 0.5 - 1.0 mm; (45V24)	10 Pcs.	2016
701.0203	Collet body for electrode with gas lens Ø 1.6 mm; (45V25)	10 Pcs.	2016
701.0207	Collet body for electrode with gas lens Ø 2.0 - 2.4 mm; (45V26)	10 Pcs.	2016
701.0209	Collet body for electrode with gas lens Ø 3.2 mm; (45V27)	10 Pcs.	2016
701.0211	Collet body for electrode with gas lens Ø 4.0 mm; (45V28)	10 Pcs.	2016
701.0240	Back cap, short; (41V33)	10 Pcs.	2009
701.0244	Back cap, medium; (41V35)	10 Pcs.	2009



## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
701.0247	Back cap, long; (41V24)	10 Pcs.	2009
701.0249	Collet for electrode Ø 0.5 mm; 25.4 mm long; (13N20)	10 Pcs.	2007
701.0250	Collet for electrode Ø 1.0 mm; 25.4 mm long; (13N21)	10 Pcs.	2007
701.0251	Collet for electrode Ø 1.6 mm; 25.4 mm long; (13N22)	10 Pcs.	2007
701.0252	Collet for electrode Ø 2.4 mm; 25.4 mm long; (13N23)	10 Pcs.	2007
701.0253	Collet for electrode Ø 3.2 mm; 25.4 mm long; (13N24)	10 Pcs.	2007
701.0254	Collet for electrode Ø 1.2 mm; 25.4 mm long	10 Pcs.	2007
701.0255	Collet for electrode Ø 2.0 mm; 25.4 mm long	10 Pcs.	2007
701.0275	Collet body for electrode Ø 0.5 - 1.0 mm; (13N26)	10 Pcs.	2008
701.0276	Collet body for electrode Ø 1.6 mm; (13N27)	10 Pcs.	2008
701.0277	Collet body for electrode Ø 2.4 mm; (13N28)	10 Pcs.	2008
701.0278	Collet body for electrode Ø 3.2 mm; (13N29)	10 Pcs.	2008
701.0279	Collet body for electrode Ø 1.2 mm	10 Pcs.	2008
701.0280	Collet body for electrode Ø 2.0 mm	10 Pcs.	2008
701.0281	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 30.0 mm long; (13N08)	10 Pcs.	2004
701.0282	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 30.0 mm long; (13N09)	10 Pcs.	2004
701.0283	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 30.0 mm long; (13N10)	10 Pcs.	2004
701.0284	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 30.0 mm long; (13N11)	10 Pcs.	2004
701.0285	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 30.0 mm long; (13N12)	10 Pcs.	2004
701.0286	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 30.0 mm long; (13N13)	10 Pcs.	2004
701.0289	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 48.0 mm long; (796F71)	10 Pcs.	2004
701.0290	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 48.0 mm long; (796F72)	10 Pcs.	2004
701.0291	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48.0 mm long; (796F73)	10 Pcs.	2004
701.0293	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 63.0 mm long; (796F75)	10 Pcs.	2004
701.0294	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 63.0 mm long; (796F76)	10 Pcs.	2004
701.0296	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 89.0 mm long; (796F79)	10 Pcs.	2004
701.0301	Collet body for electrode with gas lens Ø 0.5 - 1.0 mm; (45V41 / 45V42)	10 Pcs.	2016
701.0307	Collet body for electrode with gas lens Ø 1.6 mm; (45V43)	10 Pcs.	2016
701.0309	Collet body for electrode with gas lens Ø 2.4 mm; (45V44)	10 Pcs.	2016
701.0311	Collet body for electrode with gas lens Ø 3.2 mm; (45V45)	10 Pcs.	2016
701.0313	Collet body for electrode with gas lens Ø 1.2 mm	10 Pcs.	2016
701.0315	Collet body for electrode with gas lens Ø 2.0 mm	10 Pcs.	2016
701.0317	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 25.5 mm long; (53N58)	10 Pcs.	2004
701.0318	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 25.5 mm long; (53N59)	10 Pcs.	2004
701.0319	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 25.5 mm long; (53N60)	10 Pcs.	2004
701.0320	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 25.5 mm long; (53N61)	10 Pcs.	2004
701.0420	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 42.0 mm long; (54N18)	10 Pcs.	2004
701.0421	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 42.0 mm long; (54N17)	10 Pcs.	2004
701.0422	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 42.0 mm long; (54N16)	10 Pcs.	2004
701.0423	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 42.0 mm long; (54N15)	10 Pcs.	2004
701.0424	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 42.0 mm long; (54N14)	10 Pcs.	2004
701.0426	Ceramic gas nozzle; no. 12; Ø 19.5 mm; 42.0 mm long; (54N19)	10 Pcs.	2004
701.0427	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 76.0 mm long; (54N17L)	10 Pcs.	2004
701.0428	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 76.0 mm long; (54N16L)	10 Pcs.	2004
701.0429	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 76.0 mm long; (54N15L)	10 Pcs.	2004
701.0452	Collet for electrode Ø 0.5 mm; 14.0 mm long; (53N15)	10 Pcs.	2007
701.0453	Collet for electrode Ø 1.0 mm; 14.0 mm long; (53N16)	10 Pcs.	2007
701.0454	Collet for electrode Ø 1.6 mm; 14.0 mm long; (53N14)	10 Pcs.	2007
701.0455	Collet for electrode Ø 1.2 mm; 14.0 mm long	10 Pcs.	2007
701.0456	Collet for electrode Ø 2.0 mm; 14.0 mm long	10 Pcs.	2007
701.0457	Collet for electrode Ø 2.4 mm; 14.0 mm long; (24C332)	10 Pcs.	2007
701.0458	Insulator (53N22)	10 Pcs.	2003
701.0459	Insulator (53N66)	10 Pcs.	2003
701.0461	Collet for electrode Ø 0.5 mm; 23.0 mm long	10 Pcs.	2007
701.0462	Collet for electrode Ø 1.0 mm; 23.0 mm long; (53N63)	10 Pcs.	2007
701.0463	Collet for electrode Ø 1.6 mm; 23.0 mm long; (54N64)	10 Pcs.	2007

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
701.0464	Collet for electrode Ø 1.2 mm; 23.0 mm long	10 Pcs.	2007
701.0465	Collet for electrode Ø 2.4 mm; 23.0 mm long; (24GLC332)	10 Pcs.	2007
701.0466	Collet for electrode Ø 2.0 mm; 23.0 mm long	10 Pcs.	2007
701.0468	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 16.5 mm long; (53N24)	10 Pcs.	2004
701.0469	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 16.5 mm long; (53N25)	10 Pcs.	2004
701.0470	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 16.5 mm long; (53N27)	10 Pcs.	2004
701.0471	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 29.0 mm long; (53N28)	10 Pcs.	2004
701.0472	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 29.0 mm long; (53N26)	10 Pcs.	2004
701.0473	Ceramic gas nozzle; no. 4L; Ø 6.5 mm; 62.5 mm long; (53N24L)	10 Pcs.	2004
701.0474	Ceramic gas nozzle; no. 5L; Ø 8.0 mm; 91.5 mm long; (53N27L)	10 Pcs.	2004
701.0479	Collet body for electrode Ø 0.5 mm; (53N17)	10 Pcs.	2008
701.0480	Collet body for electrode Ø 1.0 mm; (53N18)	10 Pcs.	2008
701.0481	Collet body for electrode Ø 1.6 mm; (53N19)	10 Pcs.	2008
701.0482	Collet body for electrode Ø 2.4 mm; (24CB332)	10 Pcs.	2008
701.0483	Collet body for electrode Ø 1.2 mm	10 Pcs.	2008
701.0484	Collet body for electrode Ø 2.0 mm	10 Pcs.	2008
701.1019	Collet for electrode Ø 1.6 mm; 25.4 mm long; (brass)	10 Pcs.	2007
701.1020	Collet for electrode Ø 2.4 mm; 25.4 mm long; (brass)	10 Pcs.	2007
701.1027	Collet for electrode Ø 1.2 mm; 25.4 mm long; (brass)	10 Pcs.	2007
701.1060	Collet for electrode Ø 0.5 mm; 25.4 mm long; (brass)	10 Pcs.	2007
701.1061	Collet for electrode Ø 1.0 mm; 25.4 mm long; (brass)	10 Pcs.	2007
701.1063	Collet for electrode Ø 3.2 mm; 25.4 mm long; (brass)	10 Pcs.	2007
701.1116	Collet body for electrode with gas lens Ø 1.6 mm; (45V116)	5 Pcs.	2016
701.1117	Collet body for electrode with gas lens Ø 2.4 mm; (45V64)	5 Pcs.	2016
701.1118	Collet body for electrode with gas lens Ø 3.2 mm; (995795)	5 Pcs.	2016
701.1121	Ceramic gas nozzle; no. 12; Ø 19.5 mm; 48,0 mm long; (53N87)	10 Pcs.	2004
701.1122	Adaptor (54N63)	5 Pcs.	2003
701.1199	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 48,0 mm long; (57N75)	10 Pcs.	2004
701.1200	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 48,0 mm long; (57N74)	10 Pcs.	2004
701.1201	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 48,0 mm long (53N88)	10 Pcs.	2004
701.1202	Ceramic gas nozzle; Ø 24.0 mm; 34,0 mm long; (53N89)	10 Pcs.	2004
701.1208	Collet body for electrode with gas lens Ø 4.0 mm; (45V63)	5 Pcs.	2016
701.1218	Collet body for electrode Ø 1.0 - 3.2 mm	10 Pcs.	2008
701.1219	Insulator (18CG20)	10 Pcs.	2003
701.1220	Collet for electrode Ø 1.0 mm; 29.5 mm long; (10N22S)	10 Pcs.	2007
701.1221	Collet for electrode Ø 1.6 mm; 29.5 mm long; (10N23S)	10 Pcs.	2007
701.1222	Collet for electrode Ø 2.0 mm; 29.5 mm long	10 Pcs.	2007
701.1223	Collet for electrode Ø 2.4 mm; 29.5 mm long; (10N24S)	10 Pcs.	2007
701.1224	Collet for electrode Ø 3.2 mm; 29.5 mm long; (10N25S)	10 Pcs.	2007
701.1225	Collet for electrode Ø 0.5 mm; 40.0 mm long; (13N20L)	10 Pcs.	2007
701.1226	Collet for electrode Ø 1.0 mm; 40.0 mm long; (13N21L)	10 Pcs.	2007
701.1227	Collet for electrode Ø 1.6 mm; 40.0 mm long; (13N22L)	10 Pcs.	2007
701.1228	Collet for electrode Ø 2.4 mm; 40.0 mm long; (13N23L)	10 Pcs.	2007
701.1229	Collet for electrode Ø 3.2 mm; 40.0 mm long; (13N24L)	10 Pcs.	2007
701.1230	Collet body for electrode with gas lens Ø 0.5 - 1.0 mm; (45V0204S)	5 Pcs.	2016
701.1231	Collet body for electrode with gas lens Ø 1.6 mm; (45V116S)	5 Pcs.	2016
701.1232	Collet body for electrode with gas lens Ø 2.4 mm; (45V64S)	5 Pcs.	2016
701.1233	Collet body for electrode with gas lens Ø 3.2 mm; (995795S)	5 Pcs.	2016
701.1234	Adaptor (54N63-20)	5 Pcs.	2003
701.1286	Insulator	10 Pcs.	2003
701.1287	Collet body for electrode with gas lens Ø 1.0 mm	10 Pcs.	2016
701.1288	Collet body for electrode with gas lens Ø 1.6 mm	10 Pcs.	2016
701.1289	Collet body for electrode with gas lens Ø 2.4 mm	10 Pcs.	2016
701.1290	Collet body for electrode with gas lens Ø 3.2 mm	10 Pcs.	2016
702.0005	Collet for electrode Ø 0.5 mm; 50,0 mm long; (10N21)	10 Pcs.	2007
702.0006	Collet for electrode Ø 1.0 mm; 50,0 mm long; (10N22)	10 Pcs.	2007

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
702.0007	Collet for electrode Ø 1.2 mm; 50.0 mm long	10 Pcs.	2007
702.0008	Collet for electrode Ø 1.6 mm; 50.0 mm long; (10N23)	10 Pcs.	2007
702.0009	Collet for electrode Ø 2.4 mm; 50.0 mm long; (10N24)	10 Pcs.	2007
702.0010	Collet for electrode Ø 3.2 mm; 50.0 mm long; (10N25)	10 Pcs.	2007
702.0011	Collet for electrode Ø 4.0 mm; 50.0 mm long; (54N20)	10 Pcs.	2007
702.0012	Collet for electrode Ø 2.0 mm; 50.0 mm long	10 Pcs.	2007
702.0055	Insulating ring	10 Pcs.	2003
703.0001	Torch body SR / ABITIG® GRIP Little 9 F (flexible); 46.0 mm long		2002
703.0009	Torch body SR / ABITIG® GRIP Little 17 F (flexible); 60.0 mm long		2002
703.0010	Torch body ABITIG® 17 FV (flexible); 80.0 mm long		2002
703.0012	Insulating ring	10 Pcs.	2003
703.0290	Torch body ABITIG® 26 FV (flexible); 80.0 mm long		2002
703.0302	Torch body SR / ABITIG® GRIP Little 20 F (flexible); 46.0 mm long		2002
703.0305	Torch body SR / ABITIG® GRIP Little 20 F (flexible); 75.0 mm long		2002
703.0306	Torch body SR / ABITIG® GRIP Little 20 F (flexible); 110.0 mm long		2002
704.0046	Ceramic gas nozzle; no. 4; Ø 6.5 mm; 43.0 mm long	10 Pcs.	2004
704.0047	Ceramic gas nozzle; no. 5; Ø 8.0 mm; 43.0 mm long	10 Pcs.	2004
704.0048	Ceramic gas nozzle; no. 6; Ø 9.5 mm; 43.0 mm long	10 Pcs.	2004
704.0049	Ceramic gas nozzle; no. 7; Ø 11.0 mm; 43.0 mm long	10 Pcs.	2004
704.0050	Ceramic gas nozzle; no. 8; Ø 12.5 mm; 43.0 mm long	10 Pcs.	2004
704.0051	Ceramic gas nozzle; no. 9; Ø 14.5 mm; 43.0 mm long	10 Pcs.	2004
704.0052	Ceramic gas nozzle; no. 10; Ø 16.0 mm; 48.0 mm long	10 Pcs.	2004
704.0053	Ceramic gas nozzle; no. 11; Ø 17.5 mm	10 Pcs.	2004
705.0001	Torch body SR / ABITIG® GRIP Little 9; 46.0 mm long		2002
705.0007	Torch body ABITIG® 9 V; 60.0 mm long		2002
705.0033	Torch body SR / ABITIG® GRIP Little 17; 65.0 mm long		2002
705.0038	Torch body ABITIG® 17 V; 65.0 mm long		2002
705.0046	Valve ABITIG® 9 V / 17 V / 17 FV		2005
705.0058	Torch body SR / ABITIG® GRIP Little 20; 46.0 mm long		2002
705.0075	Torch body SR / ABITIG® GRIP Little 24 G; 55.0 mm long		2002
705.0080	Torch body SR / ABITIG® GRIP Little 24 W; 55.0 mm long		2002
705.0091	Torch body ABITIG® 26 V; 80.0 mm long		2002
705.0096	Handle tube		2005
705.0097	Valve ABITIG® 26 V / 26 FV		2005
705.1440	Handle tube ABITIG® 9 V / ABITIG® 17 V / ABITIG® 17 FV		2005
705.1519	Component kit for electrode WE-Ø 1.6		2005
705.1520	Component kit for electrode WE-Ø 2.4		2005
706.1037	ABITIG® 17 V; with valve; plug 35-50; 4.00 m long		2012
706.1038	ABITIG® 17 V; with valve; plug 35-50; 8.00 m long		2012
706.1057	ABITIG® 17 V; with valve; plug 10-25; 4.00 m long		2012
706.1058	ABITIG® 17 V; with valve; plug 10-25; 8.00 m long		2012
706.1137	ABITIG® 17 FV; with valve; plug 35-50; 4.00 m long		2012
706.1138	ABITIG® 17 FV; with valve; plug 35-50; 8.00 m long		2012
706.1157	ABITIG® 17 FV; with valve; plug 10-25; 4.00 m long		2012
706.1158	ABITIG® 17 FV; with valve; plug 10-25; 8.00 m long		2012
706.4037	ABITIG® 26 V; with valve; plug 35-50; 4.00 m long		2012
706.4038	ABITIG® 26 V; with valve; plug 35-50; 8.00 m long		2012
706.4137	ABITIG® 26 FV; with valve; plug 35-50; 4.00 m long		2012
706.4138	ABITIG® 26 FV; with valve; plug 35-50; 8.00 m long		2012
706.5057	ABITIG® 9 V; with valve; plug 10-25; 4.00 m long		2012
706.5058	ABITIG® 9 V; with valve; plug 10-25; 8.00 m long		2012
710.0014	Coupling nut G 1/8"	10 Pcs.	9010
712.0020	Torch body ABITIG® GRIP 12-1; 70.0 mm long		2002
712.0051	Back cap, long		2009
712.0053	Back cap, short		2009
712.0062	Collet for electrode Ø 1.6 mm; 64.0 mm long	10 Pcs.	2007

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
712.0063	Collet for electrode Ø 2.4 mm; 64.0 mm long	10 Pcs.	2007
712.0064	Collet for electrode Ø 3.2 mm; 64.0 mm long	10 Pcs.	2007
712.0065	Collet for electrode Ø 4.0 mm; 64.0 mm long	10 Pcs.	2007
712.0072	Collet body for electrode Ø 1.6 mm	10 Pcs.	2008
712.0073	Collet body for electrode Ø 2.4 mm	10 Pcs.	2008
712.0074	Collet body for electrode Ø 3.2 mm	10 Pcs.	2008
712.0075	Collet body for electrode Ø 4.0 mm	10 Pcs.	2008
712.0101	Collet body for electrode with gas lens Ø 1.6 mm		2016
712.0102	Collet body for electrode with gas lens Ø 2.4 mm		2016
712.0103	Collet body for electrode with gas lens Ø 3.2 mm		2016
712.0104	Collet body for electrode with gas lens Ø 4.0 mm		2016
712.0152	Component kit for electrode WE-Ø 2.4		2005
712.0153	Component kit for electrode WE-Ø 3.2		2005
712.0192	Component kit for electrode gas lens WE-Ø 2.4		2005
712.1020	Torch body ABITIG® GRIP 17; 65.0 mm long		2002
712.1030	Torch body ABITIG® GRIP 17 F (flexible); 65.0 mm long		2002
712.1051	Back cap, long	10 Pcs.	2009
712.1053	Back cap, short	10 Pcs.	2009
712.2020	Torch body ABITIG® GRIP 18; 69.0 mm long		2002
712.2030	Torch body ABITIG® GRIP 18 F (flexible); 69.0 mm long		2002
712.2151	Component kit for electrode WE-Ø 1.6		2005
712.2152	Component kit for electrode WE-Ø 2.4		2005
712.2153	Component kit for electrode WE-Ø 3.2		2005
712.2191	Component kit for electrode gas lens WE-Ø 1.6		2005
712.2192	Component kit for electrode gas lens WE-Ø 2.4		2005
712.2193	Component kit for electrode gas lens WE-Ø 3.2		2005
712.2230	Torch body ABITIG® GRIP 18 K (short); 59.0 mm long		2002
712.3020	Torch body ABITIG® GRIP 20; 46.0 mm long		2002
712.3030	Torch body ABITIG® GRIP 20 F (flexible); 46.0 mm long		2002
712.3151	Component kit for electrode WE-Ø 1.6		2005
712.3191	Component kit for electrode gas lens WE-Ø 1.6		2005
712.4020	Torch body ABITIG® GRIP 26; 79.0 mm long		2002
712.4030	Torch body ABITIG® GRIP 26 F (flexible); 79.0 mm long		2002
712.4230	Torch body ABITIG® GRIP 26 K (short); 59.0 mm long		2002
712.5020	Torch body ABITIG® GRIP 9; 46.0 mm long		2002
712.5030	Torch body ABITIG® GRIP 9 F (flexible); 46.0 mm long		2002
712.6020	Torch body ABITIG® GRIP 18 SC; 75.0 mm long		2002
712.6043	Insulating ring	5 Pcs.	2003
712.6064	Collet for electrode HL Ø 3.2 mm; 49.0 mm long; (10N25HD)	10 Pcs.	2007
712.6065	Collet for electrode HL Ø 4.0 mm; 49.0 mm long; (54N20HD)	10 Pcs.	2007
712.6066	Collet for electrode HL Ø 4.8 mm; 49.0 mm long; (18C36)	10 Pcs.	2007
712.6074	Collet body for electrode Ø 0.5 - 3.2 mm; (NCB-53)		2008
712.6076	Collet body for electrode HL Ø 3.2 - 4.8 mm; (NCB-36)		2008
712.6099	Collet body for electrode with gas lens Ø 0.5 mm; (18GL02)		2016
712.6100	Collet body for electrode with gas lens Ø 1.0 mm; (18GL04)		2016
712.6101	Collet body for electrode with gas lens Ø 1,6 mm; (18GL16)		2016
712.6102	Collet body for electrode with gas lens Ø 2.4 mm; (18GL32)		2016
712.6103	Collet body for electrode with gas lens Ø 3.2 mm; (18GL18)		2016
712.6104	Collet body for electrode with gas lens Ø 4.0 mm; (18GL53)		2016
712.6105	Collet body for electrode with gas lens Ø 4.8 mm; (18GL36)		2016
712.6152	Component kit for electrode WE-Ø 2.4		2005
712.6153	Component kit for electrode HL WE-Ø 3.2		2005
712.6192	Component kit for electrode gas lens WE-Ø 2.4		2005
712.6193	Component kit for electrode HL gas lens WE-Ø 3.2		2005
712.7020	Torch body ABITIG® GRIP 24 G; 55,0 mm long		2002
712.7026	Socket		2005

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
712.7120	Torch body ABITIG® GRIP 24 W; 55,0 mm long		2002
717.0014	Powerfitting 3/8"-24G		2005
717.0015	Hose connector for 3/8"-24G		2005
717.0016	Hose connector for G 1/8"	10 Pcs.	2005
726.0002	Cable support 5/8"-18G		2005
729.0057	Double nipple		2101
729.0059	Cold wire feeding tip Ø 1.2 mm		2101
729.0061	Cold wire feeding tip Ø 1.0 mm		2101
729.0062	Cold wire feeding tip Ø 1.6 mm		2101
729.0071	Cold wire feeding tip Ø 0.8 mm		2101
729.0072	Cold wire feeding tip Ø 1.0 mm		2101
729.0073	Cold wire feeding tip Ø 1.2 mm		2101
729.0074	Cold wire feeding tip Ø 1.6 mm		2101
729.0080	Cold wire guide liner 2.0x4.5x45 mm		2101
729.0084	Cold wire feeding cpl. for ABITIG® 260 W		2100
749.1604	BCS-81 connecting module	10 Pcs.	9010
770.0010.1	Torch body ABITIG® GRIP Little 150; 46.0 mm long		2522
770.0081.10	Ceramic gas nozzle 32 mm; ND 6.5 mm	10 Pcs.	2541
770.0082.10	Ceramic gas nozzle 32 mm; ND 8.0 mm	10 Pcs.	2541
770.0083.10	Ceramic gas nozzle 32 mm; ND 9.5 mm	10 Pcs.	2541
770.0084.10	Ceramic gas nozzle 32 mm; ND 11.0 mm	10 Pcs.	2541
770.0130.1	Torch body ABITIG® GRIP 150 Little (flexible); 46.0 mm long		2522
770.0501	BCS-02 connecting module		2555
770.0502	BCS-01 connecting module		2555
770.0503	BCS-26 connecting module		2005
770.0516	BCS-02 connecting module		2005
770.0518	BCS-01 connecting module		2005
770.0521	BCS-20 connecting module		2555
770.0522	BCS-20 connecting module		2005
770.0523	BCS-20 connecting module		2005
770.0531	BCS-03 connecting module		2555
770.0541	BCS-04 connecting module		2555
770.0551	BCS-04 connecting module		2005
770.0557	BCS-04 connecting module		2005
770.0558	BCS-27 connecting module		2005
770.0560	Cable support machine side		2005
770.0561	BCS-05 connecting module		2555
770.0562	BCS-05 connecting module		2005
770.0571	BCS-06 connecting module		2555
770.0573	BCS-06 connecting module		2005
770.0576	BCS-34 connecting module		2005
770.0577	BCS-34 connecting module		2005
770.0581	BCS-03 connecting module		2005
770.0583	BCS-03 connecting module		2005
770.0584	BCS-36 connecting module		2005
770.0585	BCS-36 connecting module		2005
770.0586	BCS-36 connecting module		2555
770.0591	BCS-23 connecting module		2005
770.0593	BCS-37 connecting module		2005
770.0594	BCS-37 connecting module		2005
770.0595	BCS-37 connecting module		2555
770.0599	BCS-38 connecting module		2005
771.0051	Back cap, medium		2545
771.0502	Distance ring		9010
771.0509	BCS-07 connecting module		2005
771.0521	BCS-00 connecting module		2005

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
771.0525	BCS-22 connecting module		2005
771.0562	BCS-11 connecting module		2005
771.0563	BCS-09 connecting module		2005
771.0572	BCS-08 connecting module		2005
771.0573	BCS-14 connecting module		2005
771.0574	BCS-15 connecting module		2005
771.0575	BCS-24 connecting module		2005
772.0010.1	Torch body ABITIG® GRIP Little 260 W; 46.0 mm long		2522
772.0505	Connector		2005
772.0509	BCS-07 connecting module		2005
772.0512	BCS-02 connecting module		2005
772.0514	BCS-07 connecting module		2555
772.0515	BCS-26 connecting module		2555
772.0516	BCS-26 connecting module		2005
772.0519	Cable support machine side		2005
772.0521	BCS-08 / BCS-10 connecting module		2555
772.0531	BCS-12 connecting module		2555
772.0543	Cable support machine side		2555
772.0561	BCS-15 connecting module		2555
772.0571	BCS-16 connecting module		2555
772.0581	BCS-17 connecting module		2005
772.0582	BCS-17 connecting module		2555
772.0586	BCS-12 connecting module		2005
772.0587	BCS-16 connecting module		2005
772.0591	BCS-19 connecting module		2555
772.0597	Adaptor nut		2005
773.0051	Back cap, long		2545
773.0053	Back cap, short		2545
773.0171	Gas diffuser for electrode WE-Ø 1.0 mm		2548
773.0172	Gas diffuser for electrode WE-Ø 1.6 mm		2548
773.0173	Gas diffuser for electrode WE-Ø 2.4 mm		2548
773.0174	Gas diffuser for electrode WE-Ø 3.2 mm		2548
773.0175	Gas diffuser for electrode WE-Ø 4.0 mm		2548
773.0176	Gas diffuser for electrode WE-Ø 4.8 mm		2548
773.0177	Gas diffuser for electrode WE-Ø 2.0 mm		2548
773.0501	BCS-18 connecting module		2005
773.0511	BCS-19 connecting module		2005
773.0519	Nipple		2005
773.0531	BCS-21 connecting module		2555
773.0534	BCS-21 connecting module		2005
773.0536	BCS-25 connecting module		2005
773.0537	BCS-33 connecting module		2005
773.0538	BCS-33 connecting module		2555
773.0551	BCS-25 connecting module		2005
773.0553	BCS-25 connecting module		2555
773.0556	BCS-33 connecting module		2005
773.0558	BCS-35 connecting module		2005
773.0559	BCS-35 connecting module		2555
774.0010	Torch body ABITIG® GRIP 200; 80.0 mm long		2522
774.0130	Torch body ABITIG® GRIP 200 F (flexible); 80.0 mm long		2522
774.0183	Component kit standard for electrode WE-Ø 2.4		2550
774.0184	Component kit standard for electrode WE-Ø 3.2		2550
774.0186	Component kit standard for electrode WE-Ø 4.8		2550
774.0193	Component kit gas diffusor for electrode WE-Ø 2.4		2550
774.0194	Component kit gas diffusor for electrode WE-Ø 3.2		2550
774.0196	Component kit gas diffusor for electrode WE-Ø 4.8		2550

## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
774.0230	Torch body ABITIG® GRIP 200 K (short); 60.0 mm long		2522
775.0010	Torch body ABITIG® GRIP 450 W; 80.0 mm long		2522
775.0062	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	2548
775.0063	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	2548
775.0064	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	2548
775.0065	Electrode holder for electrode WE Ø 4.0 mm	5 Pcs.	2548
775.0066	Electrode holder for electrode WE Ø 4.8 mm	5 Pcs.	2548
775.0067	Electrode holder for electrode WE Ø 2.0 mm	5 Pcs.	2548
775.0081	Ceramic gas nozzle 37.4 mm; ND 7.5 mm	10 Pcs.	2541
775.0082	Ceramic gas nozzle 37.4 mm; ND 10.5 mm	10 Pcs.	2541
775.0083	Ceramic gas nozzle 37.4 mm; ND 13.0 mm	10 Pcs.	2541
775.0084	Ceramic gas nozzle 37.4 mm; ND 15.0 mm	10 Pcs.	2541
775.0108	Retaining ring		2555
775.0122	Gas diffuser 4 for electrode WE-Ø 1.6 mm		2548
775.0123	Gas diffuser 4 for electrode WE-Ø 2.4 mm		2548
775.0124	Gas diffuser 4 for electrode WE-Ø 3.2 mm		2548
775.0125	Gas diffuser 4 for electrode WE-Ø 4.0 mm		2548
775.0126	Gas diffuser 4 for electrode WE-Ø 4.8 mm		2548
775.0152	Ceramic gas nozzle 26.6 mm; ND 10.0 mm	10 Pcs.	2541
775.0153	Ceramic gas nozzle 26.6 mm; ND 13.0 mm	10 Pcs.	2541
775.0183	Ceramic gas nozzle 38.4 mm; ND 13.0 mm (reenforced)	10 Pcs.	2541
775.0184	Ceramic gas nozzle 38.4 mm; ND 15.0 mm (reenforced)	10 Pcs.	2541
775.0230	Torch body ABITIG® GRIP 450 W K (short); 60.0 mm long		2522
775.1043	Insulator		2555
775.1143	Insulator for gas diffusor 4		2555
775.1341	Cable support spring		2555
775.2171	Ceramic gas nozzle 51.5 mm; ND 7.5 mm	10 Pcs.	2541
775.2172	Ceramic gas nozzle 51.5 mm; ND 10.0 mm	10 Pcs.	2541
775.2173	Ceramic gas nozzle 51.5 mm; ND 13.0 mm	10 Pcs.	2541
775.2174	Ceramic gas nozzle 51.5 mm; ND 16.0 mm	10 Pcs.	2541
775.2541	ABITIG® 450 W with cold wire feed (4.00 m; BIS-25; BHC-12; WZ-2)		2502
776.0010	Torch body ABITIG® GRIP 150; 60.0 mm long		2522
776.0051	Back cap, long		2545
776.0053	Back cap, short		2545
776.0061	Electrode holder for electrode WE Ø 1.0 mm	5 Pcs.	2548
776.0062	Electrode holder for electrode WE Ø 1.6 mm	5 Pcs.	2548
776.0063	Electrode holder for electrode WE Ø 2.4 mm	5 Pcs.	2548
776.0064	Electrode holder for electrode WE Ø 3.2 mm	5 Pcs.	2548
776.0067	Electrode holder for electrode WE Ø 2.0 mm	5 Pcs.	2548
776.0130	Torch body ABITIG® GRIP 150 F (flexible); 60.0 mm long		2522
776.0171	Gas diffuser for electrode WE-Ø 1.0 mm		2548
776.0172	Gas diffuser for electrode WE-Ø 1.6 mm		2548
776.0173	Gas diffuser for electrode WE-Ø 2.4 mm		2548
776.0174	Gas diffuser for electrode WE-Ø 3.2 mm		2548
776.0177	Gas diffuser for electrode WE-Ø 2.0 mm		2548
776.0441	Adaptor ring		2555
776.0443	Insulator for gas diffuser 4		2555
776.1043	Insulator	10 Pcs.	2555
777.0010	Torch body ABITIG® GRIP 260 W; 60.0 mm long		2522
777.0081	Ceramic gas nozzle 26 mm; ND 6.5 mm	10 Pcs.	2541
777.0082	Ceramic gas nozzle 26 mm; ND 8.0 mm	10 Pcs.	2541
777.0083	Ceramic gas nozzle 26 mm; ND 9.5 mm	10 Pcs.	2541
777.0084	Ceramic gas nozzle 26 mm; ND 11.0 mm	10 Pcs.	2541
777.0182	Component kit standard for electrode WE-Ø 1.6		2550
777.0183	Component kit standard for electrode WE-Ø 2.4		2550
777.0184	Component kit standard for electrode WE-Ø 3.2		2550

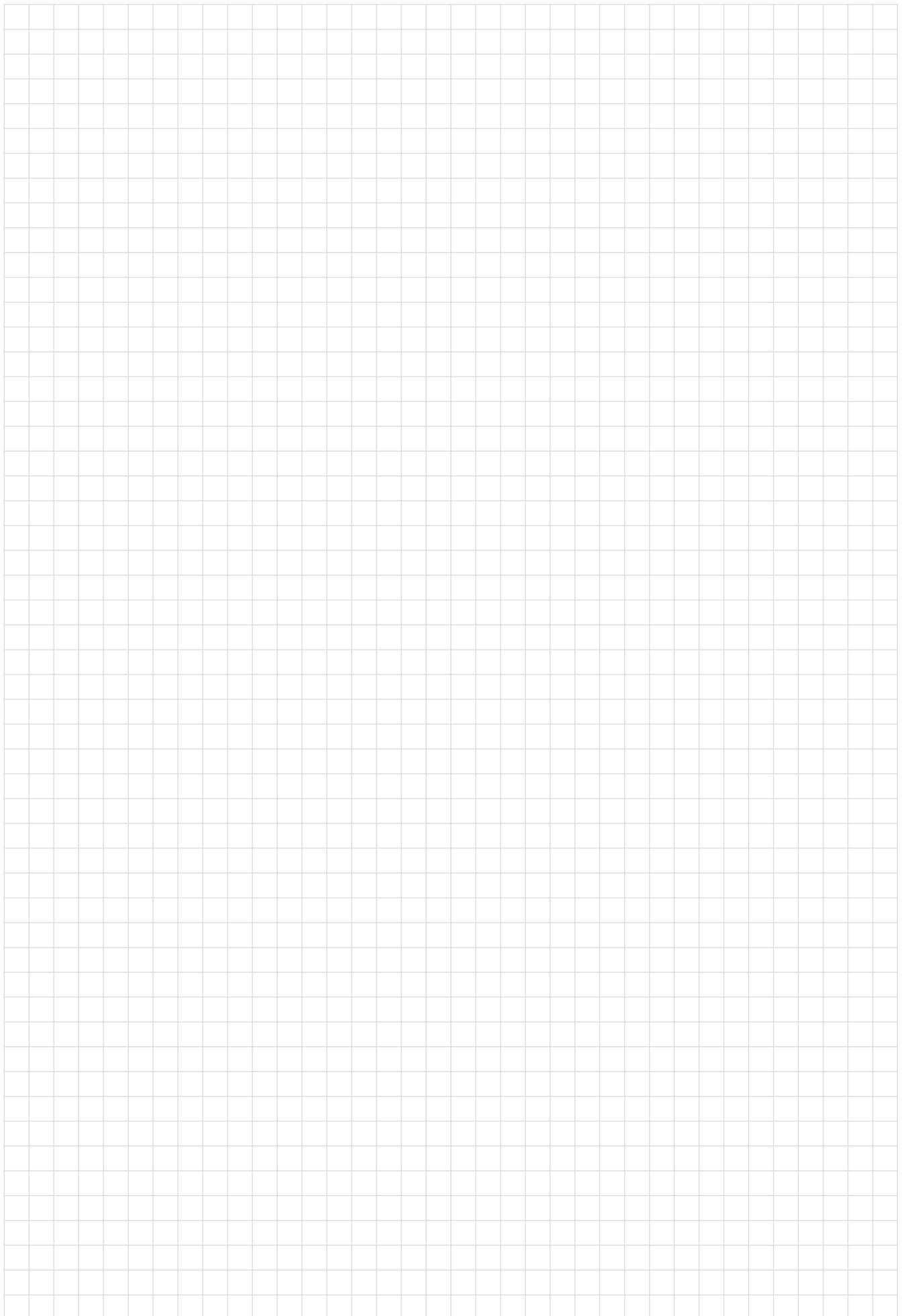
## Spare Parts List (numerical)

Ident-No.	Description	Units	Product-group
777.0192	Component kit gas diffusor for electrode WE-Ø 1.6		2550
777.0193	Component kit gas diffusor for electrode WE-Ø 2.4		2550
777.0194	Component kit gas diffusor for electrode WE-Ø 3.2		2550
777.2005	ABITIG® 260 W with cold wire feed (4.00 m; BIS-25; BHC-12; WZ-2)		2502
777.2171	Ceramic gas nozzle 36 mm; ND 6.5 mm	10 Pcs.	2541
777.2172	Ceramic gas nozzle 36 mm; ND 8.0 mm	10 Pcs.	2541
777.2173	Ceramic gas nozzle 36 mm; ND 9.5 mm	10 Pcs.	2541
777.2174	Ceramic gas nozzle 36 mm; ND 11.0 mm	10 Pcs.	2541
777.2175	Ceramic gas nozzle 60 mm; ND 6.5 mm	10 Pcs.	2541
777.2176	Ceramic gas nozzle 60 mm; ND 8.0 mm	10 Pcs.	2541
778.1020	Torch body ABITIG® 150 MT		2532
778.1030	Guide tube cpl. ABITIG® 200 MT / ABITIG® 300 W MT		2555
778.1109	Sieve		2555
778.1140	Collet		2555
778.1142	Adaptor part WE-Ø 1.6 mm		2555
778.1143	Adaptor part WE-Ø 2.4 mm		2555
778.1144	Adaptor part WE-Ø 3.2 mm		2555
778.1145	Adaptor part WE-Ø 4.0 mm		2555
778.1146	Adaptor part WE-Ø 4.8 mm		2555
778.1148	Gas diffuser 4-MT for electrode WE-Ø 1.6 - 4.8 mm		2548
778.1157	Alignment jig ABITIG® MT		2555
778.1183	Ceramic gas nozzle 50 mm; ND 12.5 mm	10 Pcs.	2541
778.1184	Ceramic gas nozzle 50 mm; ND 16.0 mm	10 Pcs.	2541
778.1185	Ceramic adaptor		2541
778.1186	Gas nozzle metal 48 mm; ND 16.0 mm		2541
778.1187	Gas nozzle metal 48 mm; ND 19.0 mm		2541
778.1188	Ceramic gas nozzle 50 mm; ND 19.5 mm	10 Pcs.	2541
778.1189	Ceramic gas nozzle 34 mm; ND 24.0 mm	10 Pcs.	2541
778.2020	Torch body ABITIG® 200 MT		2532
779.1020	Torch body ABITIG® 260 W MT		2532
779.1030	Guide tube cpl. ABITIG® 150 MT / ABITIG® 260 W MT		2555
779.1043	Insulator		2555
779.2020	Torch body ABITIG® 300 W MT		2532
779.4020	Torch body ABITIG® 400 W MT		2532
779.4030	Guide tube cpl. ABITIG® 400 W MT		2555
779.4043	Insulator		2555
779.6020	Torch body ABITIG® 500 W MT		2532
779.6026	Guide tube cpl. ABITIG® 500 W MT		2555
779.6033	Insulator		2555
779.6044	Electrode holder for electrode WE Ø 1.6 mm		2548
779.6045	Electrode holder for electrode WE Ø 2.4 mm		2548
779.6046	Electrode holder for electrode WE Ø 3.2 mm		2548
779.6047	Electrode holder for electrode WE Ø 4.0 mm		2548
779.6048	Electrode holder for electrode WE Ø 4.8 mm		2548
779.6049	Electrode holder for electrode WE Ø 2.0 mm		2548
779.6050	Electrode holder for electrode WE Ø 6.4 mm		2548
779.6058	Gas diffuser for electrode WE-Ø 1.6 mm		2548
779.6059	Gas diffuser for electrode WE-Ø 2.4 mm		2548
779.6060	Gas diffuser for electrode WE-Ø 3.2 mm		2548
779.6061	Gas diffuser for electrode WE-Ø 4.0 mm		2548
779.6062	Gas diffuser for electrode WE-Ø 4.8 mm		2548
779.6063	Gas diffuser for electrode WE-Ø 2.0 mm		2548
779.6064	Gas diffuser for electrode WE-Ø 6.4 mm		2548
780.0145	Torch mount MT-30		5207
780.0222	Torch mount MT-25		2555
780.0258	Torch mount MT-26		5207





## Notes



# Standard Terms and Conditions of Deliveries and Services (Terms and Conditions of Sale) of Alexander Binzel Schweisstechnik GmbH & Co. KG

## § 1 Validity of the Terms and Conditions of Business

- 1.1 All our deliveries, services and tenders take place exclusively on the basis of these Standard Terms and Conditions of Deliveries and Services Payment (hereinafter called "these business conditions"). These business conditions are an element of all agreements that we conclude with our contractual partners (hereinafter called "customers").
- 1.2 The customer's Standard Terms and Conditions of Business do not apply, even if we do not contradict their validity in individual cases. Neither does reference to a letter that contains the customer's or a third party's Standard Terms and Conditions of Business, or refers to such, constitute an agreement with the validity of the aforesaid Standard Terms and Conditions of Business. They also do not become a contractual element through conclusive actions, such as the production of a performance by us.
- 1.3 The business conditions apply to all agreements on deliveries and services on our part, as well as all peripheral services. These business conditions are valid for all future deliveries and services on our part even without a separate agreement of inclusion.

## § 2 Tender and conclusion of the agreement

- 2.1 Insofar as our tenders are marked expressly as being subject to change, we can also revoke these immediately after receipt of acceptance by the customer.
- 2.2 The customer does not acquire any copyright in any tenders or cost estimates submitted by us, nor to any drawings, illustrations, calculations, descriptions, models, tools and other documents and material resources made available to him. This also applies to those materials and documents mentioned that are expressly labelled "confidential" or whose confidential character arises from the circumstances. The passing on of the abovementioned materials and documents to third parties requires at any rate our permission. The customer must ensure this by appropriate agreements with his employees or any other persons who work with knowledge and consent in his area of responsibilities. The abovementioned materials and documents must be returned immediately at the customer's expense, if an agreement does not come into being or they are no longer required for further contractual implementation.

## § 3 Prices

- 3.1 Unless otherwise stated in the order confirmation, our prices are valid "ex Works", excluding packaging; this will be charged separately.
- 3.2 Legal value-added tax is not included in our prices. It is shown separately in the invoice in the amount legally prescribed on the day of invoicing. In the case of foreign transactions, the value-added tax no longer applies; however, the recipient must pay the taxes and fees incurred for the transfer into the recipient's country, especially customs duties and the additional legal taxes or charges incurred in the recipient's country itself.
- 3.3 The deduction of a discount for cash requires a separate agreement. The customer's Standard Terms and Conditions of Business, which call for the deduction of a cash discount, do not apply.

## § 4 Implementation of the deliveries and services, delivery and service times

- 4.1 Unless otherwise agreed, the delivery takes place "ex Works".
- 4.2 The start of the delivery or service time stated by us presupposes the clarification of all technical issues.
- 4.3 Furthermore, the observance of our delivery and service obligations presupposes the customer's punctual and proper performance. We are fully entitled to the plea of non-performance.
- 4.4 If the person ordering is in default of taking delivery or infringes any other duties to cooperate, we are entitled to request replacement of any loss incurred by us in this respect, including any additional expenditure. More extensive claims remain unaffected.
- 4.5 Insofar as the conditions of § 4 (4) are met, the risk of accidental loss or unintentional deterioration of the object to be delivered passes to the customer at that point in time, when he has fallen into default of taking delivery.
- 4.6 If it has been agreed with the customer that our delivery or service does not have to take place at a fixed time, but within a certain period, we are entitled to deliver or produce our performance before the expiration of the period also. If a fixed date has been agreed with the customer, we are entitled to premature delivery or production of the performance, after having given the customer reasonable notice of this before delivery or production of the performance. This does not apply, if the delivery can only take place on the agreed date for reasons discernible for us.
- 4.7 Unless otherwise agreed, the customer, in the case of agreements that entitle him to request partial deliveries from a total quantity of goods, is obligated to give us punctual requests and assortment plans for approximate identical monthly quantities. If the customer does not request delivery punctually or does not plan in good time, we are entitled to take over the planning ourselves and to deliver the goods after a reasonable extended deadline has passed fruitlessly. If the customer fails to request delivery at all or in good time or fails to plan at all or in good time we are entitled to withdraw from the entire agreement after prior warning. Any compensation claims to which we are legally entitled remain at any rate unaffected.
- 4.8 With regard to order for goods to be delivered on demand according to § 4 (7) of these business conditions, we are entitled, unless otherwise agreed, to procure the material for the entire order and to manufacture the entire quantity ordered immediately. Requests from the customer for changes can no longer be taken into consideration after the order has been placed.
- 4.9 Increased or short deliveries are permissible in accordance with ordinary trade usage.

## § 5 Delays in delivery

- 5.1 Stoppages caused by force majeure, strikes for which we are not responsible or lock-outs or a lack of operating and/or raw materials entitle us, to withdraw from the not yet fulfilled agreement, if the abovementioned circumstances make delivery or performance impossible not only temporarily and in addition were not discernible on conclusion of the agreement.
- 5.2 If we are in delay with a delivery or service or if a delivery or service becomes impossible for us, the customer's claim for compensation is restricted subject to § 9 of these business conditions.

## § 6 Place of performance, shipment, packaging, passing of the risk

- 6.1 The place of performance for all obligations from the contractual relationship with the customer is Buseck/Alten-Buseck.
- 6.2 Unless otherwise agreed, we will select the most economical packaging known to us and the most economical type of shipment known to us.
- 6.3 Unless otherwise agreed, the risk passes to the customer at the latest with the handover of the delivered objects to the shipping contractor, carrier or other company appointed with the implementation of the consignment. § 4 (4) remains unaffected.
- 6.4 The shipment will only be insured by us against theft, breakage, damage during transport, fire and water damage or any other insurable risks at the express written request of the customer and at his expense.
- 6.5 We will only take back packaging in our storehouses (return depots). The customer pays the costs of transporting the packaging to the respective return depot. If packaging different from the standard packaging (special packaging) is used at the customer's request, the customer is obliged to recycle or dispose of this at his own expense.

## § 7 Customer's claims in case of defects or incomplete deliveries and services

- 7.1 The objects delivered by us must be carefully examined immediately after delivery to the customer or to the third party appointed by him. They are considered approved, if a complaint, that could have been discovered on careful examination, is not reported in writing within three days after

receipt of the goods, the date of sending the complaint to us being decisive. If the defect was not noticeable by careful examination, the obligation to report the complaint immediately in writing is valid from the time of discovery.

- 7.2 If a delivery or service defect exists, for which we are responsible, we are obliged, at our option, to remedy the defect or deliver a replacement. In the case of remedying the defect, we are obliged to pay all costs required to remedy the defect, in particular transport, labour and material costs, unless these are increased by the fact that the purchased object was taken to a different location than the original place of consignment. This does not apply, if transporting the delivered object to another location corresponds to its agreed use. If we select subsequent performance in the form of replacement, the delivered objects with failures must be sent back to us carriage paid, whereby the customer is obliged to select the most economical type of shipment.
- 7.3 The limitation period for claims based on quality defects. The warranty period amounts to one year and begins with the time of delivery to the customer or to a third party appointed by the customer.
- 7.4 The delivery of used objects takes place excluding any warranty whatsoever.

## § 8 Purchase of consumer goods

§ 7 (3) does not apply, if the newly manufactured objects delivered by us are sold to consumers, also within the context of a chain of suppliers.

## § 9 Compensatory damages

- 9.1 We are only liable - regardless of for which legal reason - for the wilful and gross negligent conduct of our agencies and vicarious agents as well as - without regard to the degree of culpability - for damages from injury to life, body or health.
- 9.2 We are also responsible for slight negligence by our agencies and vicarious agents in the event of delay in performance or infringement of any other cardinal duty. In such a case our liability is restricted to damage that has to be reasonably expected when concluding such an agreement.
- 9.3 All limitations of liability also apply in the event that the infringement of contractual duties simultaneously represents an actionable tort.

## § 10 Reservation of ownership

- 10.1 We retain the right to ownership of the delivered object until all payments from the delivery agreement have been received. In the event of breach of contract by the customer, especially in the case of default of payment, we are entitled to take the delivered object back after a reasonable extended deadline has passed fruitlessly. Taking back the delivered object does not signify a withdrawal from the agreement, unless expressly declared by us in writing. The seizure of the delivered goods/object by us invariably represents a withdrawal from the agreement. After repossessing taking back the delivered goods/object, we are authorised to sell them; the proceeds from the sale will be deducted from the customer's liabilities - minus reasonable realisation costs.
- 10.2 The customer is obliged to keep the delivered objects in safe custody for us and to treat them with care.
- 10.3 In the event of seizures or any other third-party encroachments on our delivered objects, the customer must notify us immediately in writing so that we can take legal action according to § 771 Civil Procedure Rules (ZPO). If the third party is not in a position to refund us the legal and out-of-court costs of a lawsuit according to § 771 ZPO, the customer person ordering is liable for the loss incurred by us.
- 10.4 The customer is entitled to re-sell the delivered object in the normal course of business; however, he now already assigns us all demands amounting to the final invoice amount (including value-added tax) of our demand arising against his customers or third parties from the resale, regardless of whether the delivered object is re-sold with or without processing. The customer is also authorised to collect this demand after the assignment. Our authorisation to collect the demand ourselves remains unaffected by this. However, we agree not to collect the demand as long as the customer fulfils his payment obligations from the collected revenue, does not fall behind in his payments, and in particular no application for commencement of insolvency proceedings has been filed or there is a suspension of payments. However, if this is the case, we can request that the customer informs us of the assigned demands and their debtor immediately, gives us all details necessary for their collection, hands over the relevant documentation and notifies the debtor (third party) of the assignment immediately and informs us thereof by means of a copy/accompanying letter.
- 10.5 The processing or transformation of the delivered objects by the customer will always be carried out on our behalf by us. If the delivered object is processed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other processed objects at the time of processing. The same provisions apply otherwise for the object created by the aforesaid processing as for the object delivered with reservations.
- 10.6 If the delivered object is inseparably mixed with other objects that do not belong to us, we acquire co-ownership of the new object in the ratio of the value of the delivered object (final invoice amount including value-added tax) to the other mixed objects at the time of mixing. If the mixing takes place in a way in which the customer's object is to be regarded as the main object, it is considered agreed that the customer will transfer proportionate co-ownership to us. The customer will safeguard the created sole ownership or co-ownership for us.
- 10.7 At the customer's request, we undertake to release the securities to which we are entitled insofar as the feasible value of our securities exceeds the demands to be safeguarded by more than 10 %; we are entitled to select the securities to be released.

## § 11 Terms of payment

- 11.1 Unless otherwise agreed, our invoice amounts are payable within 30 days without any deduction. On expiration of this deadline, the customer is in default of payment without a warning on our part being required.
- 11.2 The customer may not exercise any right of set-off unless his/its counterclaim shall be undisputed or conclusively ruled upon. The same applies to the assertion of a right of retention.

## § 12 Written form and final provisions

- 12.1 Any regulations deviating from these business conditions require the written form. This does not apply to regulations, which have been agreed from our side with Managing Directors or authorised signatories.
- 12.2 The legal venue for any disputes from the business relationship between us and the customer is Gießen. However, we are also entitled to take legal action against the customer at his standard legal venue as well as at the location to which the delivered object was sent at the customer's request.
- 12.3 All legal relationships in connection with entering in, performing under or termination of this agreement shall be governed and construed in all respects in accordance with the laws of the Federal Republic of Germany with the exclusion of the Convention on Contracts for the International Sale of Goods (CISG). This also applies, if the legal relationships arise from tort or based on any other legal bases.

## Our product range:

### ■ MIG/MAG

- Welding Torches
- Machine and Special Torches
- Push-Pull Welding Torches
- Fume Extraction Torches
- Central Adaptor System

### ■ TIG

- Welding Torches
- Machine and Special Torches

### ■ PLASMA

- Cutting Torches
- Welding Torches
- Machine and Special Torches

### ■ Robotic Peripheral Equipment

- Robot Torches  
MIG/TIG/Plasma
- Robot Mount CAT2/iCAT
- Torch Change System  
ATS-Rotor
- Tool Change System WWS
- Wire Cutting Station DAV
- Torch Cleaning Station  
BRS-LC, BRS-CC and BRS-FP
- Wire Feeding Station APD-MF

### ■ Welding Accessories

- Coolers
- Welding Cable Plug and Socket
- Anti Spatter Spray and Paste  
and so on ...



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