

MIG/MAG



Product Catalogue 2.0 / V2



Content

MIG/MAG-Schweißbrenner

- MIG/MAG Welding Torches „MB GRIP“ air cooled Page 04-05
MB GRIP 15 AK / 25 AK

- MIG/MAG Welding Torches „MB GRIP“ air cooled Page 06-07
MB GRIP 24 KD / 26 KD / 36 KD

- MIG/MAG Welding Torches „MB GRIP“ liquid cooled Page 08-09
MB GRIP 240 D / 401 D / 401 / 501 D / 501

- MIG/MAG Welding Torches „MB“ luft- und liquid cooled Page 10-11
MB 15 AK / 15 AK-FX / 25 AK / 25 AK-FX
MB 24 KD / 26 KD / 36 KD
MB 240 D / 401 D / 401 / 501 D / 501

- MIG/MAG Welding Torches „RMB“ air cooled Page 12-13
RMB 15 / 25 / 24 / 26 / 36

- MIG/MAG Welding Torches „ABIMIG® GRIP“ air cooled Page 14-17
ABIMIG® GRIP A 155 / 255 / 305 / 355 / 405

- MIG/MAG Welding Torches „ABIMIG®“ air cooled Page 18-21
ABIMIG® 155 / 155 T / 255 / 255 T
ABIMIG® 305 / 305 TM / 355 / 355 TM / 455 / 455 T8M

- MIG/MAG Welding Torches „ABIMIG®“ liquid cooled Page 22-23
ABIMIG® 240 D WT / 401 D WT / 401 WT / 501 D WT / 501 WT

- MIG/MAG Welding Torches „ABIMIG® GRIP“ liquid cooled Page 24-27
ABIMIG® GRIP W 555 D / 555 / 605 / 605 D / 605 C

- MIG/MAG Welding Torches „ABIMIG®“ liquid cooled Page 28-29
ABIMIG® 452 W / 452 D W / 452 D W TS / 645 W

- MIG/MAG Welding Torches Push-Pull „PP“ air and liquid cooled Page 30-31
PP 24 D / 36 D / 240 D / 401 D

- MIG/MAG-Fume Extraction Torches „RAB Plus“ air and liquid cooled Page 32-33
RAB Plus 15 AK / 24 KD / 25 AK / 36 KD / 240 D / 501 D / 501 /
RAS-Set / Fume extraction devices

- MIG/MAG-Machine Torches air and liquid cooled Page 34-35
AUT / ABIMIG® MT

Central adapter and central connector system

- The universal connection ... Page 36-39

Central adapter with spring contacts

- Flexible contacting ... Page 40

Cooling Recirculators

- WK 23 / WK 43 Page 41

Welding Accessories

- Anti-Spatter Spray, Duesofix, Wire Cleaning Set, Special Coolant and so on ... Page 42-43

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 variants is the finest solution of its kind. It combines progressive technology and quality with optimum ergonomics, enabling trouble-free operation for every application.

"GRIP" and ball joint on the handle guarantee high gripping security as well as optimal handling. All torches are thoroughly designed to provide comfortable and precise operation.

- Ergonomic short handle with "GRIP" – for best accessibility
- "GRIP", soft components on the handle and thumb rest – positive handling even in extrem circumstances
- Ball joint with optimal turning 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 stability 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 ₂ 150 A Mixed Gases M21 (DIN EN 439)
Duty cycle:	60%
Wire size:	0.6-1.0 mm

MB GRIP 25 AK

Technical data (EN 60 974-7):

Rating:	230 A CO ₂ 200 A Mixed Gases M21 (DIN EN 439)
Duty cycle:	60%
Wire size:	0.8-1.2 mm

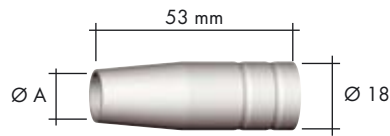
Torch complete* Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB GRIP 15 AK	GRIP	002.0604	002.0605	002.0606	50°	002.0009
MB GRIP 25 AK	GRIP	004.0510	004.0511	004.0512	50°	004.0012

*All torches are equipped including central adapter with spring pins.

MB GRIP 15, MB GRIP 25

Wear parts

MB GRIP 15 AK

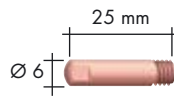


MB GRIP 25 AK



Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075	Ø 15	145.0076
Conical	Ø 9.5	145.0123	Ø 11.5	145.0124



Contact tip (10 pcs.)

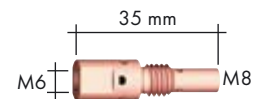
		M6	M6
E-Cu	Ø 0.6	140.0008	-
	Ø 0.8	140.0059	140.0051
	Ø 1.0	140.0253	140.0242
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.6	140.0855	-
	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382

Nozzle spring (20 pcs.)



	002.0058	003.0013
--	----------	----------

Gas nozzle holder / Contact tip holder



M6	002.0078	142.0001 (10 pcs.)
----	----------	--------------------

Liner		for 3 m			for 4 m			for 5 m		
Insulated liner	Ø 0.6		124.0011		124.0012		124.0015		124.0015	
	Ø 0.8		124.0011		124.0012		124.0015		124.0015	
	Ø 1.0		124.0026		124.0031		124.0035		124.0035	
	Ø 1.2		124.0026		124.0031		124.0035		124.0035	
PTFE liner	Ø 0.6		126.0005		126.0008		126.0011		126.0011	
	Ø 0.8		126.0005		126.0008		126.0011		126.0011	
	Ø 1.0		126.0021		126.0026		126.0028		126.0028	
	Ø 1.2		126.0021		126.0026		126.0028		126.0028	
Carbon PTFE liner	Ø 0.6		127.0002		127.0003		127.0004		127.0004	
	Ø 0.8		127.0002		127.0003		127.0004		127.0004	
	Ø 1.0		127.0005		127.0007		127.0008		127.0008	
	Ø 1.2		127.0005		127.0007		127.0008		127.0008	



MIG/MAG Welding Torches "MB GRIP" air cooled

Rating 220 A up to 320 A

- Ergonomic short handle with "GRIP" - for best accessibility
- "GRIP", soft components on the handle and thumb rest - positive handling even in extrem circumstances
- Ball joint with optimal turning 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 stability 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 CO₂
220 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.8-1.2 mm

MB GRIP 26 KD

Technical data (EN 60 974-7):

Rating: 270 A CO₂
240 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.8-1.2 mm

MB GRIP 36 KD

Technical data (EN 60 974-7):

Rating: 320 A CO₂
290 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

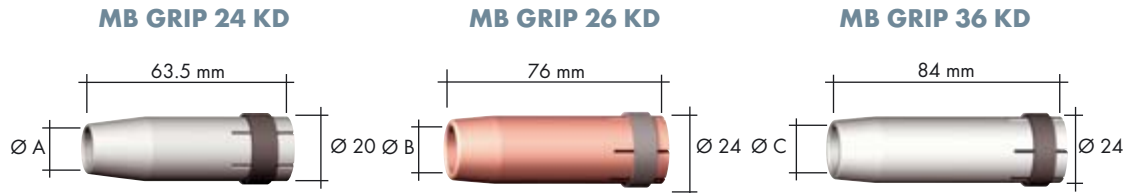
Wire size: 0.8-1.2 mm

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

*All torches are equipped including central adapter with spring pins.

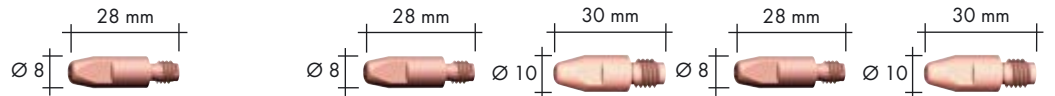
MB GRIP 24, MB GRIP 26, MB GRIP 36

Wear parts



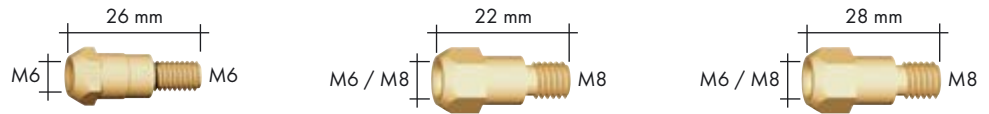
Gas nozzle (10 pcs.)

	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	Ø 16	145.0085	Ø 16	145.0078
Conical	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126



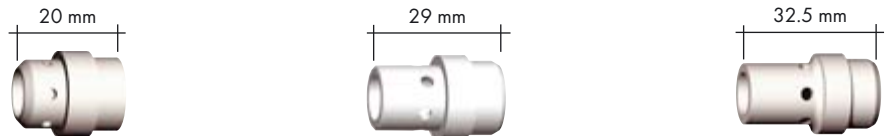
Contact tip (10 pcs.)

		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	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	142.0007	142.0005
M8	-	142.0082	142.0020



Gas diffuser (10 pcs.)

Standard	012.0183	018.0116	014.0261
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	124.0031	124.0035	Ø 1.2	124.0026	124.0031
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 PTFE liner	Ø 1.0	127.0005	127.0007	127.0008	Ø 1.2	127.0005	127.0007	127.0008			

MIG/MAG Welding Torches "MB GRIP" liquid cooled

Rating 270 A up to 550 A

- Ergonomic short handle with "GRIP" - for best accessibility
- "GRIP", soft components on the handle and thumb rest - positive handling even in extrem circumstances
- Ball joint with optimal turning 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 mature and 100% reliable



MB GRIP 240 D*

Technical data (EN 60 974-7):

Rating: 300 A CO₂
270 A Mixed Gases
M21 (DIN EN 439)

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 CO₂
350 A / 400 A Mixed Gases
M21 (DIN EN 439)

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 CO₂
450 A / 500 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0-1.6 mm

* Note:

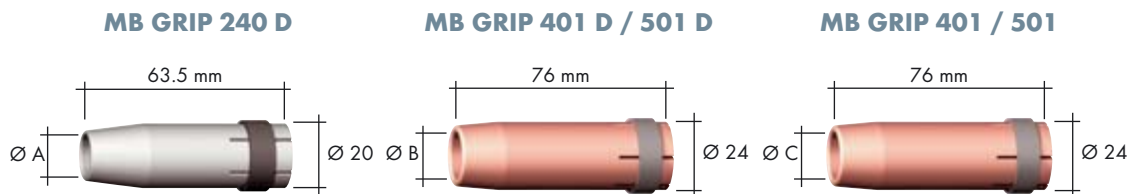
To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

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

**All torches are equipped including central adapter with spring pins.

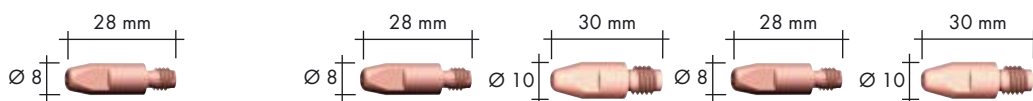
MB GRIP 240, MB GRIP 401 / 501

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	Ø 16	145.0085	Ø 16	145.0085
Conical	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	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	142.0008	-
M8	-	142.0022	-



Gas diffuser (10 pcs.)

Standard	012.0183	030.0145	030.0145
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					
	Ø 1.0	122.0031			122.0036			122.0039					
	Ø 1.2	122.0031			122.0036			122.0039					
	Ø 1.6	122.0056			122.0060			122.0063					
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			127.0004					
	Ø 1.2	127.0005			127.0007			127.0008					
	Ø 1.6	127.0010			127.0012			127.0013					

MIG/MAG Welding Torches "MB" air and liquid cooled

Rating 150 A up to 550 A

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 change-over due to the ABICOR BINZEL central adapter system



Technical data (EN 60 974-7):

MIG/MAG-Welding Torch "MB" (air cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO ₂	Mixed Gases M21		
MB 15 AK / MB 15 AK-FX	180	150	60	0.6-1.0
MB 24 KD	250	220	35	0.8-1.2
MB 25 AK / MB 25 AK-FX	230	200	60	0.8-1.2
MB 26 KD	230	200	35	0.8-1.2
MB 36 KD	300	270	60	0.8-1.2

MIG/MAG-Welding Torch "MB" (liquid cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO ₂	Mixed Gases M21		
MB 240 D	300	270	100	0.8-1.2
MB 401 D	400	350	100	0.8-1.2
MB 401	450	400	100	0.8-1.2
MB 501 D	500	450	100	1.0-1.6
MB 501	550	500	100	1.0-1.6

Subjects to change without notice.

"MB" Torch series



Torch complete* Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB 15 AK	ERGO	002.0449	002.0450	002.0451	50°	002.0009
MB 15 AK-FX	ERGO	002.0455	002.0456	002.0469	Flexible	002.0029
MB 24 KD	ERGO	012.0103	012.0104	012.0105	50°	012.0001
MB 25 AK	ERGO	004.0312	004.0313	004.0314	50°	004.0012
MB 25 AK-FX	ERGO	004.0329	004.0330	004.0331	Flexible	004.0032
MB 26 KD	ERGO	018.0062	018.0063	018.0064	50°	018.0001
MB 36 KD	ERGO	014.0143	014.0144	014.0145	50°	014.0006
MB 240 D	ERGO	023.0077	023.0078	023.0079	50°	023.0001
MB 401 D	ERGO	033.0107	033.0108	033.0109	50°	033.0001
MB 401	ERGO	030.0125	030.0126	030.0127	50°	030.0001
MB 501 D	ERGO	034.0160	034.0161	034.0162	50°	034.0001
MB 501	ERGO	032.0145	032.0146	032.0147	50°	032.0002

*All torches are equipped including central adapter with spring pins.
Wear parts see "MB GRIP" Torches of similar design (Page 4-9).

Note for all 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.

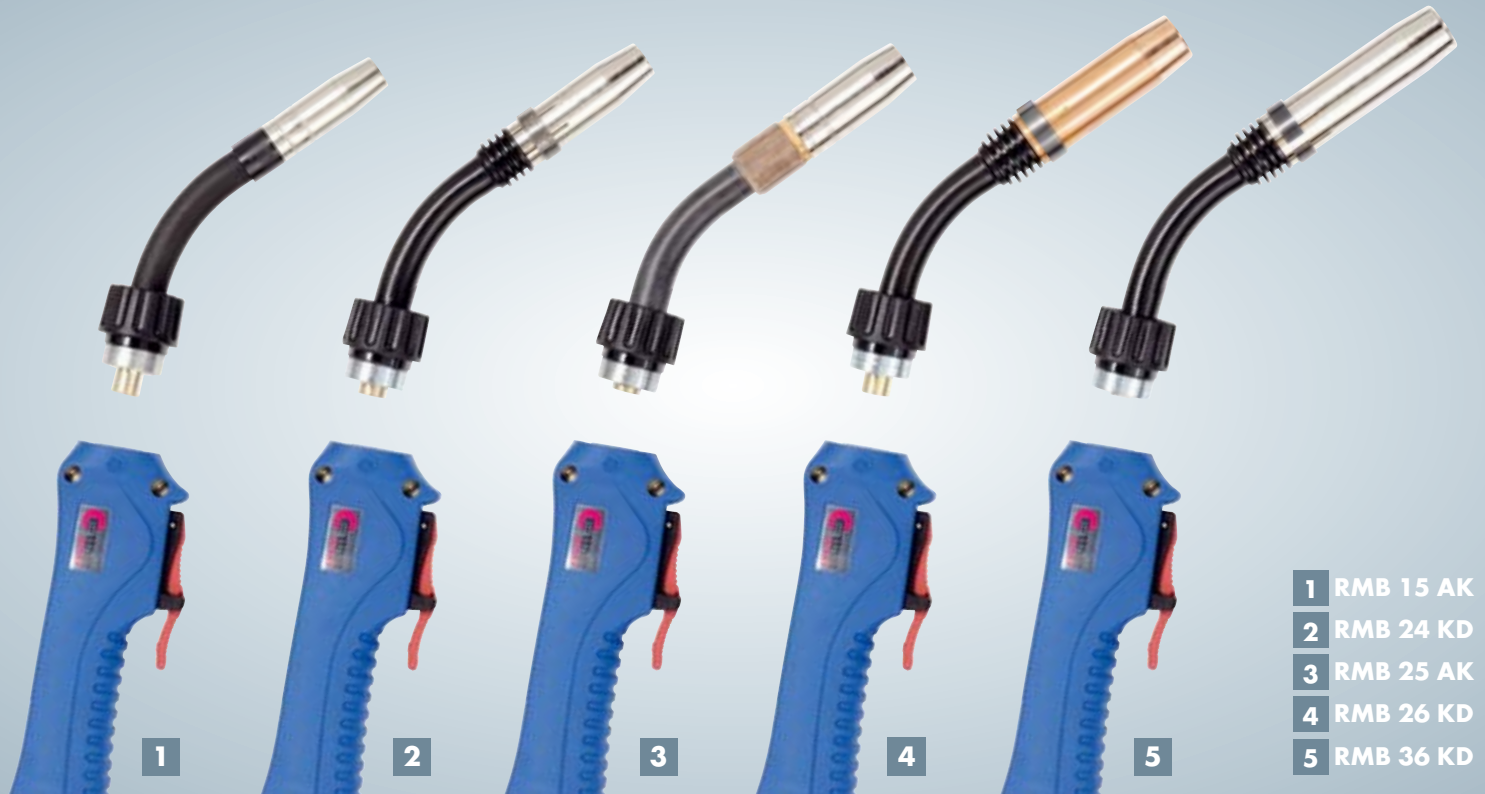
MIG/MAG Welding Torches "RMB" air cooled

Rating 150 A up to 320 A

The RMB range extends the possibilities of the MB system by offering a replaceable swan neck that can be rotated by 360 degrees.

- Capacities matched to most welding jobs
- Quick change swan neck with separate liner
- Adjustable neck positioning

When changing jobs, or adapting to different welding positions this system offers greater flexibility and adaptability.



- 1 RMB 15 AK
- 2 RMB 24 KD
- 3 RMB 25 AK
- 4 RMB 26 KD
- 5 RMB 36 KD

Technical data (EN 60 974-7):

MIG/MAG-Welding Torch "RMB" (air cooled)

Type	Rating (A)		Duty cycle (%)	Wire size (mm)
	CO ₂	Mixed Gases M21		
RMB 15 AK	180	150	60	0.6-1.0
RMB 24 KD	250	220	60	0.8-1.2
RMB 25 AK	230	200	60	0.8-1.2
RMB 26 KD	270	240	60	0.8-1.2
RMB 36 KD	320	290	60	0.8-1.2

“RMB” Torch series

The uniform interface and separated liner turn the RMB range into a universal tool for the professional, saving both time and cost.

Standard MB wear parts aid introduction and help minimise costs.



Torch complete* Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
RMB 15	S trigger long	002.D462	002.D463	002.D464	45°	002.D223
RMB 25	S trigger long	004.D487	004.D488	004.D489	45°	004.D261
RMB 24	S trigger long	012.D085	012.D086	012.D087	45°	012.D028
RMB 26	S trigger long	018.D491	018.D492	018.D493	45°	014.D687
RMB 36	S trigger long	014.D436	014.D437	014.D438	45°	014.D687

*All torches are equipped including central adapter with spring pins.
Wear parts see “MB GRIP” Torches of similar design (Page 4-9).

MIG/MAG Welding Torches "ABIMIG® GRIP A"

air cooled • Rating 170 A up to 270 A

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 new developed Low Weight Bikox®, which gives perfect balance to the torches for effortless welding in all positions.

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

- 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 torch life
- 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



ABIMIG® GRIP A 155 LW

Technical data (EN 60 974-7):

Rating: 240 A / 190 A CO₂
220 A / 170 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 0.6-1.0 mm

ABIMIG® GRIP A 255 LW

Technical data (EN 60 974-7):

Rating: 270 A / 240 A CO₂
240 A / 210 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 0.8-1.2 mm

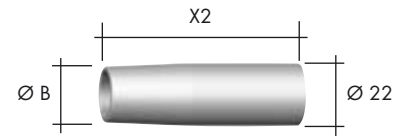
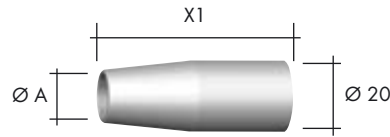
Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP A 155 LW	Type MB	767.D600.1	767.D601.1	767.D602.1	45°	767.D603.1
ABIMIG® GRIP A 255 LW	Type MB	767.D630.1	767.D631.1	767.D632.1	45°	767.D633.1

ABIMIG® GRIP A 155, ABIMIG® GRIP A 255

Wear parts

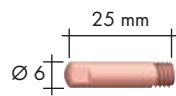
ABIMIG® GRIP A 155

ABIMIG® GRIP A 255



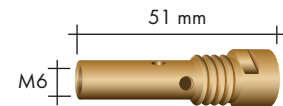
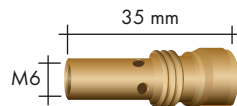
Gas nozzle (5 pcs.)

	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	Ø 16	70 mm	145.D011
Conical	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



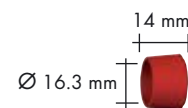
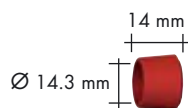
Contact tip (10 pcs.)

		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	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382



Contact tip holder (5 pcs.)

	006.D719.5	004.D624.5
--	------------	------------



Adapter piece (5 pcs.)

	767.D607.5	767.D637.5
--	------------	------------

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	Ø 0.8	Ø 1.0	Ø 1.2	124.0011	124.0011	124.0026	124.0026	124.0012	124.0012	124.0031	124.0031	124.0015	124.0015	124.0035	124.0035		
	PTFE liner	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	126.0005	126.0005	126.0021	126.0021	126.0008	126.0008	126.0026	126.0026	126.0011	126.0011	126.0028	126.0028	
		Carbon	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	127.0002	127.0002	127.0005	127.0005	127.0003	127.0003	127.0007	127.0007	127.0004	127.0004	127.0008	127.0008
			PTFE liner	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	127.0002	127.0002	127.0005	127.0005	127.0003	127.0003	127.0007	127.0007	127.0004	127.0004	127.0008



MIG/MAG Welding Torches "ABIMIG® GRIP A"

air cooled • Rating 240 A up to 430 A

- 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 torch life
- Function integrated tip holder (gas diffuser, 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

Additionally for ABIMIG® GRIP A 405 LW:

- BIKOX® with large flow cross-section - guarantees gas coverage
- Specially designed steel liner - guarantees optimal and constant wire feeding



ABIMIG® GRIP A 305 LW

Technical data (EN 60 974-7):

Rating: 315 A / 270 A CO₂
 300 A / 240 A Mixed Gases
 M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 0.8-1.2 mm

ABIMIG® GRIP A 355 LW

Technical data (EN 60 974-7):

Rating: 350 A / 300 A CO₂
 320 A / 270 A Mixed Gases
 M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 1.0-1.6 mm

ABIMIG® GRIP A 405 LW

Technical data (EN 60 974-7):

Rating: 430 A / 370 A CO₂
 350 A / 300 A Mixed Gases
 M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 1.0-1.6 mm

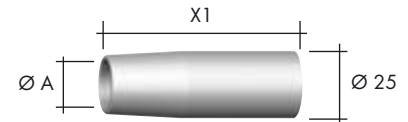
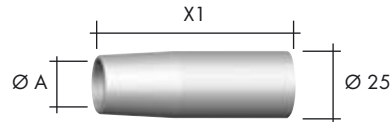
Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP A 305 LW	Type MB	767.D660.1	767.D661.1	767.D662.1	45°	767.D663.1
ABIMIG® GRIP A 355 LW	Type MB	767.D690.1	767.D691.1	767.D692.1	45°	767.D693.1
ABIMIG® GRIP A 405 LW	Type S	767.D720.1	767.D721.1	767.D722.1	45°	767.D723.1

ABIMIG® GRIP A 305, ABIMIG® GRIP A 355, ABIMIG® GRIP A 405

Swan neck

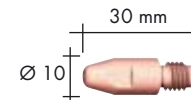
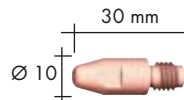
ABIMIG® GRIP A 305 ABIMIG® GRIP A 355

ABIMIG® GRIP A 405



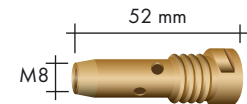
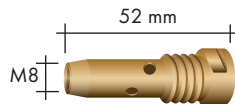
Gas nozzle (5 pcs.)

	Ø A	X1		Ø A	X1	
Cylindrical	Ø 21	72 mm	145.D024	Ø 21	72 mm	145.D024
Conical	Ø 18	72 mm	145.D021	Ø 18	72 mm	145.D021
Conical	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



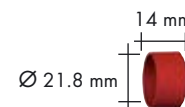
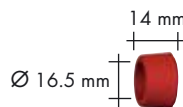
Contact tip (10 pcs.)

		M8	M8
E-Cu	Ø 0.8	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	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	140.0117
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445	140.0445
	Ø 1.6	140.0590	140.0590



Contact tip holder (5 pcs.)

M8	014.D745.5	014.D745.5
----	------------	------------



Adapter piece (5 pcs.)

	767.D668.5	767.D729.5
--	------------	------------

Liner	Ø	305 / 355	405	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	Ø 0.8	124.0011	-	124.0012	-	124.0015	-
	Ø 1.0	124.0026	124.D113	124.0031	124.D114	124.0035	124.D115
	Ø 1.2	124.0026	124.D116	124.0031	124.D117	124.0035	124.D118
	Ø 1.6	124.0041	124.D119	124.0042	124.D120	124.0044	124.D121
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	-



MIG/MAG Welding Torches "ABIMIG®" air cooled

Rating 140 A up to 250 A

Welding torches of the ABIMIG® T series are the optimal tool for the professional. The turnable swan neck allows the adaption of the torch to the particular working position. The separate liner in the swivel version permits rapid swan neck replacement, making both repairs and jobs changes much easier. Insulated screw nozzles aid rating up to 450 amps. The availability of differing handles and triggers enhances flexibility. They are professional high performance welding tools.

- Capacities matched to most welding jobs
- Quick change swan neck with separate liner
- BIKOX® R air cooled torches – high flexibility even at low temperatures, extremely UV-resistant, considerably increased temperature stability and tensile strength
- Special swan necks for specific welding jobs (on request)



ABIMIG® 155 T

Technical data (EN 60 974-7):

Rating: 160 A CO₂
140 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.6–1.0 mm

ABIMIG® 255 T

Technical data (EN 60 974-7):

Rating: 250 A CO₂
200 A Mixed Gases
M21 (DIN EN 439)

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® 155 T*	Handle L	006.D777	006.D778	006.D779	45°	006.D768
ABIMIG® 255 T*	Handle S	004.D777	004.D778	004.D779	45°	004.D769

*also available as Machine Torches

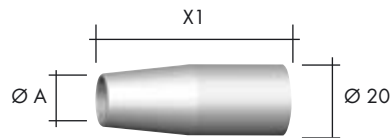
Definition: T = turnable/swivel swan neck, TM = turnable/swivel swan neck with metal outer jacket, T8M = 8 position location with metal outer jacket

Please note! Due to the diversity of ABIMIG® T, only the standard version is shown above. Other versions on request.

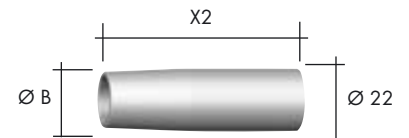
ABIMIG® 155, ABIMIG® 255

Wear parts

ABIMIG® 155 ABIMIG® 155 T

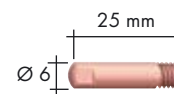
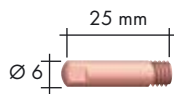


ABIMIG® 255 ABIMIG® 255 T



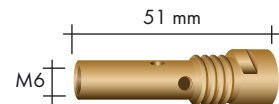
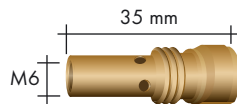
Gas nozzle (5 pcs.)

	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	Ø 16	70 mm	145.D011
Conical	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



Contact tip (10 pcs.)

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



Contact tip holder (5 pcs.)

	006.D719	004.D624
--	----------	----------

Swan neck liner for T-Torches



Standard	Ø 0.6	122.D037	122.D037
	Ø 0.8	122.D037	122.D037
	Ø 1.0	122.D038	122.D038
	Ø 1.2	-	122.D038
Brass for Al	Ø 0.6	122.D040	122.D040
	Ø 0.8	122.D040	122.D040
	Ø 1.0	-	122.D041
	Ø 1.2	-	122.D041

Liner		for 3 m		for 4 m		for 5 m	
Liner	Ø 0.6	124.D002 ¹⁾	-	124.D003 ¹⁾	-	124.D004 ¹⁾	-
	Ø 0.8	124.D006 ¹⁾	124.0011 ²⁾	124.D007 ¹⁾	124.0012 ²⁾	124.D008 ¹⁾	124.0015 ²⁾
	Ø 1.0	124.D006 ¹⁾	124.0026 ²⁾	124.D007 ¹⁾	124.0031 ²⁾	124.D008 ¹⁾	124.0035 ²⁾
	Ø 1.2	-	124.0026 ²⁾	-	124.0031 ²⁾	-	124.0035 ²⁾
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 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	

¹⁾ only for ABIMIG® 155 • ²⁾ only for ABIMIG® 255

MIG/MAG Welding Torches "ABIMIG®" air cooled

Rating 250 A up to 450 A

- Capacities matched to most welding jobs
- Quick change swan neck with separate liner
- BIKOX® R air cooled torches – high flexibility even at low temperatures, extremely UV-resistant, considerably increased temperature stability and tensile strength
- Special swan necks for specific welding jobs (on request)



ABIMIG® 305 TM

Technical data (EN 60 974-7):

Rating: 315 A CO₂
250 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.8–1.4 mm



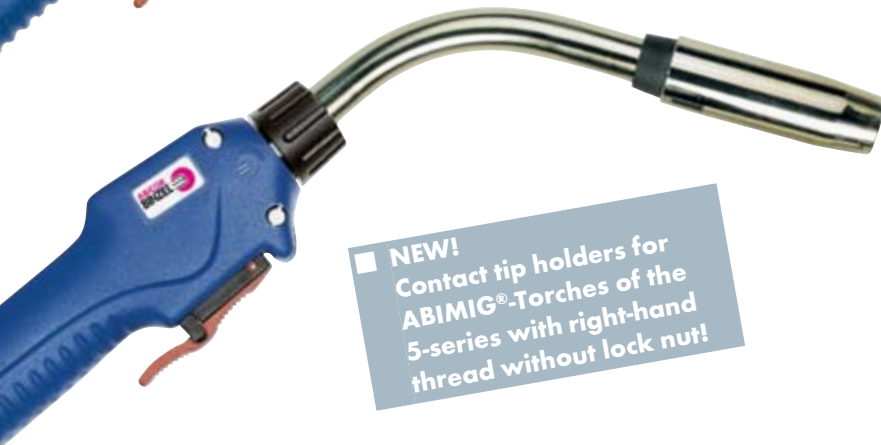
ABIMIG® 355 TM

Technical data (EN 60 974-7):

Rating: 360 A CO₂
320 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 1.0–1.6 mm



ABIMIG® 455 T8M

Technical data (EN 60 974-7):

Rating: 450 A CO₂
400 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 1.0–1.6 mm

■ **NEW!**
Contact tip holders for
ABIMIG®-Torches of the
5-series with right-hand
thread without lock nut!

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® 305 TM*	Handle S	018.D891	018.D892	018.D893	45°	014.H171
ABIMIG® 355 TM*	Handle S	014.H179	014.H180	014.H181	45°	014.H173
ABIMIG® 455 T8M*	Handle V	016.D324	016.D325	016.D326	45°	016.D225

*also available as Machine Torches

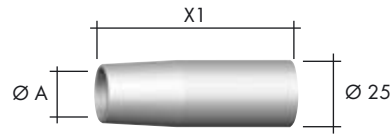
Definition: T = turnable/swivel swan neck, TM = turnable/swivel swan neck with metal outer jacket, T8M = 8 position location with metal outer jacket

Please note! Due to the diversity of ABIMIG® T, only the standard version is shown above. Other versions on request.

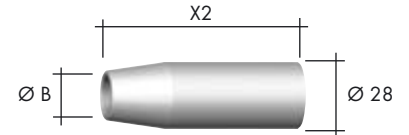
ABIMIG® 355, ABIMIG® 455

Wear parts

ABIMIG® 305 / 305 TM ABIMIG® 355 / 355 TM

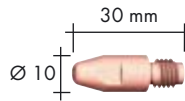


ABIMIG® 455 T8M

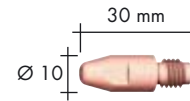


Gas nozzle (5 pcs.)

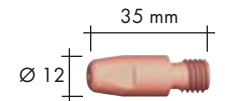
	Ø A	X1		Ø B	X2	
Cylindrical	Ø 21	72 mm	145.D024	Ø 24	83 mm	145.D249
Conical	Ø 18	72 mm	145.D021	Ø 13	85 mm	145.D243
Conical	Ø 16	69 mm	145.D022	Ø 16	85 mm	145.D244



M8



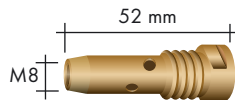
M8



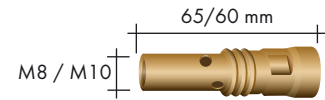
M10

Contact tip (10 pcs.)

E-Cu	Ø 0.8	140.0114	-	-
	Ø 1.0	140.0313	-	-
	Ø 1.2	140.0442	-	-
	Ø 1.6	140.0587	-	-
	Ø 2.4	-	-	-
E-Cu for Al	Ø 0.8	141.0003	-	-
	Ø 1.0	141.0008	-	-
	Ø 1.2	141.0015	-	-
	Ø 1.6	141.0022	-	-
CuCrZr	Ø 0.8	140.0117	-	-
	Ø 1.0	140.0316	140.0316	140.0348
	Ø 1.2	140.0445	140.0445	140.0481
	Ø 1.6	140.0590	140.0590	140.0616
	Ø 2.4	-	140.0679	140.0698



M8



M8 / M10

Contact tip holder (5 pcs.)

M8	014.D745	016.D155
M10	-	016.D156

Swan neck liner for T-Torches



Standard	Ø 0.6-0.8	122.D037	-
	Ø 1.0-1.2	122.D038	122.D077
	Ø 1.6	122.D045	122.D078
Brass for Al	Ø 0.6-1.0	122.D040	-
	Ø 1.0-1.2	122.D041	-

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	124.0031	124.0035
	Ø 1.2	124.0026	124.0031	124.0035
	Ø 1.6	124.0041	124.0042	124.0044
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	Ø 0.8	127.0002	127.0003	127.0004
PTFE liner	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

Liner		for 3, 4 & 5 m
Liner	Ø 1.0	124.D039
	Ø 1.2	124.D039
	Ø 1.6	124.D044
	Ø 2.4	124.D049

MIG/MAG Welding Torches "ABIMIG®" liquid cooled (turnable) Rating 270 A up to 550 A

Based on the market standard MB series, this series offers serious capabilities for the professional welder. A technically advanced safe cooling system enhances flexibility without the danger of leakage. The separate liner in the swivel version permits rapid swan neck replacement, making both repairs and jobs changes much easier.

- Capacities matched to most welding jobs
- Optional positioning of the swan neck
- Quick change swan neck with separate liner
- Special swan necks for specific welding jobs (on request)



ABIMIG® 240 D WT

Technical data (EN 60 974-7):

Rating: 305 A CO₂
270 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8-1.2 mm

ABIMIG® 401 D WT / 401 WT

Technical data (EN 60 974-7):

Rating: 400 A / 450 A CO₂
350 A / 400 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8-1.2 mm

ABIMIG® 501 D WT / 501 WT

Technical data (EN 60 974-7):

Rating: 500 A / 550 A CO₂
450 A / 500 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

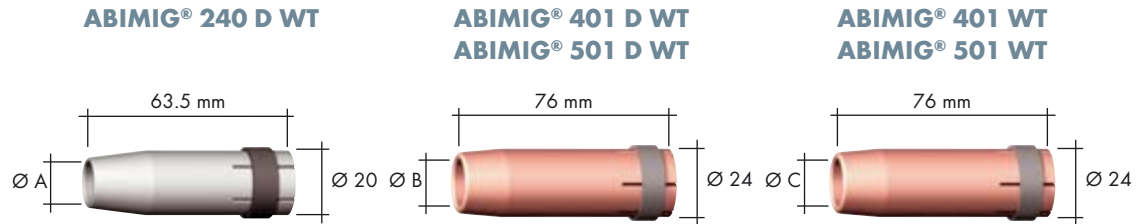
Wire size: 1.0-1.6 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® 240 D WT	Handle S	023.D065	023.D066	023.D067	50°	023.D018
ABIMIG® 401 D WT	Handle S	033.D146	033.D147	033.D148	50°	033.D052
ABIMIG® 401 WT	Handle S	030.D027	030.D028	030.D029	50°	030.D011
ABIMIG® 501 D WT	Handle S	034.D105	034.D106	034.D107	50°	034.D033
ABIMIG® 501 WT	Handle S	032.D046	032.D047	032.D048	50°	032.D024

Please note! Due to the diversity of ABIMIG® T, only the standard version is shown above. Other versions on request.

ABIMIG® 240, ABIMIG® 401 / 501

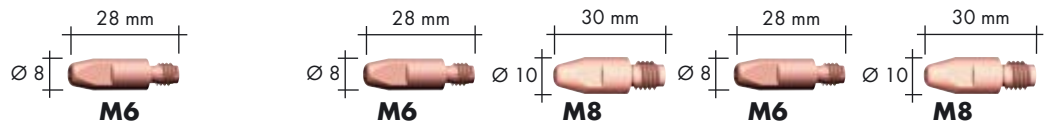
Wear parts



Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 20
Conical	Ø 12.5	145.0080	Ø 16	145.0085	Ø 16
Conical	Ø 10	145.0128	Ø 14	145.0132	Ø 14

Contact tip (10 pcs.)



		M6	M8	M6	M8
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	140.0379	140.0442
	Ø 1.6	-	140.0587	140.0555	140.0587
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
	Ø 1.6	-	141.0022	141.0020	141.0022
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
	Ø 1.6	-	140.0590	140.0558	140.0590

Contact tip holder (10 pcs.)



M6	142.0003	142.0008	-
M8	-	142.0022	-

Gas diffuser (10 pcs.)



Standard	012.0183	030.0145	030.0145
Long life	-	030.0037	030.0037
Ceramic	-	030.0190	030.0190

Swan neck liner and liner

Liner	up to Ø 1.2	123.D097
	up to Ø 1.6	123.D098
Liner for Al	up to Ø 1.0	120.D145
	up to Ø 1.2	120.D146
Liner for Al	Ø 0.8-1.0	126.D001
	Ø 1.0-1.2	126.D002
	Ø 1.6	126.D003

Liner

		for 3 m	for 4 m	for 5 m
Liner	Ø 0.8	122.0005	122.0007	122.0009
	Ø 1.0	122.0031	122.0036	122.0039
	Ø 1.2	122.0031	122.0036	122.0039
	Ø 1.6	122.0056	122.0060	122.0063
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

MIG/MAG Welding Torches "ABIMIG® GRIP W"

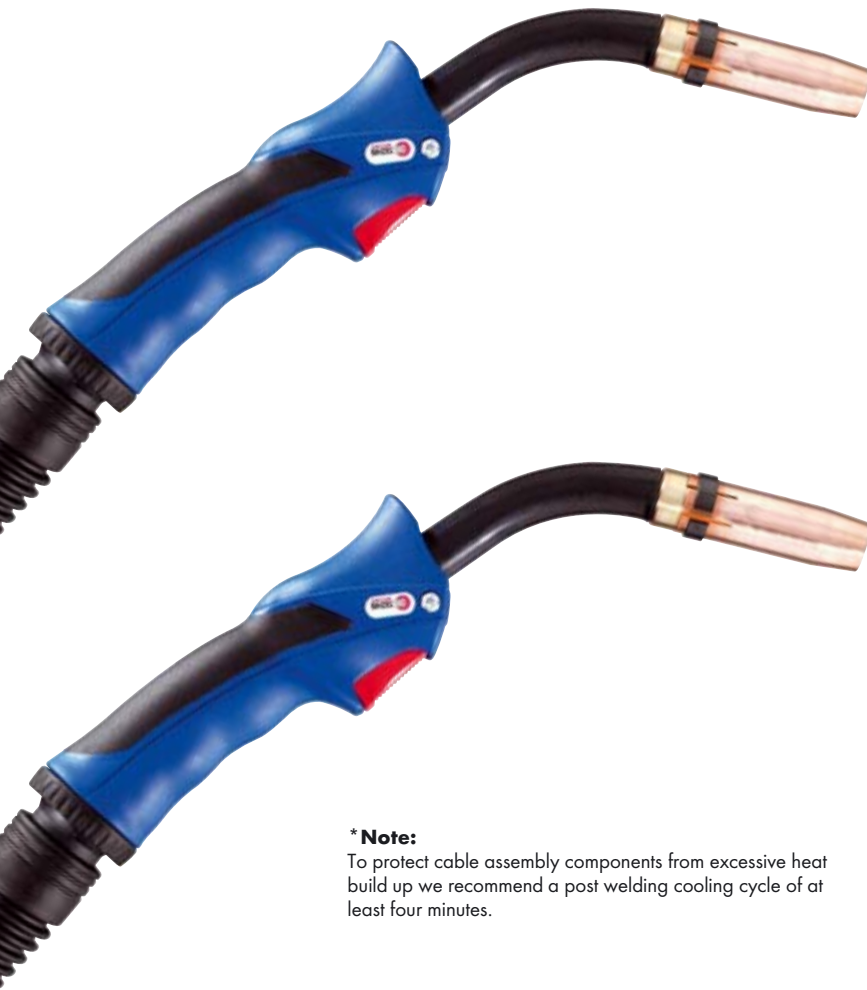
liquid cooled • Rating 400 A up to 575 A

MIG/MAG Welding Torches ABIMIG® GRIP W liquid cooled with the innovative 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.

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 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
- 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 storage
- Mechanically highly resilient and robust tip holder (optionally soldered or changeable) – long service life



ABIMIG® GRIP W 555 D

Technical data (EN 60 974-7):

Rating:	550 A CO ₂
	500 A Mixed Gases
	400 A Pulse
	M21 (DIN EN 439)
Duty cycle:	100%
Wire size:	0.8–1.6 mm

ABIMIG® GRIP W 555

Technical data (EN 60 974-7):

Rating:	575 A CO ₂
	525 A Mixed Gases
	400 A Pulse
	M21 (DIN EN 439)
Duty cycle:	100%
Wire size:	0.8–1.6 mm

*** Note:**

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

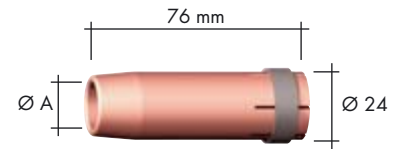
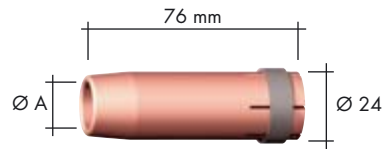
Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP W 555 D	Type S	766.0526.1	766.0527.1	766.0528.1	50°	766.0532.1
ABIMIG® GRIP W 555	Type S	766.0529.1	766.0530.1	766.0531.1	50°	766.0533.1

ABIMIG® GRIP W 555 D, ABIMIG® GRIP W 555

Wear parts

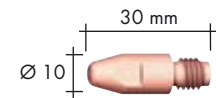
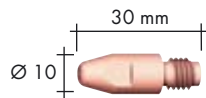
ABIMIG® GRIP W 555 D

ABIMIG® GRIP W 555



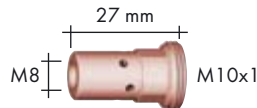
Gas nozzle (10 pcs.)

	Ø A		Ø A
Cylindrical	Ø 20	145.0051	Ø 20
Conical	Ø 16	145.0085	Ø 16
Conical	Ø 14	145.0132	Ø 14



Contact tip (10 pcs.)

		M8	M8
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	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	140.0117
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445	140.0445
	Ø 1.6	140.0590	140.0590



Contact tip holder

M8	142.0201.10	-
----	-------------	---



Gas diffuser (5 pcs.)

Standard	030.0145	030.0145
Long life	030.0037	030.0037
Ceramic	030.0190	030.0190

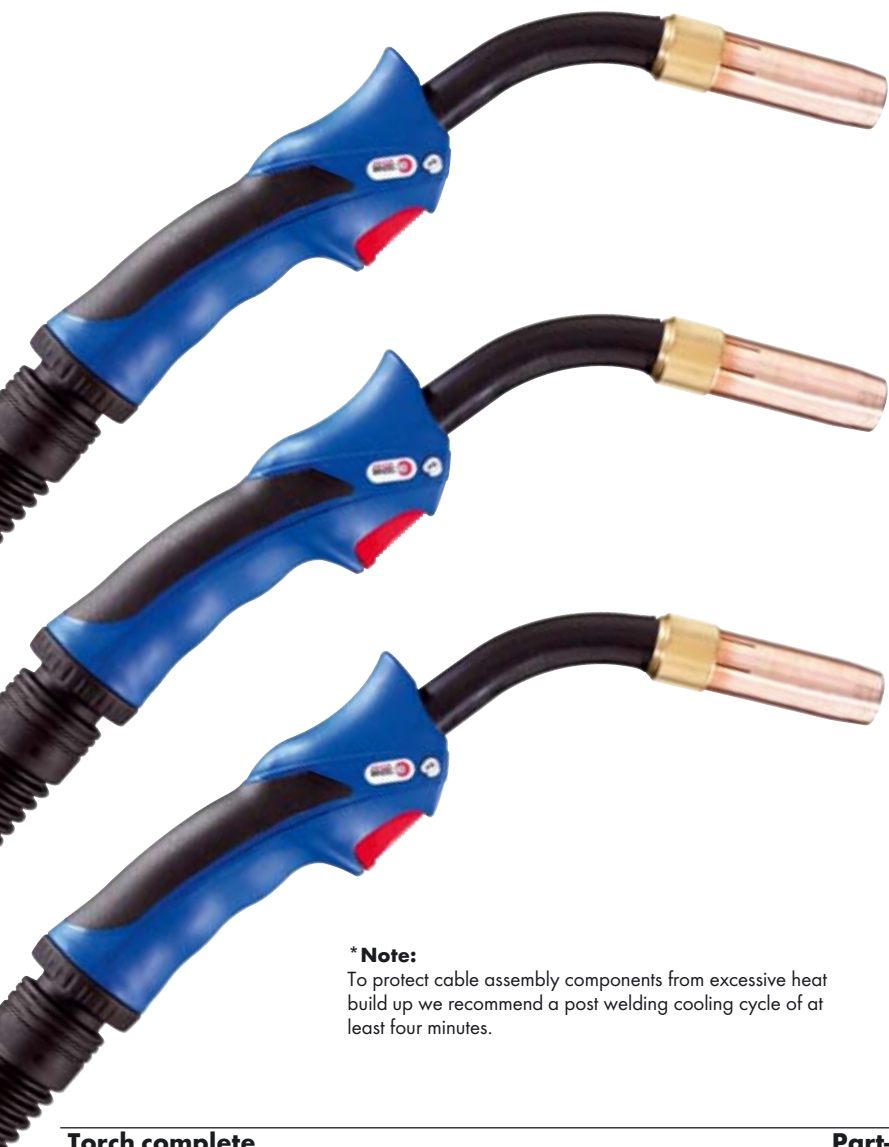


Liner		for 3 m	for 4 m	for 5 m
Liner	Ø 0.8	124.0011	124.0012	124.0015
	Ø 1.0	124.0026	124.0031	124.0035
	Ø 1.2	124.0026	124.0031	124.0035
	Ø 1.6	124.0041	124.0042	124.0042
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	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

MIG/MAG Welding Torches "ABIMIG® GRIP W"

liquid cooled • Rating 450 A up to 625 A

- 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 high-performance application range – excellent results especially in pulse arc welding
- Gas nozzle with innovative "plug-screw connection" – optimal fixing and heat dissipation
- Swan neck can be delivered in three versions – with soldered or changeable tip holder M10 as well as with collet body version for push-fit "click" contact tip



ABIMIG® GRIP W 605

Technical data (EN 60 974-7):

Rating: 625 A CO₂
575 A Mixed Gases
450 A Pulse
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0–1.6 mm

ABIMIG® GRIP W 605 D

Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A Mixed Gases
450 A Pulse
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0–1.6 mm

ABIMIG® GRIP W 605 C

Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A Mixed Gases
450 A Pulse
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0–1.6 mm

* Note:

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® GRIP W 605	Type S	766.0537.1	766.0538.1	766.0539.1	50°	766.0541.1
ABIMIG® GRIP W 605 D	Type S	766.0534.1	766.0535.1	766.0536.1	50°	766.0540.1
ABIMIG® GRIP W 605 C	Type S	766.0543.1	766.0544.1	766.0545.1	50°	766.0542.1

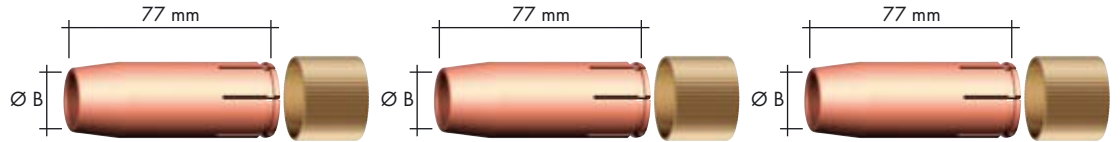
ABIMIG® GRIP W 605, ABIMIG® GRIP W 605 D, ABIMIG® GRIP W 605 C

Wear parts

ABIMIG® GRIP W 605

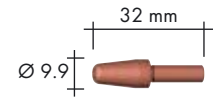
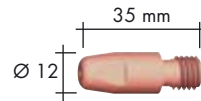
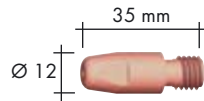
ABIMIG® GRIP W 605 D

ABIMIG® GRIP W 605 C



Gas nozzle (10 pcs.)

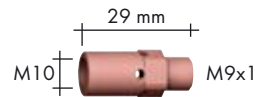
	Ø B		Ø B		Ø B	
Cylindrical	Ø 20	145.0678.10	Ø 20	145.0678.10	Ø 20	145.0678.10
Conical	Ø 17	145.0669	Ø 17	145.0669	Ø 17	145.0669
Gas nozzle adapter		766.1070		766.1070		766.1070



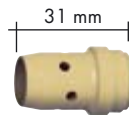
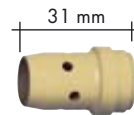
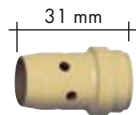
Contact tip (10 pcs.)

		M10	M10	
E-Cu	Ø 1.0	140.1542.10	140.1542.10	-
	Ø 1.2	140.1543.10	140.1543.10	-
	Ø 1.6	140.1544.10	140.1544.10	-
CuCrZr	Ø 1.0	140.0348	140.0348	140.1318
	Ø 1.2	140.0481	140.0481	140.1319
	Ø 1.6	140.0616	140.0616	140.1321

Contact tip holder / Collet body (10 pcs.)



Contact tip holder M10	-	142.0202.10	-
Collet body	-	-	766.1051



Gas diffuser (10 pcs.)

Long Life (Standard)	766.0518	766.0518	766.0518
----------------------	----------	----------	----------



Liner		for 3 m	for 4 m	for 5 m
Liner	Ø 1.0	124.0026	124.0031	124.0035
	Ø 1.2	124.0026	124.0031	124.0035
	Ø 1.6	124.0041	124.0042	124.0044
PTFE liner	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 liner	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

MIG/MAG Welding Torches "ABIMIG®" liquid cooled

Rating 300 A up to 600 A

The product line ABIMIG® comprises all torches for the MIG/MAG process. Besides the even more ergonomic handle, a module handle offers different switching and control options for every application. The whole product line is smaller in size and offers a substantially improved accessibility.

- Double-cooling circuit of the liquid cooled torches and large areas for current and heat transfer – low spatter adhesion, the torch is staying cool
- Optimum cooling of the torch – extending torch life
- Ergonomically and technically matured and 100% reliable
- Time-saving torch change-over due to the ABICOR BINZEL central adapter system



ABIMIG® 452 D W* / 452 D W TS*

Technical data (EN 60 974-7):

Rating: 450 A DC
300 A Pulse
Mixed Gases M21
(DIN EN 439)

Duty cycle: 100%

Wire size: 0.8–1.2 mm

ABIMIG® 452 W*

Technical data (EN 60 974-7):

Rating: 500 A DC
325 A Pulse
Mixed Gases M21
(DIN EN 439)

Duty cycle: 100%

Wire size: 0.8–1.6 mm

ABIMIG® 645 W*

Technical data (EN 60 974-7):

Rating: 600 A DC
450 A Pulse
Mixed Gases M21
(DIN EN 439)

Duty cycle: 100%

Wire size: 0.8–1.6 mm

***Note:**

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

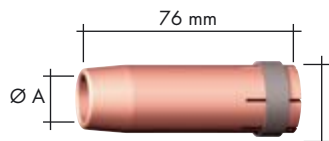
Torch complete**	Type	Handle	Part-No.			Swan neck	
			3 m	4 m	5 m	Type	Part-No.
ABIMIG® 452 D W		with ball joint	766.0400	766.0401	766.0402	50°	766.0350
ABIMIG® 452 D W TS		with ball joint	766.0409	766.0410	766.0411	50°	766.0380
ABIMIG® 452 W		with ball joint	766.0412	766.0413	766.0414	50°	766.0390
ABIMIG® 645 W		with ball joint	766.0406	766.0407	766.0408	50°	766.0370

**All torches are equipped including central adapter with spring pins.

ABIMIG® 452 , ABIMIG® 645

Wear parts

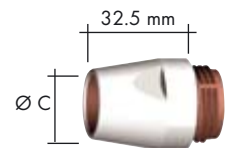
ABIMIG® 452 D W ABIMIG® 452 W



ABIMIG® 452 D W TS

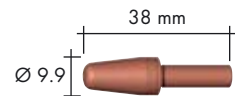
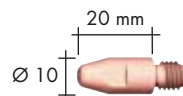
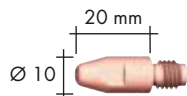


ABIMIG® 645 W



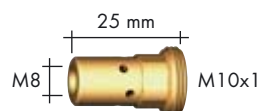
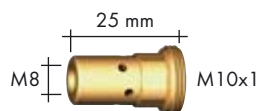
Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 20	145.0051	-	-	Ø 19	766.1075 (1 pc.)
Conical	Ø 16	145.0085	Ø 15	145.0400	Ø 16	766.1074 (1 pc.)
Conical	Ø 14	145.0132	-	-	-	-



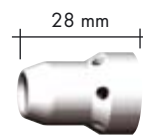
Contact tip (10 pcs.)

	Ø				
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	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	140.0117	140.1310	-
	Ø 1.0	140.0316	140.0316	140.1312	-
	Ø 1.2	140.0445	140.0445	140.1313	-
	Ø 1.6	140.0590	140.0590	140.1315	-



Contact tip holder / Collet chuck (10 pcs.)

Contact tip holder M8	142.0022 (only for version D)	142.0022	-
Collet chuck	-	-	766.1051



Gas diffuser (10 pcs.)

Standard	030.0145	030.0145	766.1095
Long life	030.0037	030.0037	766.1078
Ceramic	030.0190	030.0190	766.1135

Liner		for 3 m	for 4 m	for 5 m
Liner	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111	124.0112	124.0113
	Ø 1.2	124.0111	124.0112	124.0113
	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



MIG/MAG Welding Torches Push-Pull "PP" air and liquid cooled

The Push-Pull welding torches of the product line "PP" guarantee constant and problem-free wire feeding. Push-Pull torches 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 feature consumable parts taken from the established MB series.



Note:

Alternatively available with 24 V motor. If desired a handle with integrated potentiometer can be delivered. By using the ABIMIG® T adaptor all liquid cooled ABIMIG® T swan necks can be used problem-free.

Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO ₂	Mixed Gases M 21		
PP 24 D	air cooled	250 A	220 A	35	0.8-1.0
PP 36 D	air cooled	300 A	270 A	60	0.8-1.2
PP 240 D	liquid cooled*	270 A	240 A	100	0.8-1.2
PP 401 D	liquid cooled*	350 A	320 A	100	0.8-1.6

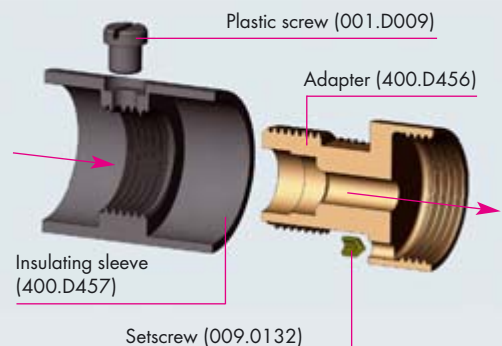
Torch complete**	Part-No.	Part-No.
Type	8 m	Swan neck
PP 24 D straight, motor 42 V	082.0011	082.0001
PP 24 D 45° bent, motor 42 V	082.0014	012.0194
PP 36 D straight, motor 42 V	083.0014	081.0002
PP 36 D 45° bent, motor 42 V	083.0017	014.0095
PP 240 D straight, motor 42 V	092.0018	092.0007
PP 240 D 45° bent, motor 42 V	092.0019	092.0001
PP 401 D straight, motor 42 V	091.0043	091.0002
PP 401 D 45° bent, motor 42 V	091.0044	091.0001

**All torches are equipped including central adapter with spring pins.

*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.

Adapter for ABIMIG® T swan necks cpl. 400.D458



PP 24, PP 36, PP 240, PP 401

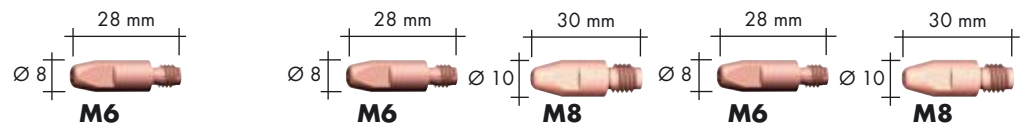
Wear parts



Gas nozzle (10 pcs.)

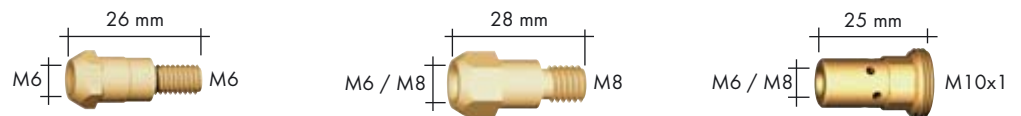
	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 19	145.0045	Ø 20	145.0051
Conical	Ø 12.5	145.0080	Ø 16	145.0078	Ø 16	145.0085
Conical	Ø 10	145.0128	Ø 12	145.0126	Ø 14	145.0132

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
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
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

Contact tip holder (10 pcs.)



	M6	M6 / M8	M6 / M8
M6	142.0003	142.0005	142.0008
M8	-	142.0020	142.0022

Gas diffuser (10 pcs.)



	Ø 20 mm	Ø 32.5 mm	Ø 28 mm
Standard	012.0183	014.0261	030.0145
Long life	-	014.0026	030.0037
Ceramic	-	014.0023	030.0190



Liner

8 m

Liner	Ø	Part No.
Standard	Ø 0.8	122.0010
	Ø 1.0	122.0040
	Ø 1.2	122.0040
	Ø 1.6	122.0065
PTFE liner	Ø 0.8	126.0013
	Ø 1.0	126.0030
	Ø 1.2	126.0030
	Ø 1.6	126.0047
Carbon liner	Ø 0.8	127.0015
	Ø 1.0	127.0009
	Ø 1.2	127.0009
	Ø 1.6	127.0014

Liner

8 m

Liner	Ø	Part No.
PA liner	Ø 0.8	-
	Ø 1.0	128.0019
	Ø 1.2	128.0019
	Ø 1.6	122.0023

MIG/MAG-Fume Extraction Torches "RAB Plus"

air and liquid cooled

Every welding job generates smoke and fumes, which may be hazardous if inhaled. Based on the well-proven torch series "MB", the RAB Plus fume extraction torches offer efficient fume extraction, through the gun. Special design solutions guarantee efficient smoke removal at source, without affecting the gas shield.

- Direct extraction at the arc – minimising fume inhalation
- Easy integration into existing plant
- Small outer tubes – promotes accessibility
- Use of aluminium reduces weight
- Handle features extraction control and swivel joint
- Reduced hose diameters, reduced weight and aids comfort



*** Note:**

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



Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO ₂	Mixed Gases M 21		
RAB Plus 15 AK	air cooled	180 A	150 A	60	0.6-1.0
RAB Plus 24 KD	air cooled	250 A	220 A	60	0.8-1.2
RAB Plus 25 AK	air cooled	230 A	200 A	60	0.8-1.2
RAB Plus 36 KD	air cooled	300 A	270 A	60	0.8-1.2
RAB Plus 240 D	liquid cooled*	300 A	270 A	100	0.8-1.2
RAB Plus 501 D	liquid cooled*	500 A	450 A	100	1.0-1.6
RAB Plus 501	liquid cooled*	550 A	500 A	100	1.0-1.6

Torch complete **	Type	Handle	Part-No.		
			3 m	4 m	5 m
RAB Plus 15 AK	Fume extraction handle		602.2004	602.2005	602.2006
RAB Plus 24 KD	Fume extraction handle		612.2002	612.2003	612.2004
RAB Plus 25 AK	Fume extraction handle		604.2004	604.2005	604.2006
RAB Plus 36 KD	Fume extraction handle		614.2002	614.2003	614.2004
RAB Plus 240 D	Fume extraction handle		623.2002	623.2003	623.2004
RAB Plus 501 D	Fume extraction handle		634.2002	634.2003	634.2004
RAB Plus 501	Fume extraction handle		632.2010	632.2011	632.2012

** All torches are equipped including central adapter with spring pins.

RAB Plus specific wear parts



Type	Fume shroud	Fume shroud (funnel)
RAB Plus 15 AK	600.2003	602.0040
RAB Plus 24 KD	600.2005***	612.0023
RAB Plus 25 AK	600.2004	602.0040
RAB Plus 36 KD	600.2006***	612.0023
RAB Plus 240 D	600.2005***	612.0023
RAB Plus 501 D	600.2006***	612.0023
RAB Plus 501	600.2006***	612.0023

***With spring clip for fixing the fume shroud (600.2028).

Type	Swan neck	Outer neck	Gas nozzle holder
RAB Plus 15 AK	602.2001	600.2001	902.0007
RAB Plus 24 KD	612.2001	600.2002	-
RAB Plus 25 AK	604.2001	600.2001	-
RAB Plus 36 KD	614.2001	600.2002	-
RAB Plus 240 D	623.2001	600.2002	-
RAB Plus 501 D	634.2001	600.2002	-
RAB Plus 501	632.2001	632.2009	-

The consumables – contact tip, gas nozzle, gas diffuser, contact tip holder, guide spiral or liner – are identical with those of the manual welding torches of same size.



RAS Fume extraction devices

As an alternative to the RAB Plus system, RAS kits permit the adoption of smoke extraction to standard MB and ABIMIG® guns.

Type	Part-No.
RAS for neck size 13 mm	600.D029
RAS for neck size 16 mm	600.D012
RAS for neck size 18 mm	600.D028



Fume extraction devices

applicable for RAB and RAS

Type	Part-No.
Extraction device with manual activation	600.8400
Extraction device with automatic activation	600.8401
Replacement filter	600.3031

MIG/MAG-Machine Torches

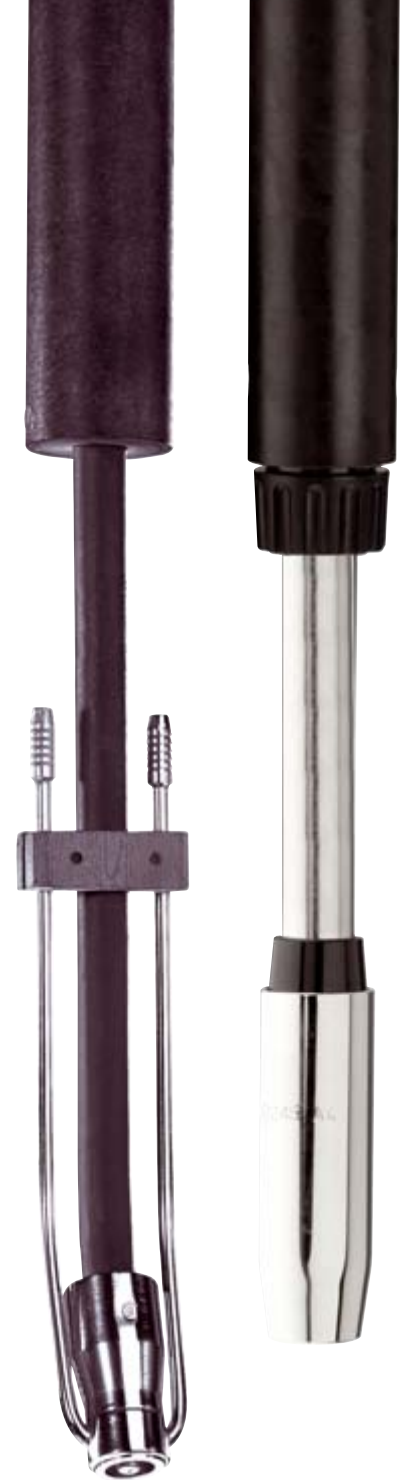
air and liquid cooled

Machine welding processes are used wherever highest precision and productivity is required. Accessibility to the components very often requires special solutions with machine torches. ABICOR BINZEL offers nearly 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 the additional advantage, 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:**

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



MIG/MAG-Machine Torches

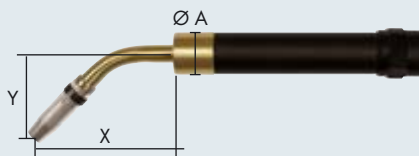
Fixed swan neck

Type	Geometry	Neck	X	Y
AUT 24 KD	straight	912.0001	154 mm	
AUT 24 KD	bent	912.0002	125 mm	80 mm
AUT 25 KD	straight	904.0003	140 mm	
AUT 25 KD	bent	904.0004	110 mm	75 mm
AUT 26 / 36 KD	straight	914.0002	185 mm	
AUT 26 / 36 KD	bent	914.0001	145 mm	95 mm
AUT 240 D	straight	923.0001	154 mm	
AUT 240 D	bent	923.0002	126 mm	73 mm
AUT 501	straight	932.0001	167 mm	
AUT 501	bent	932.0002	135 mm	82 mm
AUT 501 D	straight	934.0001	167 mm	
AUT 501 D	bent	934.0002	135 mm	82 mm
ABIMIG® 452 W MT	straight	766.0449	175 mm	
ABIMIG® 452 W MT	bent	766.0450	143 mm	84 mm
ABIMIG® 452 D W MT	straight	766.0438	175 mm	
ABIMIG® 452 D W MT	bent	766.0439	143 mm	84 mm
ABIMIG® 645 W MT	straight	766.0459	182 mm	
ABIMIG® 645 W MT	bent	766.0460	149 mm	89 mm

Changeable swan neck

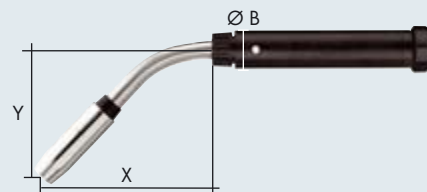
Type	Geometry	Neck	X	Y
ABIMIG® MT 255 T8M	straight	012.D122	195 mm	
ABIMIG® MT 255 T8M	bent	004.D785	140 mm	85 mm
ABIMIG® MT 355 T8M	straight	014.D812	224 mm	
ABIMIG® MT 355 T8M	bent	014.D808	185 mm	95 mm
ABIMIG® MT 455 T8M	straight	016.D250	230 mm	
ABIMIG® MT 455 T8M	bent	016.D225	190 mm	100 mm
ABIMIG® MT 240 D WT	bent	023.D018	135 mm	80 mm
ABIMIG® MT 501 WT	bent	034.D033	175 mm	100 mm
ABIMIG® MT 501 D WT	bent	034.D057	520 mm	100 mm

Fixed swan neck



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

Changeable swan neck

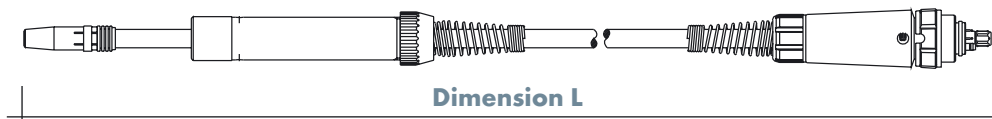


Ø B air cooled torches: 37 mm
liquid cooled torches: 40 mm

Order information:

When ordering complete torches, please indicate the torch type, torch geometry (straight or 45° bent) and dimension "L" (see sketch).

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

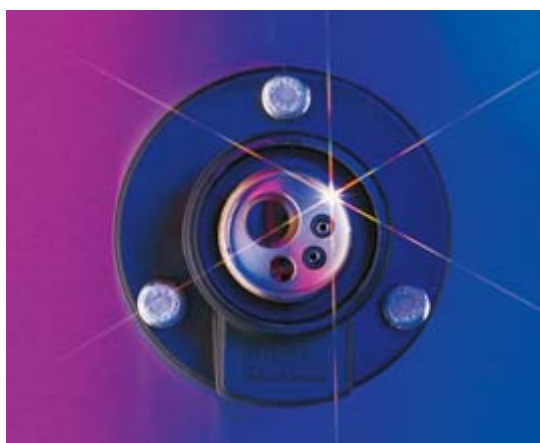
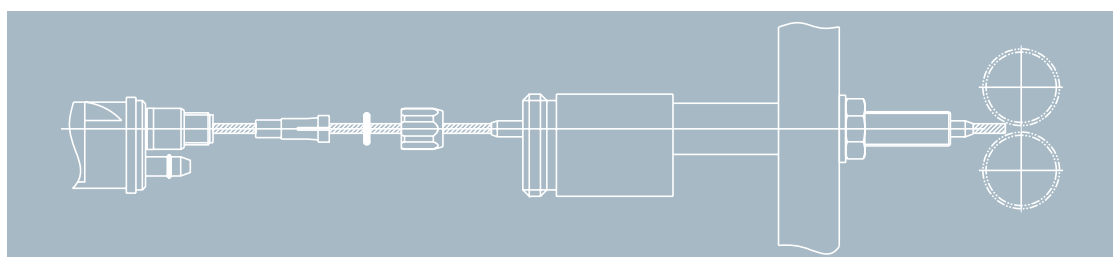


Central adapter and central connector system

The universal connection ...

The original ABICOR BINZEL central adapter and central connector, for air cooled and liquid cooled MIG/MAG machines, have been the industry standard for more than 30 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 adapter system.



We offer more than 500 different central adapter types. Please indicate manufacturer and type of your wire feeder or your compact power source and we will supply you with the appropriate adapter. However, if there should occur an adaptation problem, please contact us - we will take care of it.

Central adapter and central connector system

Insulation flanges

Description	Pos.	Details	Part-No.
Insulation flange	(n. shown)	Ø 120 mm	501.0602
Insulation flange	1	Δ 85 mm	501.2381
Insulation flange	2	Ø 85 mm	501.0616
Insulation flange	3	Ø 50 mm	501.0588
Insulation flange	(n. shown)	□ 60 mm	501.2308



Brass bodies

Description	Pos.	Details	Part-No.
Brass body	4	Gas axial	501.0168
Brass body	5	Gas axial	501.0169
Brass body	6	Power/Gas radial	501.0170
Brass body	7	Power and gas radial	501.0172
Brass body	8	Power radial/Gas axial	501.0175
Connector with control line	(n. shown)	600 mm (white)	501.0183
Connector with control line	(n. shown)	600 mm (brown)	501.2020



Adapter plugs

Description	Pos.	Details	Part-No.
Blank Ø 16	9	100 mm	501.2191
Blank Ø 16	10	170 mm	501.2192
Blank Ø 16	11	250 mm	501.2193
Blank Ø 22	12	200 mm	501.2190

Here you can see a small selection of adapter plug blanks for individual processing, representing the more than 500 different adapter plugs available in the ABICOR BINZEL range.

We supply ready-made adapters on request, please specify the make and type of wire feeding device and/or compact plant in your order.



Description	Part-No.
Power lug	501.0280

Central adapter and central connector system



Capillary tubes

Description	Details	Part-No.
Capillary tubes for wire up to Ø 1.0 mm	200 mm	129.0164
	300 mm	129.0187
	500 mm	129.0189
Capillary tubes for wire up to Ø 1.6 mm	1000 mm	129.0107
	200 mm	129.0313
	300 mm	129.0357
Capillary tubes for wire up to Ø 2.0 and 2.4 mm	500 mm	129.0361
	1000 mm	129.0227
	200 mm	129.0395
	300 mm	129.0411
	500 mm	129.0412
	1000 mm	129.0366

Guide tubes

Description	Details	Part-No.
Guide tubes for liners	200 mm	129.0461
	300 mm	129.0471
	500 mm	129.0473
	1000 mm	129.0426

The guide tubes must be fitted as shown in the assembly instructions on page 31.



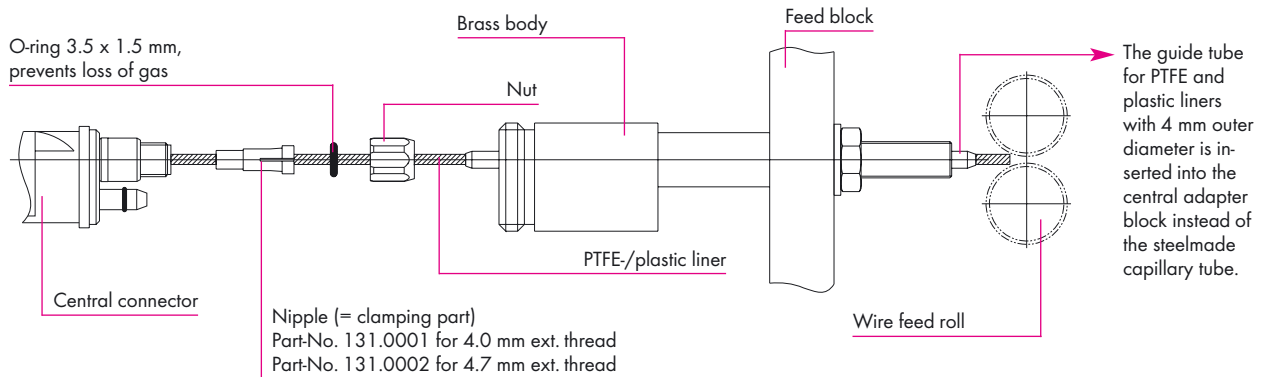
Quick disconnectors

Description	Part-No.
for fitting with hose 8 mm Ø	501.0190
for mounting with G 1/2" nut and power connection	501.0198
for fitting with hose 6 mm Ø	501.0204
for fitting with hose 6.5 mm Ø	501.0230
for mounting with G 3/8" nut and power connection	501.0163
for fitting with hose 10 mm Ø	501.0195
for mounting with nut M 12x1.5	501.0194
for mounting with nut G 3/8"	501.0189
for mounting with nut M 12x1	501.0176
for mounting with nut G 1/4"	501.0158
for mounting with nut M 14x1	501.0197
for mounting with nut G 1/2"	501.0191
for mounting with nut 5/8" LH ext. thread	501.0188
for mounting with nut 7/8" 14G-UNF	501.0196
Spacer ring	501.0304
Quick disconnect G 1/8" ext. thread	177.0003
Quick disconnect G 1/8" ext. thread	177.0002
Quick disconnect G 3/8" ext. thread	177.0012

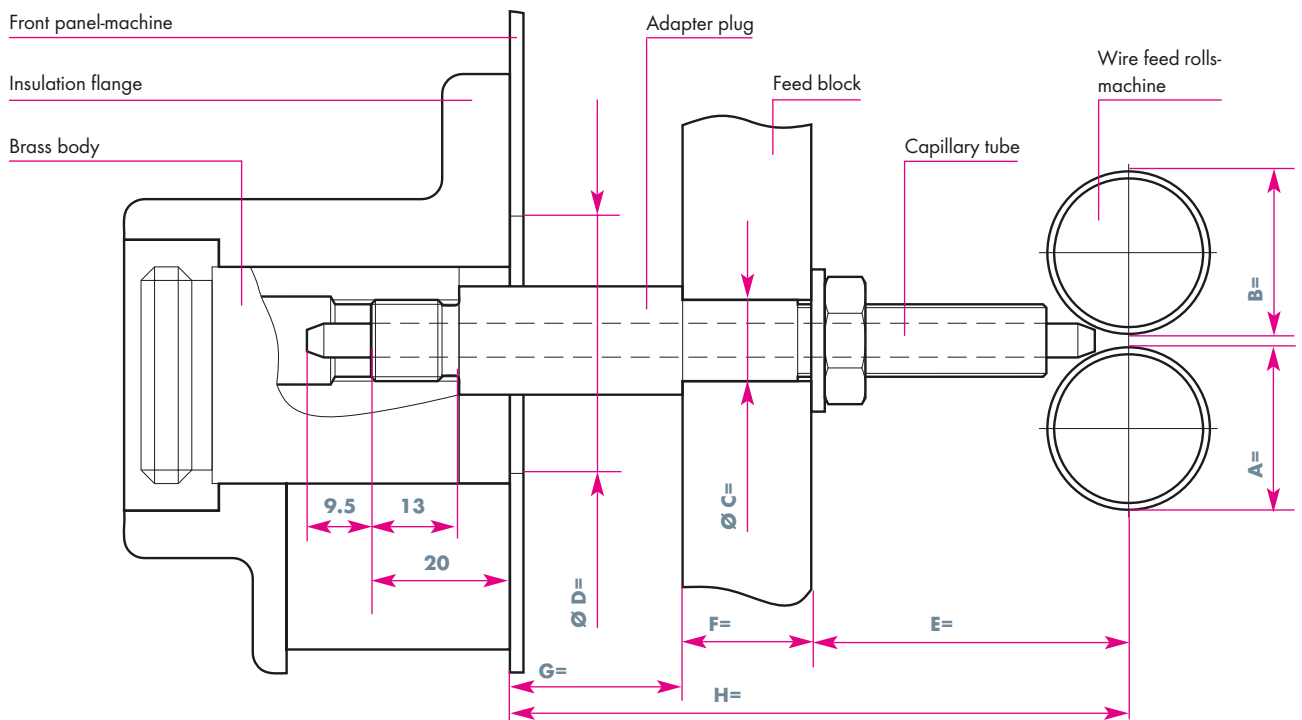


Central adapter and central connector system

Assembly advice for use of PTFE- and plastic liners:



Dimension sketch for central adapters (please insert the exact dimensions and send back by fax):



	Power source	Wire feeder
Manufacturer		
Type		
Serial No.		
Constr. year		

	Connections		Hose cable length (in mm)	Connections	
	Plug conn.	Thread		inside	outside
Gas					
Current					
Water preflow					
Current / Water					
Control lead	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	pole	

Sender

Company:	
Street / No.:	
Post code:	
City:	

Name:	
Phone:	
Fax:	
Date:	
Signature:	

Hint:

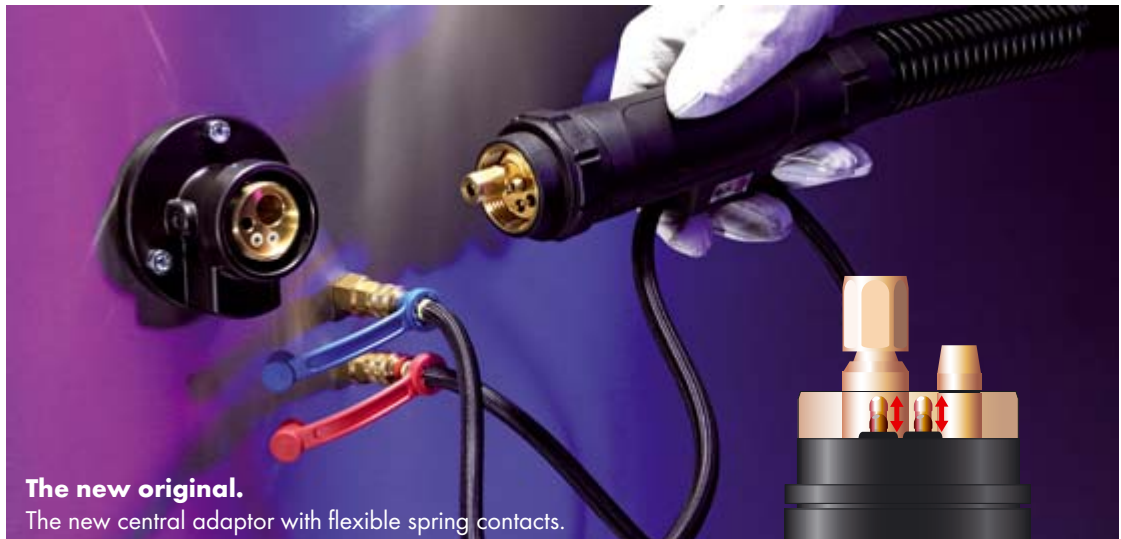
Copy this page so you can use it several times.

Central adapter with spring contacts

Flexible contacting ...

The system clicks!
No matter what happens.

Whether the contact guides have become slightly damaged due to rough operating conditions or have even been deformed by improper handling – this central adapter will ensure a safe contact even with female connectors from other makes.



The new original.
 The new central adaptor with flexible spring contacts.

Because when the adaptor and female connector are joined together, the contact pins on the adaptor are no longer inserted into the female connector. Instead, hemispherical contact is made with the insertion openings, whereby spring force ensures additional application pressure.

Even in the case of misuse or the wrong female connectors nothing can happen, nothing become bent. Because the contact pins then retract flexibly. For a longer service life and better contact!

Central adapter with spring contacts

Type	Details	Part-No.
Central adapter KZ-2	for MB / MB GRIP & RAB Plus, air cooled	501.0003
Central adapter WZ-2	for MB / MB GRIP, Push-Pull & RAB Plus, liquid cooled	501.0015
Central adapter WZ-2	for ABIMIG® liquid cooled	501.0015
Central adapter GZ-2	for Push-Pull air cooled	501.0005
Adapter with control line	100 mm (white)	501.2378
Adapter with control line	100 mm (brown)	501.2377

The central adapter that always produces a good connection thanks to its flexible spring contacts.



Coolant Recirculator WK 23 / WK 43

The portable cooling device for all common applications!

- **Simple handling:**
Connection (feed and return) via quick-action couplings
- **Compact design size:**
Small space requirements

- **Sturdy design:**
Indestructible stainless steel tank and sturdy housing
- **Service-friendly:**
Clear coolant sight glass

■ "Cool" supplement:
liquid cooled welding
with air cooled power
sources!



WK 23



WK 43

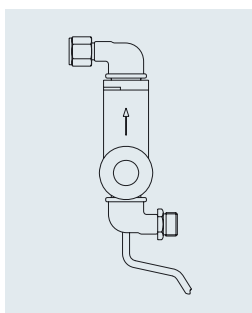
Technical data:

Type	WK 23	WK 43
Heat exchanger:	2 lines	4 lines
Immersion pump 50 Hz (protection class IP 54)	Delivery height: Hmax. 32 m Flow rate at G3/8" connector: Qmax. 13.5 liters / min.	Delivery height: Hmax. 32 m Flow rate at G3/8" connector: Qmax. 13.5 liters / min.
Immersion pump (RT = 22° C)	approx. 1000 W at 1 liter / min.	approx. 1250 W at 1 liter / min.
Dimensions (LxBxH)	253x270x460 mm	253x270x516 mm
Weight:	17 kg	18 kg
Tank capacity:	7 liters	7 liters

Type	Line voltage	Frequency	Power rating	Current consumption	Part-No.
WK 23	230 V	50 Hz	0.35 kW	3.1 A	850.0137
WK 43	230 V	50 Hz	0.35 kW	3.1 A	850.0159

Operating instructions:

As coolant for all liquid cooled torch systems, we recommend the special ABICOR BINZEL coolant BTC-15, which remains liquid down to -10° C. Must be used in conjunction with an adequate motor protection device!



Flow switch

To protect the torch from damage when no water flow is detected (please assemble in accordance with the supplied instructions).

Type	Part-No.
Flow switch with G 3/8" connection	850.0033

Welding Accessories

To achieve the best results ...

... one of the things which will help you to achieve the best results in the welding process is to use professional accessories. When ideally tailored to the task, they provide the basis for operational safety and long service life.

High-quality welding accessories increase the output and reliability of your torch.

To achieve perfect results, don't leave anything to chance.

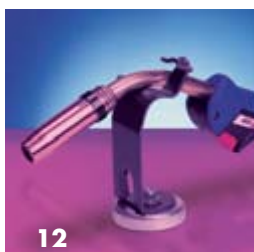
Rely on original welding accessories from ABICOR BINZEL.



- 1 Anti spatter spray**
silicon and solvent free
Content: 400 ml Part-No.: 192.0127
- 2 Super pistole spray**
silicon free, protect for spatter
Content: 400 ml Part-No.: 192.0107
- 3 Duesofix**
anti spatter paste
Content: 300 ml Part-No.: 192.0058
- 4 Anti spatter fluid for robot torches**
silicon free, protect for spatter
1 litre Part-No.: 192.0056
5 litres Part-No.: 192.0052
20 litres Part-No.: 192.0048
200 litres Part-No.: 192.0046

- 5 Special coolant BTC-15**
The special coolant from ABICOR BINZEL protect down to -10° C for all liquid welding and cutting facilities.
5 litres Part-No.: 192.0110
20 litres Part-No.: 192.0111
200 litres Part-No.: 192.0112
- 6 Wire cleaning set**
red for steel (set) Part-No.: 193.0001
white for Al (set) Part-No.: 193.0002
red for steel (25 pcs.) Part-No.: 193.0003
white for Al (25 pcs.) Part-No.: 193.0004
- 7 Gas flow meter** Part-No.: 191.0003
- 8 Clamp** Part-No.: 193.0007

Welding Accessories



9 Accessories case

big
small

Part-No.: 192.0069

Part-No.: 192.0066

10 Special pliers

No. 1 (FIX)
No. 2 (FIX)

Part-No.: 193.0013

Part-No.: 193.0014

11 Spigot

for 200 litre barrel

Part-No.: 192.0109

12 MIG-Handy-Support

without magnet base (FIX)

Part-No.: 193.0018

13 Spanner

Standard

Part-No.: 191.0001

14 Spanner

for ABIMIG® air cooled

Part-No.: 191.D045

15 Multiple spanner

Part-No.: 191.0015

16 Electrode spanner

Part-No.: 743.0064

17 Multiple spanner

Part-No.: 750.0125

18 Sharpener

for collet core liner

Part-No.: 191.0064

19 Hose cutter

Part-No.: 191.0062

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 ...



ABICOR
BINZEL® 

Kurt Haufe Schweißtechnik GmbH & Co. KG
Altflöbtau 9 · D-01159 Dresden
Phone: +49 (0) 3 51 / 4 20 33 00
Fax: +49 (0) 3 51 / 4 20 33 40
Email: info@binzel-abicor.com

www.binzel-abicor.com