

RAZOR MIG 175

MIG/MMA - 175 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



Features

- Latest IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
- Excellent MIG welding with CO2 gas & mixed gases
- Euro style MIG torch connection
- Internal wire feeder
- 1Kg to 5Kg Spools
- Adjustable Burn Back
- Spool Gun Connection
- Stepless voltage and wire feed control
- Wire Inch
- Stick electrode (MMA) function
- VRD (Voltage Reduction Device)
- Excellent arc stability with all electrode
- Hot Start - Anti Stick
- Industrial rated
- Solid case construction
- IP21S rating for environmental/safety protection
- Tolerant to variable power supply



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	25% @ 175Amps MIG 25% @ 160Amps MMA
Output Current Range MIG	30A/15.5V - 175A/22.8V
Output Current Range MMA	10A/20.4V - 160A/26.4V
Rated Power MIG	6.7 KVA
I Max MIG	27.9 Amps
MMA	29.6 Amps
I _{ieff} MIG	14.0 Amps
MMA	14.8Amps
Power factor	0.70
Protection Class	IP21S
Insulation Class	F
Wire Diameter Range (mm)	0.6, 0.8, 0.9, 1.0, 1.2
Dimensions Power Source (LxWxH)	470x190x380mm
Weight Power Source	12.5 Kg
Warranty	3 years on power source



OPTIONAL SPOOL GUN

OPTIONAL CARRY BAG



135A SpoolGun
Part No. SPGRW135

RAZOR BAG
Part No. RAZOR MIG200 BAG-1

Overview

The RAZORWELD MIG175 is a new inverter-based portable MIG welding machine with added (MMA) Stick function. The MIG function allows you to weld with both Gas Shielded and Gas-less wire applications. Easy step-less adjustment of voltage and wire feed make for easy setting of welding parameters giving excellent, professional welding results. Wire Inch gives easy feeding of the wire during set up without gas wastage and the Burn Back adjustment leaves the wire stick out ready for the next weld. Stick welding capability delivers easy electrode welding with high quality results, including cast Iron, stainless and low hydrogen. An additional feature is the Spoolgun ready function that allows the simple connection of the SPGRW135 Spoolgun for the use of thin or softer wires that don't have the column strength to feed through standard MIG torches, such as aluminium wire. This is an industrial machine that is both lightweight and portable. Being 240v single phase gives great versatility. Ideal for general engineers, maintenance workshop, rural workshop, panel beaters, home workshop. designed and built to our specification. Certified to - AS/NZ60974.1

Product Code: KUMJRRW175MIG

Package includes: MIG175 Welding Machine, SB25 MIG Torch x 3m, Earth Lead & Arc Lead 25mm x 4m, Argon Regulator, Gas hose with quick connect fitting.

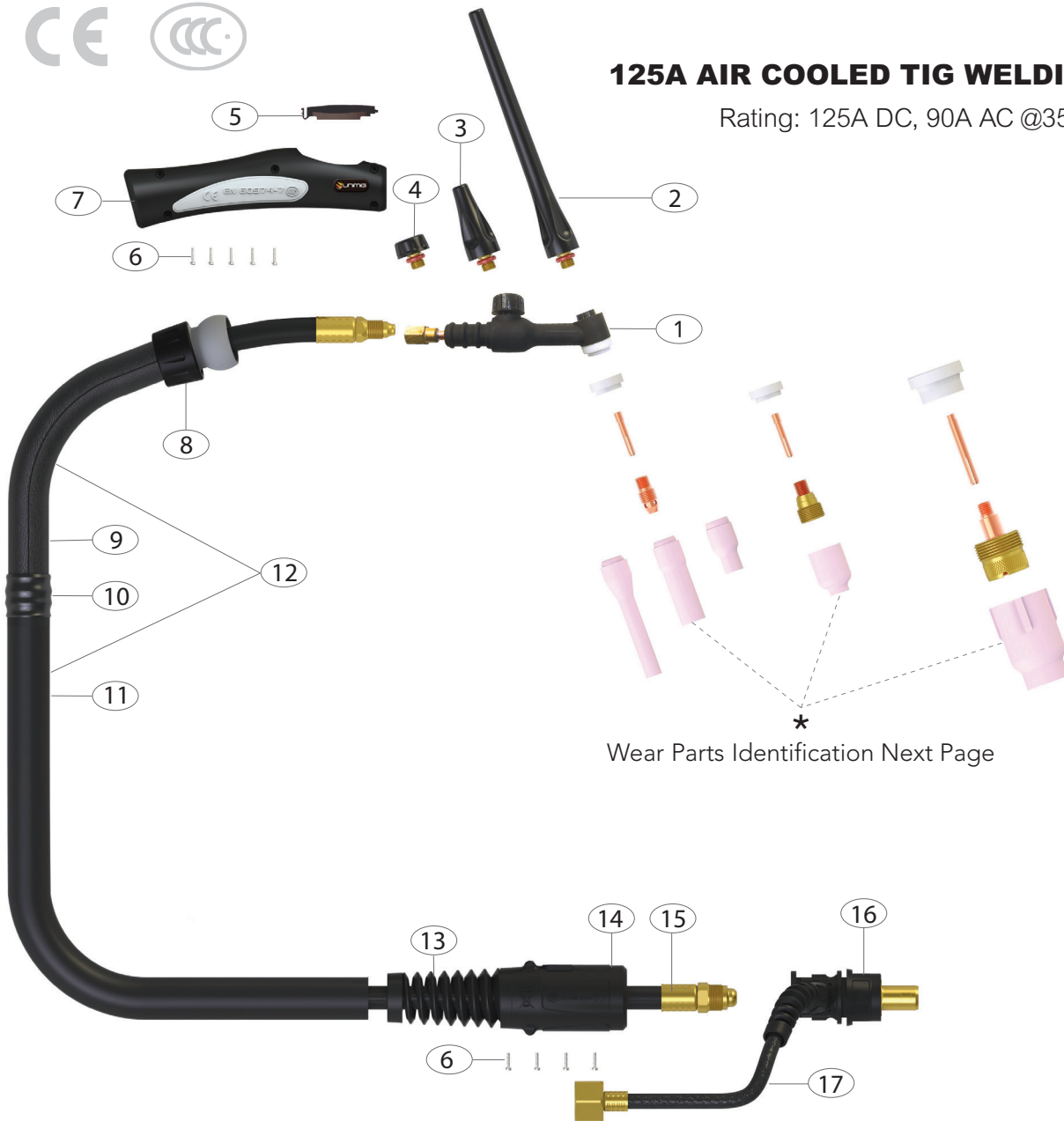


Suregrip Series 9V ERGO TIG TORCH



125A AIR COOLED TIG WELDING TORCH

Rating: 125A DC, 90A AC @35% duty cycle.



Wear Parts Identification Next Page

Torch Model

Description

Part Number

4m

8m

9V Suregrip Tig Torch Package c/w 2m Gas Hose

9V-4MCP25

9V-8MCP25

9V-4MCP50

9V-8MCP50

Spare Parts

Part Number	Description	Part Number	Description
1	WP9V Torch head Standard	10	UERJK100 Jointing Repair Kit
	WP9VF Torch head flexible	11	UERNCS-32 Neoprene Cover X 3.2mt
2	41V24 Back Cap Long		UERNCS-72 Neoprene Cover X 7.2mt
3	41V35 Back Cap Medium	12	UERCO100-40 Sheath X 12.5ft Inc Leather Cover
4	41V33 Back Cap Short		UERCO100-80 Sheath X 25ft Inc Leather Cover
5	UERBS Blank Kit	13	USLH917-S Cable Support Small
6	UERSP1 Screw Pack	14	USLH917-H "SurelokTM" Housing Small
8	UERH100 Small Ergo Tig Handle	15	USL57Y01AR Power Cable X 12.5ft "SurelokTM" Rub
9	UERKJ100 Small Knuckle Joint		USL57Y03AR Power Cable X 25ft "SurelokTM" Rubber
0	UERLC100-08 Leather Cover X 0.8mt	16	USL3550 "SurelokTM" Body & Support
		17	USL-1-GS4 Gas Supply Hose

Suregrip Series 9V ERGO TIG TORCH



Standard Front End Parts

Part # Description
598882 Cup Gasket



Part # Description
13N26 Collet body 1.0mm
13N27 Collet body 1.6mm
13N28 Collet body 2.4mm
13N29 Collet body 3.2mm



Part # Description
13N08 Alumina nozzle 6.0mm
13N09 Alumina nozzle 8.0mm
13N10 Alumina nozzle 10.0mm
13N11 Alumina nozzle 11.0mm
13N12 Alumina nozzle 13.0mm
13N13 Alumina nozzle 16.0mm



Part # Description
13N21 Collet 1.0mm
13N22 Collet 1.6mm
13N23 Collet 2.4mm
13N24 Collet 3.2mm



Part # Description
45V42 Gas Lens Body 1.0mm
45V43 Gas Lens Body 1.6mm
45V44 Gas Lens Body 2.4mm
45V45 Gas Lens Body 3.2mm



Part # Description
53N58 Gas Lens Nozzle Ø 6mm #4
53N59 Gas Lens Nozzle Ø 8mm #5
53N60 Gas Lens Nozzle Ø 10mm #6
53N61 Gas Lens Nozzle Ø 11mm #7
53N61S Gas Lens Nozzle Ø 13mm #8



TR0004-16



RED

ANSI/AWS A5.12-98
ISO 6848 WT20

2% Thoriated: Best stability at medium currents, good arc starts, medium tendency to spit, medium erosion rate. Commonly used for steel and stainless steel applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part #	Description
TR0004-10	1.0mm x 175mm thoriated tungsten electrode 2%
TR0004-16	1.6mm x 175mm thoriated tungsten electrode 2%
TR0004-24	2.4mm x 175mm thoriated tungsten electrode 2%
TR0004-32	3.2mm x 175mm thoriated tungsten electrode 2%

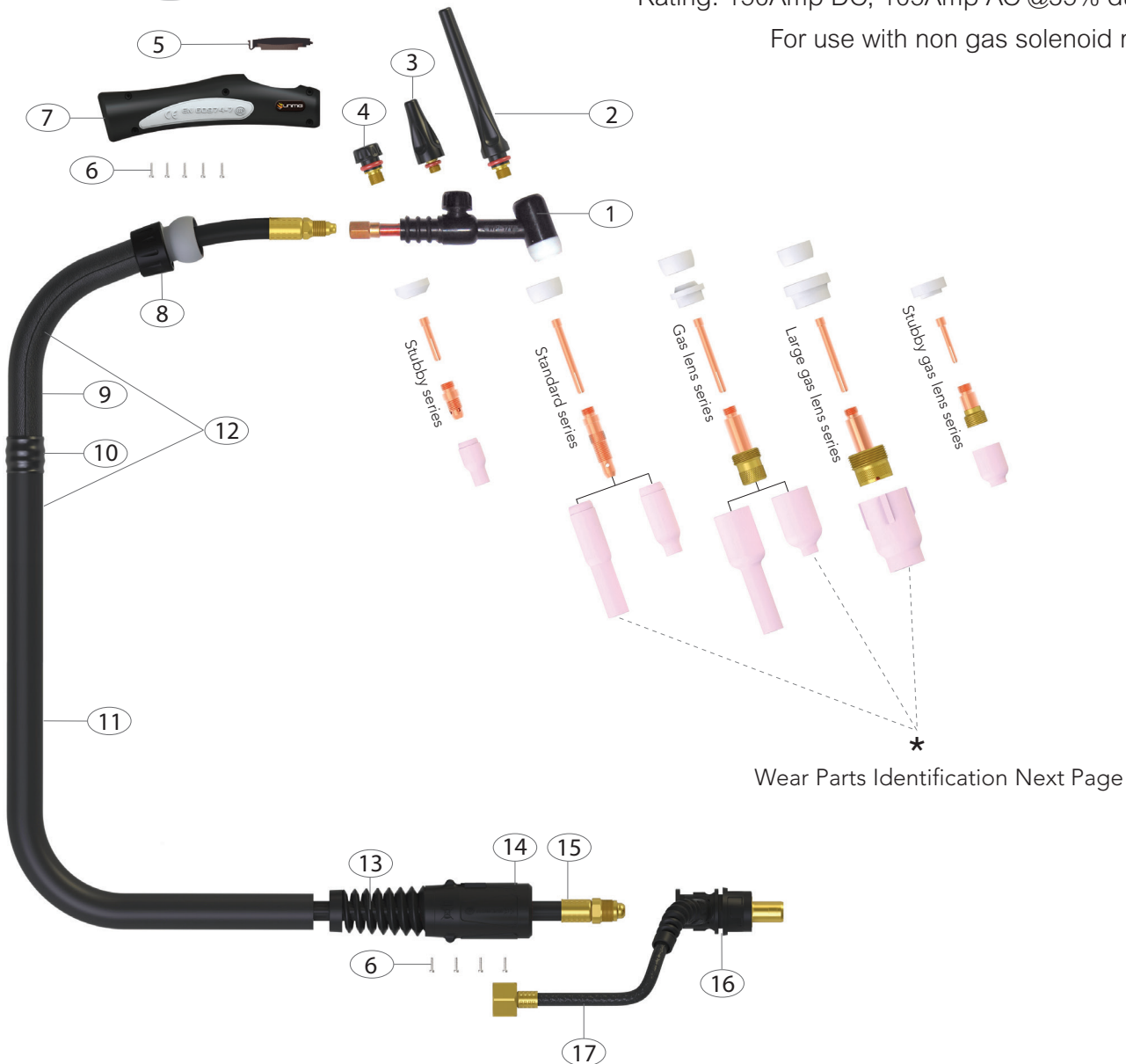
Suregrip Series 17V TIG TORCH



150A AIR COOLED TIG WELDING TORCH

Rating: 150Amp DC, 105Amp AC @35% duty cycle.

For use with non gas solenoid machines



* Wear Parts Identification Next Page






Torch Model	Description		Part Number	
			4m	8m
17V Suregrip Tig Torch Package c/w 2m Gas Hose			17V-4MCP25	17V-8MCP25
			17V-4MCP50	17V-8MCP50

Spare Parts		Part Number	Description		
1	WP17V	Torch head	11	UERNCL-32	Neoprene Cover X 3.2mt
	WP17VF	Torch head flexible	12	UERNCL-72	Neoprene Cover X 7.2mt
2	57Y02	Back cap long	12	UERCO100-40	Sheath X 12.5ft Inc Leather Cover
3	57Y03	Medium back cap	12	UERCO100-80	Sheath X 25ft Inc Leather Cover
4	57Y04	Short back cap	13	USLH917-S	Cable Support Small
5	UERBS	Blank Kitt	14	USLH917-H	"Surelok" Housing Small
6	UERSP1	Screw Pack	15	USL57Y01AR	"Power Cable X 12.5ft" Surelok Rubber
7	UERH100	Small Ergo Tig Handle	15	USL57Y03AR	Power Cable X 25ft "Surelok" Rubber
8	UERKJ100	Small Knuckle Joint	16	USL3550	"Surelok" Body & Support
9	UERLC200-08	Leather Cover X 0.8mt	17	USL-1-GS4	Gas Supply Hose
10	UERJK100	Jointing Repair Kit			

Suregrip Series 17V TIG TORCH



Standard Front End Parts

Part # 18CG	Description Cup Gasket	Part # 10N30 10N31 10N32 10N28	Description Collet Body 1.0mm Collet Body 1.6mm Collet Body 2.4mm Collet Body 3.2mm	Part # 10N49L 53N48L 53N47L	Description Long Alumina Nozzle Ø 8mm #5L Long Alumina Nozzle Ø 10mm #6L Long Alumina Nozzle Ø 11mm #7L
					
	Part # 10N22 10N23 10N24 10N25	Description Collet 1.0mm Collet 1.6mm Collet 2.4mm Collet 3.2mm	Part # 10N50 10N49 10N48 10N47 10N46 10N45 10N44	Description Alumina Nozzle Ø 6mm #4 Alumina Nozzle Ø 8mm #5 Alumina Nozzle Ø 10mm #6 Alumina Nozzle Ø 11mm #7 Alumina Nozzle Ø 13mm #8 Alumina Nozzle Ø 16mm #10 Alumina Nozzle Ø 19mm #12	
					

Compact Gas Lens Front End Parts

Part # 54N01	Description Gas Lens Gasket	Part # 45V25 45V26 45V27	Description Gas Lens Body 1.6mm Gas Lens Body 2.4mm Gas Lens Body 3.2mm	Part # 54N14 54N15 54N17	Description Gas lens ceramic 8.0mm Gas lens ceramic 7.0mm Gas lens ceramic 5.0mm
					

TR0004-16



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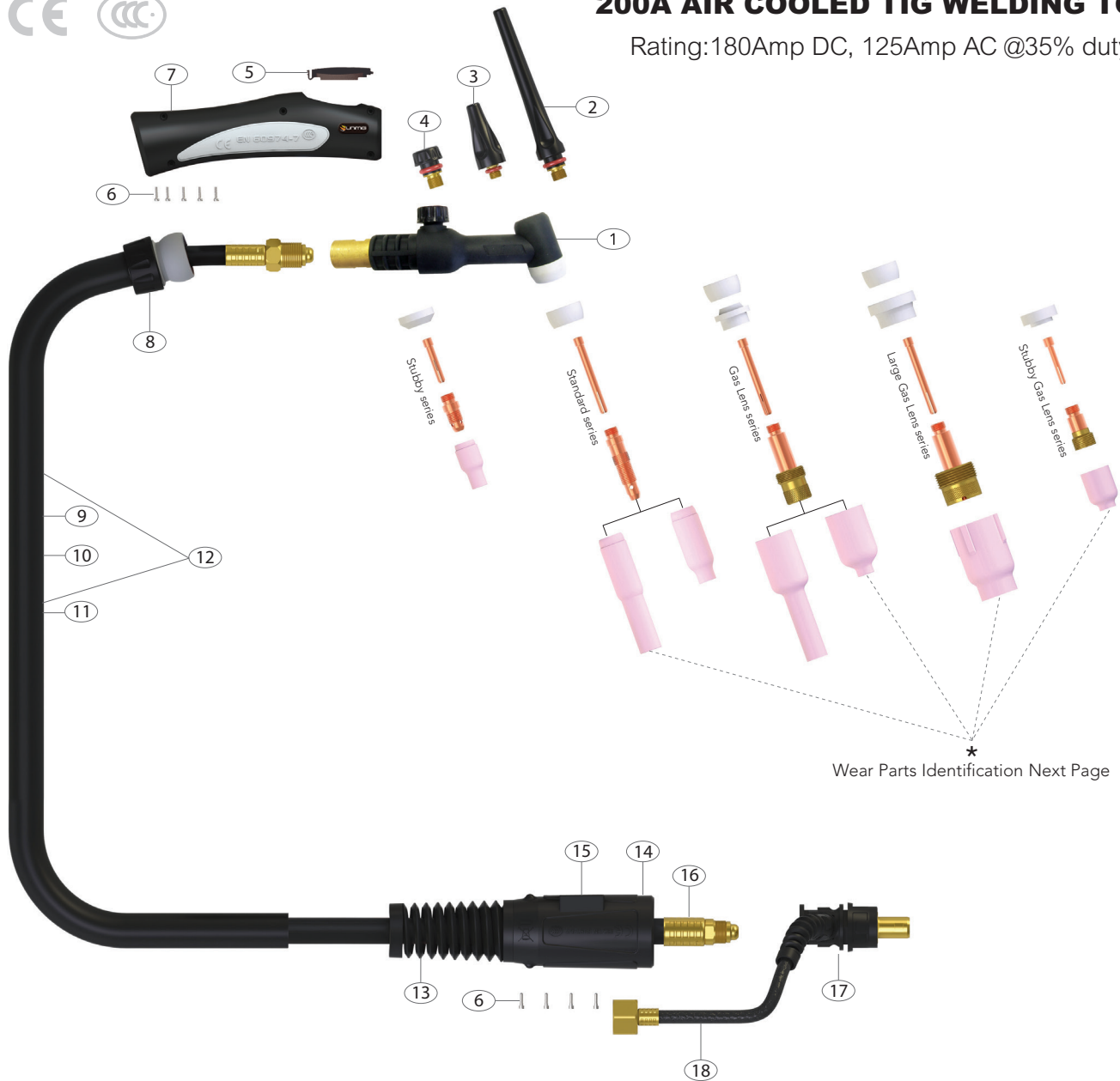
Part #	Description
TR0004-10	1.0mm x 175mm thoriated tungsten electrode 2%
TR0004-16	1.6mm x 175mm thoriated tungsten electrode 2%
TR0004-24	2.4mm x 175mm thoriated tungsten electrode 2%
TR0004-32	3.2mm x 175mm thoriated tungsten electrode 2%

Suregrip Series 26V TIG TORCH



200A AIR COOLED TIG WELDING TORCH

Rating: 180Amp DC, 125Amp AC @35% duty cycle.



Wear Parts Identification Next Page

Torch Model

Description

Part Number

4m

8m

26V Tig Torch Package c/w 2m Gas Hose

26V-4MCP50

26V-8MCP25

26V-8MCP50

Spare Parts

Part Number	Description	Part Number	Description
1	WP26V Torch head	11	UERNCL-32 Neoprene Cover X 3.2mt
	WP26VF Torch head flexible		UERNCL-72 Neoprene Cover X 7.2mt
2	57Y02 Back cap long	12	UERCO200-40 Sheath X 12.5ft Inc Leather Cover
3	57Y03 Medium back cap		UERCO200-80 Sheath X 25ft Inc Leather Cover
4	57Y04 Short back cap	13	USLH26-S Cable Support Large
5	UERBS Blank Kit	14	USLH26-H "Surelok" Housing Large
6	UERSP1 Screw Pack	15	USLH26-C "Surelok" Housing Cover
7	UERH200 Large Ergo Tig Handle	16	USL46V28AR Power Cable X 12.5ft "Surelok" Rubber
8	UERKJ200 Large Knuckle Joint		USL46V30AR Power Cable X 25ft "Surelok" Rubber
9	UERLC200-08 Leather Cover X 0.8mt	17	USL3550 "Surelok" Body & Support
10	UERJK200 Jointing Repair Kit	18	USL-1-GS4 Gas Supply Hose

Suregrip Series 26V TIG TORCH



Standard Front End Parts

Part # 18CG
Description Cup Gasket



Part # 10N30
10N31
10N32
10N28
Description Collet Body 1.0mm
Collet Body 1.6mm
Collet Body 2.4mm
Collet Body 3.2mm



Part # 10N49L
53N48L
53N47L
Description Long Alumina Nozzle Ø 8mm #5L
Long Alumina Nozzle Ø 10mm #6L
Long Alumina Nozzle Ø 11mm #7L



Part # 10N22
10N23
10N24
10N25
Description Collet 1.0mm
Collet 1.6mm
Collet 2.4mm
Collet 3.2mm

Part # 10N50
10N49
10N48
10N47
10N46
10N45
10N44
Description Alumina Nozzle Ø 6mm #4
Alumina Nozzle Ø 8mm #5
Alumina Nozzle Ø 10mm #6
Alumina Nozzle Ø 11mm #7
Alumina Nozzle Ø 13mm #8
Alumina Nozzle Ø 16mm #10
Alumina Nozzle Ø 19mm #12

Compact Gas Lens Front End Parts

Part # 54N01
Description Gas Lens Gasket



Part # 45V25
45V26
45V27
Description Gas Lens Body 1.6mm
Gas Lens Body 2.4mm
Gas Lens Body 3.2mm



Part # 54N14
54N15
54N17
Description Gas lens ceramic 8.0mm
Gas lens ceramic 7.0mm
Gas lens ceramic 5.0mm



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1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part # TR0004-10
TR0004-16
TR0004-24
TR0004-32
Description 1.0mm x 175mm thoriated tungsten electrode 2%
1.6mm x 175mm thoriated tungsten electrode 2%
2.4mm x 175mm thoriated tungsten electrode 2%
3.2mm x 175mm thoriated tungsten electrode 2%

AC/DC MACHINE OPTIONS

To Suit UNIMIG AC/DC Welding Machines



UTJRFC

Remote Amperage Foot Control

- Sturdy metal construction
- Ergonomic angle for pedal control
- Strong return spring
- Current limiting control

Part No	Description
UTJRFC	Foot Control / UNIMIG Range
UTJRFC-2	Foot Control / ARC400
UTJRFC-4	Foot Control 10K Pot / RAZORWELD 200AC/DC
UTMWFC	Foot Control / T&R Multi Wave Range



UER1MS

Remote Amperage Hand Control - ON / OFF

- Can be replaced in 5 seconds without the use of tools.

Part No	Description
ER1MS	ON/OFF Adjustment switch



UER1MS-1/5/10

Remote Amperage Hand Control - Vertical Adjustment

- Fingertip control of amperage at the torch during welding.
- Can be replaced in 5 seconds without the use of tools.

Part No	Description
UER1MS-1	Vertical Adjustment switch - 1K pot
UER1MS-5	Vertical Adjustment switch - 5K pot
UER1MS-10	Vertical Adjustment switch - 10K pot



ER1MS-1H/5H/10H

Remote Amperage Hand Control - Horizontal Adjustment

- Fingertip control of amperage at the torch during welding.
- Can be replaced in 5 seconds without the use of tools.

Part No	Description
UER1MS-1H	Horizontal Adjustment switch - 1K pot
UER1MS-5H	Horizontal Adjustment switch - 5K pot
UER1MS-10H	Horizontal Adjustment switch - 10K pot



UTJRWC-1

Water Cooler -240v Single Phase 9 Litre

- Rated Power 150W
- Flow Rate of 5.3 l/min
- Maximum start pressure of 500 kpa (70 psi)
- Reservoir volume of 9 litre
- In built fan cooled radiator
- Quick connect water couplings
- Independent on/off switch
- Dimensions 415 x 220 x 380mm
- Weight 18kg



UTJRTROLLEY

Trolley for RAZOR200ACDC / UNIMIG200ACDC Welder

- Sturdy metal construction
- Solid rear rubber wheels
- Heavy duty castor wheels
- Drawer for spares, leads, etc



UTJRTROLLEY3

Trolley for 315ACDC Welder 5 Litre

- Accepts installation WC-30 water cooler
- Sturdy metal construction
- Solid rear rubber wheels
- Heavy duty castor wheels
- Includes Water Cooler



ALUMINIUM MIG WIRE Precision Layer Wound

- High Quality
- Triple Shaved
- X-Ray Quality
- Precision Layer Wound
- Smooth Feeding
- Low Fume Factor
- Clean Welds
- International Approvals
- AWS, ABS, CWB, Lloyds Register, DNV, TUV, DB



UNIMIG 5356 is the highest quality consistent aluminium welding wire available anywhere in the world. Because our manufacturer is the only one in the world that melts and casts their own redraw rod and they have complete control of the manufacturing process allowing them to tightly control and refine the alloys' chemical composition to exacting tolerances, this ensures premium quality aluminium wire products and outstanding welding performance.

The surface finish of aluminium MIG wire is the greatest influencing factor of an electrode's performance and consistency during welding. A poor surface finish causes a variety of welding problems and interruptions such as poor feedability, premature liner wear, reduced contact tip life, porosity, dirty welds and burn backs. These welding interruptions increase your manufacturing costs and reduce productivity. Our focus is on providing the smoothest and most uniform surface finish possible - one that is clean and free of contamination and hydrocarbons. The consistent feed ability of UNIMIG aluminium wire is accomplished through use of advanced wire drawing technology and a proprietary triple shaving process. All UNIMIG aluminium wire goes through a unique testing and control process consisting of three steps: surface finish testing, feed ability testing, and weldability testing. A SEM (Scanning Electron Microscope) is used to inspect and control the wires surface finish and cleanliness, ensuring the best surface finish possible and superior welding performance.

Utilising additional manufacturing processes and controls for wire cast, helix and diameter tolerance, we further ensure high quality, premium aluminium MIG wire. A consistent and tightly controlled diameter tolerance is another important variable that contributes to arc stability, uniformity, and quality aluminium welds. To prevent diameter fluctuations that can have a profound, negative impact on welding conditions and amperage efficiency, we tightly control diameter tolerance on all of our aluminium welding wire to exacting standards to ensure consistent welding performance and results.

Part-No	Description	Weight
AM5356 0.8MM .45	XA 5356 x 0.8mm MIG Wire	0.45kg
AM5356 0.9MM .45	XA 5356 x 0.9mm MIG Wire	0.45kg
AM5356 1.2MM .45	XA 5356 x 1.2mm MIG Wire	0.45kg
AM5356 1.0MM 2.0	XA 5356 x 1.0mm MIG Wire	2.0kg
AM5356 1.2MM 2.0	XA 5356 x 1.2mm MIG Wire	2.0kg
AM5356 1.0MM 7.26	XA 5356 x 1.0mm MIG Wire	7.26kg
AM5356 1.2MM 7.26	XA 5356 x 1.2mm MIG Wire	7.26kg



4043 Aluminium MIG Wire

Part-No	Description	Weight
AM4043 0.9MM .45	XA 4043 x 0.9mm MIG Wire	0.45kg
AM4043 1.2MM .45	XA 4043 x 1.2mm MIG Wire	0.45kg
AM4043 1.2MM 7.26	XA 4043 x 1.2mm MIG Wire	7.26kg

5183 Aluminium MIG Wire

Part-No	Description	Weight
AM5183-1.2MM 7.26	XA 5183 x 1.2mm MIG Wire	7.26kg

ARC 400

TIG/MMA - 400 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



Industrial Rated 400 Amp DC Inverter Welder Portable, 415V 3 Phase

Features

- Advanced IGBT inverter technology
- MMA
- DC TIG with lift arc ignition & Gas solenoid valve
- Electrode Hot start and Adjustable Arc force
- VRD (Voltage Reduction Device)
- Adjustable Down slope
- 2T / 4T Trigger function
- Adjustable Post gas
- Rugged metal case construction
- Digital amperage display



Technical Data

Input power voltage (V)	415V 3Phase
Rated I _{max} input current (A)	18.5MMA
Rated I _{eff} input current (A)	11.8MMA
Rated power capacity (KVA)	7.6MMA
Current adjustment range (A) MMA	15-320
Current adjustment range (A) TIG	15-400
Voltage adjustment range (V) MMA	20.6-32.8
No-load voltage (V)	65
Duty Cycle 40°C as per AS/NZ60974-1	40% @ 320A / 100% @ 203A MMA 40% @ 400A / 100% @ 253A TIG
Efficiency (%)	85
Power factor	0.93
Protection class	IP21S
Insulation class	F
Weight (Kgs)	25 Kgs
Size (mm)	530 x 270 x 430



UTJRFC-2
Foot Control Option



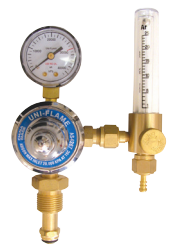
SR26-4MCP50
SR26-8MCP50
TIG Torch Option



SR18-4MCP50
SR18-8MCP50
Water cooled TIG Torch Option



UTJRW-1
Water Cooler Option



ARGON FLOWMETER
Regulator Option

MACHINE PACKAGE: KUMJR400DC

Standard option includes: ARC400 Machine, Earth Lead & Arc Lead 25mm x 4m,



ARC ACCESSORIES

Coolant, Antispatter, Nozzle Dip



UNICOOL

Industrial Coolant 5 litre

Unimig UNICOOL is a balanced recirculation system and torch coolant. It has been formulated for use with MIG Welding, TIG Welding, Laser Welding, Laser Cutting, Plasma Welding and Robotic Systems. Its thermal stability properties make it an excellent choice for use with high performance torches. When used in conjunction with a regular coolant system maintenance program, UNICOOL will eliminate damaging mineral deposit build up and will prevent clogging of the cooling system. This will extend the life of pumps, seals, gaskets and prevent costly downtime. It is suitable for use in warm and cold climate conditions. It contains rust and corrosion inhibitors that will help extend the life of the cooling system components. It is classified as a non-dangerous product.



Part-No: UNICOOL

UNIGUARD

ANTI-SPATTER SPRAY

**Part-No: UNIGUARD 5
UNIGUARD 20**

- Reduces downtime for cleanup tasks
- Non-toxic, biodegradable
- Non-flammable
- Ozone safe
- Uniform spray with no bubbles
- Paintable, contains no silicones
- User safe
- Eliminates need for grinding unwanted spatter
- Economical
- Base metal corrosion protection



Water Based Weld-Spatter Agent

UNIGUARD Anti-Spatter Spray is water based, paintable, cost effective and non-flammable agent for the prevention of weld-spatter adhering to metal surfaces during the welding process. UNIGUARD Anti-Spatter Spray has outstanding performance preventing spatter sticking to a wide range of steels, including mild steel, stainless, steels and aluminium. UNIGUARD Anti-Spatter Spray avoids the need for mechanical abrasion or grinding of weld spatter following welding. It contains corrosion inhibitors for base metal protection. UNIGUARD increases the life of torch components saving time and money. Eliminates spatter build up which results in poor gas flow causing pitting, porosity and burnbacks.

UNIMIG NOZZLE DIP GEL

Part-No: UMND

UNIMIG Nozzle Dip Gel is an advanced, non toxic, nozzle dip gel for the prevention of spatter adhering to sensitive components of welding torches, including the interior and exterior of MIG nozzles, the end and outer surfaces of contact tips and positional and fixtures.



ARC ACCESSORIES

**Cable Lugs, Chipping Hammer,
Wire Brushes, Hot Boxes, Anti Spatter**



CABLE LUGS

Part-No	Description
WCL16	16mm Crimp Cable Lug
WCL25	25mm Crimp Cable Lug
WCL35	35mm Crimp Cable Lug
WCL50	50mm Crimp Cable Lug
WCL70	70mm Crimp Cable Lug
WCL95	95mm Crimp Cable Lug



CHIPPING HAMMER

Part-No	Description
UMCH-HD	Chipping Hammer - Spring Grip



WIRE BRUSHES

Part-No	Description
WB3R	3 Row Steel Wire Brush
WB4R	4 Row Steel Wire Brush
WBSS4R	3 Row Stainless Steel Wire Brush



ELECTRODE OVEN

Part-No	Description
10 KG ELECTRODE OVEN	Portable Electrode Hot Box 240v / 50°- 300°C Suitable for 10kg of electrodes
5KG ELECTRODE OVEN	Portable Electrode Hot Box 240v / 50°- 200°C Suitable for 5kg of electrodes



ANTI-SPATTER SPRAY - Silicon & Benzene Free - Paintable

UNIMIG Anti-Spatter Spray is engineered to protect parts, tooling, and fixtures from spatter build-up. A convenient solvent-based, quick-drying aerosol that allows for pre-heat, higher duty cycles, and higher temperature applications. Excellent for fixture and tooling protection. The special formula allows surface painting after use. Base metal and fixture applications become easier to clean and remove unwanted weld spatter. UNIMIG AS400 Anti-Spatter Spray is anhydrous without silicone. You can use it both on the torch and on the pieces to weld. Wait for the evaporation of the solvent before welding. Product is for industrial and professional use only. Use only in a well-ventilated areas.

Available in 12 Can boxes.
Required to be shipped Class 2.2 Dangerous Goods Shipping
Material Safety Data Sheet available on request.

Anti-Spatter Aerosol Spray

Part-No	Description
AS400	UNIMIG Anti-Spatter Spray 400gram



ARC ACCESSORIES

Welding Cable, Welding Lead Sets



EXTRA FLEXIBLE, DOUBLE INSULATED

Part-No	Description	Amperage
WC16	16mm ² Double Insulated Cable	<160
WC25	25mm ² Double Insulated Cable	<250
WC35	35mm ² Double Insulated Cable	<350
WC50	50mm ² Double Insulated Cable	<500
WC70	70mm ² Double Insulated Cable	<700
WC95	95mm ² Double Insulated Cable	<950

*Available per Spool (100m)



EARTH & ARC LEAD SETS

Part-No	Description	Amperage
LS16-10/25-1	Lead Set 16mm ² x 4m 10-25 Male Plug	<160
LS16-35/50-1	Lead Set 16mm ² x 4m 35-50 Male Plug	<160
LS25-10/25-1	Lead Set 25mm ² x 4m 10-25 Male Plug	<250
LS25-35/50-1	Lead Set 25mm ² x 4m 35-50 Male Plug	<250
LS35-35/50-1	Lead Set 35mm ² x 4m 35-50 Male Plug	<350
LS50-35/50-1	Lead Set 50mm ² x 4m 35-50 Male Plug	<500



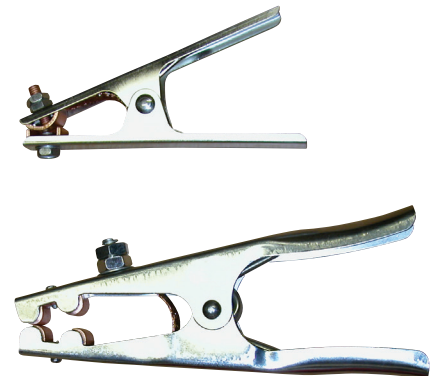
ELECTRODE HOLDER

Part-No	Description	Amperage
EH400	Electrode Holder Twist Lock	400
EH500-1	Electrode Holder Twist Lock	500



EARTH CLAMPS

Part-No	Description	Amperage
EC200	Earth Clamp - Tong Type	200
EC300	Earth Clamp - Tong Type	300
EC500	Earth Clamp - Tong Type	500



Engineers Chalk & Engineers Split Chalk.

Engineers Chalk Used For Marking Steel In General Engineering & Boilermaking.

- 75mm Long 10 X 5mm Split Chalk
- 75mm Long 10 X 10mm

Part-No:

CH751005 - Split Chalk

CH751010



Magnetic Particle Testing Spray

Description: DUBL-CHEK BO-1 is Black Oxide No.1 black magnetic oxide suspended in a highly refined light petroleum oil. The suspension responds to magnetic leakage fields created by discontinuities in ferromagnetic material. Particles rapidly collect at leakage fields producing black indications

DUBL-CHEK CP-2 is a specially formulated, fast drying, low odour white paint that provides a high contrast background for interpreting magnetic particle results. CP-2 enhances the visibility of indications under visible light conditions when the background material has a similar colour to the particles. When dry, CP-2 is resistant to wet suspension fluids.

Part-No: BO-1 (Black Oxide No.1)

Part-No: CP-2 (White Paint)



Non Destructive Testing Spray

Description: D-100 developer consists of refined white particles suspended in isopropyl alcohol that produces enhanced sensitivity for locating tight flaws. D-100 developer pulls flaw-entrapped penetrant to the part surface for display against a white background by solvent and capillary action. Complies with low sulfur and low halogen requirements.

Description: DP-50 is water washable visible penetrant used to locate cracks, laps, pores, lack of bonding, and similar surface flaws. DP-50 can be used on nonporous parts including both ferrous and nonferrous metals, ceramics, and glass and some plastics. Referred to as the visible dye penetrant method or color contrast method of inspection and can be used for weld inspection.

Description: DR-60 Cleaner-Remover is used in the penetrant process to remove excess penetrant from part surfaces. It is a manual wipe on and wipe off material and is recommended for small areas. DR-60 may also be used for generally cleaning oily, dirty surfaces. DR-60 is especially suitable for cleaning prior to the application of inspection penetrants. Complies with low sulfur and low halogen requirements.

Part-No: D-100 (Developer)

Part-No: DP-50 (Penetrant)

Part-No: DR-60 (Cleaner)



Engineers Chalk & Engineers Split Chalk.

Engineers Chalk Used For Marking Steel In General Engineering & Boilermaking.

- 75mm Long 10 X 5mm Split Chalk
- 75mm Long 10 X 10mm

Part-No:

CH751005 - Split Chalk

CH751010



Magnetic Particle Testing Spray

Description: DUBL-CHEK BO-1 is Black Oxide No.1 black magnetic oxide suspended in a highly refined light petroleum oil. The suspension responds to magnetic leakage fields created by discontinuities in ferromagnetic material. Particles rapidly collect at leakage fields producing black indications

DUBL-CHEK CP-2 is a specially formulated, fast drying, low odour white paint that provides a high contrast background for interpreting magnetic particle results. CP-2 enhances the visibility of indications under visible light conditions when the background material has a similar colour to the particles. When dry, CP-2 is resistant to wet suspension fluids.

Part-No: BO-1 (Black Oxide No.1)

Part-No: CP-2 (White Paint)



Non Destructive Testing Spray

Description: D-100 developer consists of refined white particles suspended in isopropyl alcohol that produces enhanced sensitivity for locating tight flaws. D-100 developer pulls flaw-entrapped penetrant to the part surface for display against a white background by solvent and capillary action. Complies with low sulfur and low halogen requirements.

Description: DP-50 is water washable visible penetrant used to locate cracks, laps, pores, lack of bonding, and similar surface flaws. DP-50 can be used on nonporous parts including both ferrous and nonferrous metals, ceramics, and glass and some plastics. Referred to as the visible dye penetrant method or color contrast method of inspection and can be used for weld inspection.

Description: DR-60 Cleaner-Remover is used in the penetrant process to remove excess penetrant from part surfaces. It is a manual wipe on and wipe off material and is recommended for small areas. DR-60 may also be used for generally cleaning oily, dirty surfaces. DR-60 is especially suitable for cleaning prior to the application of inspection penetrants. Complies with low sulfur and low halogen requirements.

Part-No: D-100 (Developer)

Part-No: DP-50 (Penetrant)

Part-No: DR-60 (Cleaner)





ELECTRODE HANDY PACKS

MAGMAWELD Electrodes are available in convenient handy packs. Covering the widest range of applications, distinctively packaged and colour coded to provide simple selection. With the MAGMAWELD display stand the selection and purchasing of MAGMAWELD electrodes for the tradesman or handy person couldn't be easier.



ELECTRODE HANDY PACKS

Part-No	Description	Pack Qty
ESR-11- BLISTER	Magmaweld General Purpose Electrode - Handy Pack	10pcs 2.5mm, 5pcs 3.2mm
ESB-44- BLISTER	Magmaweld Low Hydrogen Electrode - Handy Pack	10pcs 2.5mm, 5pcs 3.2mm
EI-316L- BLISTER	Magmaweld Stainless Steel Electrode - Handy Pack	10pcs 2.5mm, 5pcs 3.2mm
EH-531- BLISTER	Magmaweld Hard Facing Electrode - Handy Pack	10pcs 3.2mm
ENI-416- BLISTER	Magmaweld Cast Iron Electrode - Handy Pack	10pcs 2.5mm, 5pcs 3.2mm
EI-312L- BLISTER	Magmaweld Dissimilar Metal Electrode - Handy Pack	10pcs 2.5mm, 5pcs 3.2mm
MAG STAND (6)	Magmaweld Blister Pack Hanger Display	1pc

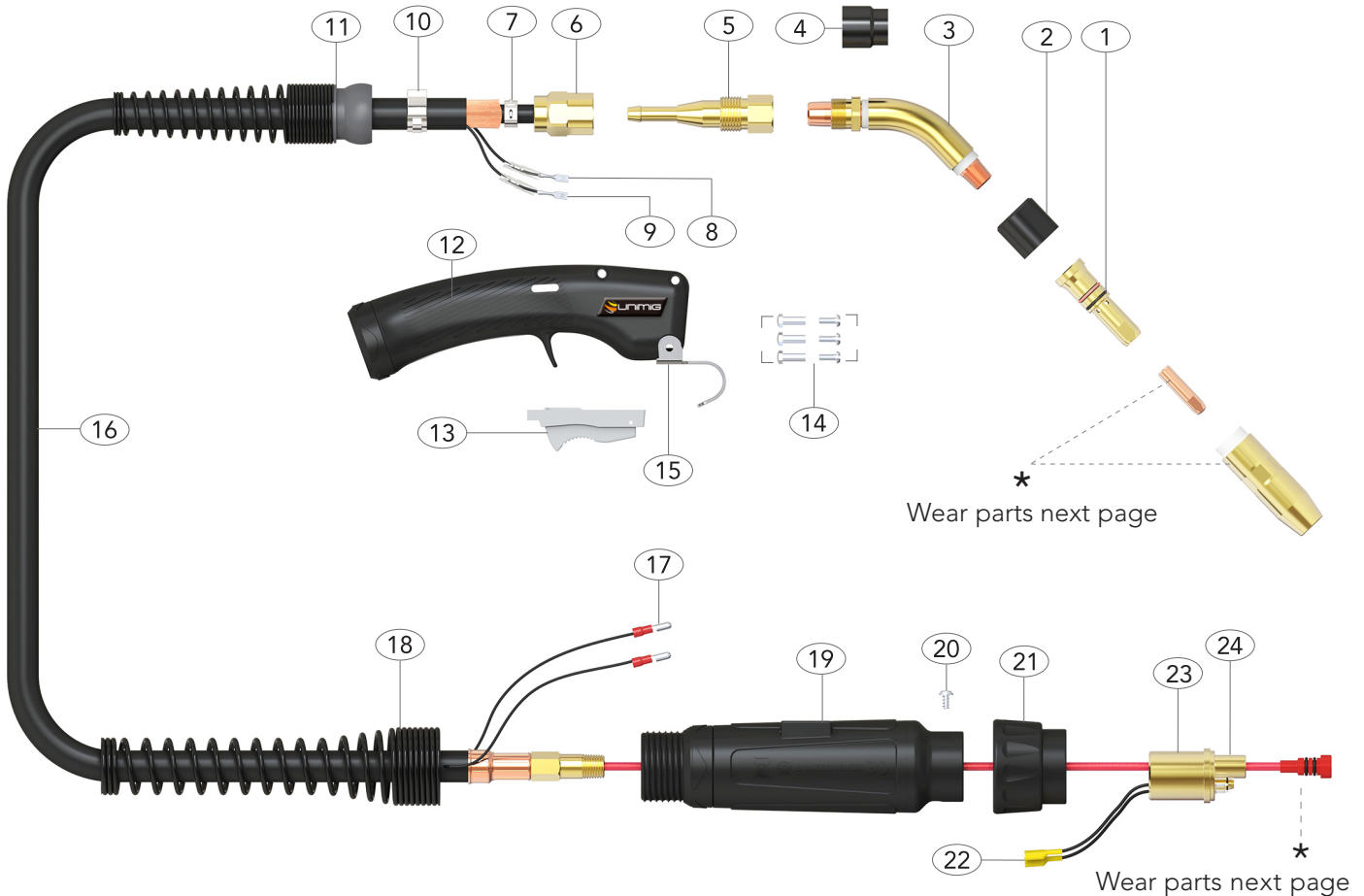
Suregrip Series

BND 300 MIG TORCH



BND 300 Air Cooled Mig Welding Torch

Rating: 300A CO2 200A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



Torch Model	Description			
	Part Number	3 Mt	4 Mt	5 Mt
BND 300 Mig Torch C/W Euro fitting	ARBND301-12E		ARBND301-15E	ARBND300-17E
BND 300 Mig Torch C/W Quick Connect	ARBND300-12QD		ARBND300-15QD	N/A

Spare Parts					
Part Number	Description	Part Number	Description	Part Number	Description
1	WGA4335	Head Assembly	15	UR4238	Hanger Hook
2	WGA4323	Rubber Cap	16	U4261TE	Hyperflex Cable Assy X 10ft
3	WGA4786	Swan Neck Assembly		U4262TE	Hyperflex Cable Assy X 12ft
4	U4780	Neck Insulator		U4265TE	Hyperflex Cable Assy X 15ft
5	U4213B	End Fitting	17	UB1522	Cable Terminal Male
6	UR4305	Cone Nut	18	UPA2041	Cable Support
7	UB5046	Hose Clamp 12mm	19	UB1518	Gun Plug Housing C/W Nut
8	UB1521-C	Cable Terminal Cover	20	UB1526	Gun Plug Screw
9	UB1521	Cable Terminal	21	UB1519/S	Euro Housing Nut Assembly
10	UB5044	Hose Clamp 18.5mm	22	UB1523	Gun Plug Terminal Female
11	UBE8016	Spring Cable Support & Ball Joint	23	U5060	Gun Plug Body
12	UN1780006	Handle Kit C/W Screws & Nut	24	UB1524	Gun Plug 'O' ring
13	U5662	Trigger Switch			
14	U1880004	Screw Kit			

These parts are manufactured in China and are offered as replacement parts suitable for "BERNARD" style torches.

Front end consumables



BND300 Contact Tips H/D

Part Number	Description	
PWGA7488	0.8mm contact tip	QTY10
PWGA7489	0.9mm contact tip	QTY10
PWGA7496	1.0mm contact tip	QTY10
PWGA7490	1.2mm contact tip	QTY10
PWGA7498	1.4mm contact tip (1.2mm Aluminium)	QTY10



BND300 Contact Tips Holder

Part Number	Description	
PWGA1589	Contact Long Tip 0.9mm	QTY10
PWGA1596	Contact Long Tip 1.0mm	QTY10
PWGA1590	Contact Long Tip 1.2mm	QTY10
PWGA1598	Contact Long Tip 1.2mm Alum	QTY10



BND300 Head Assembly

Part Number	Description	
PWGA4335	Head assembly	QTY2
PWGA4235	Head assembly long tip	QTY2



BND300 Gas Nozzle

Part Number	Description	
WGA4391	Gas Nozzle Cylindrical	QTY2
PWGA4392	Gas Nozzle Conical	QTY2
PWGA4393	Gas Nozzle	QTY2

Liners



BND300 Liners

Part Number	Description
WGA 43115	15ft liner (0.9-1.2mm)
WGA 43215	15ft liner (1.6mm)
WGA 43115X	15ft aluminium liner (1.2mm)
WGA 44215X	15ft aluminium liner (1.2-1.6mm)

These parts are manufactured in China and are offered as replacement parts suitable for "BERNARD" style torches.

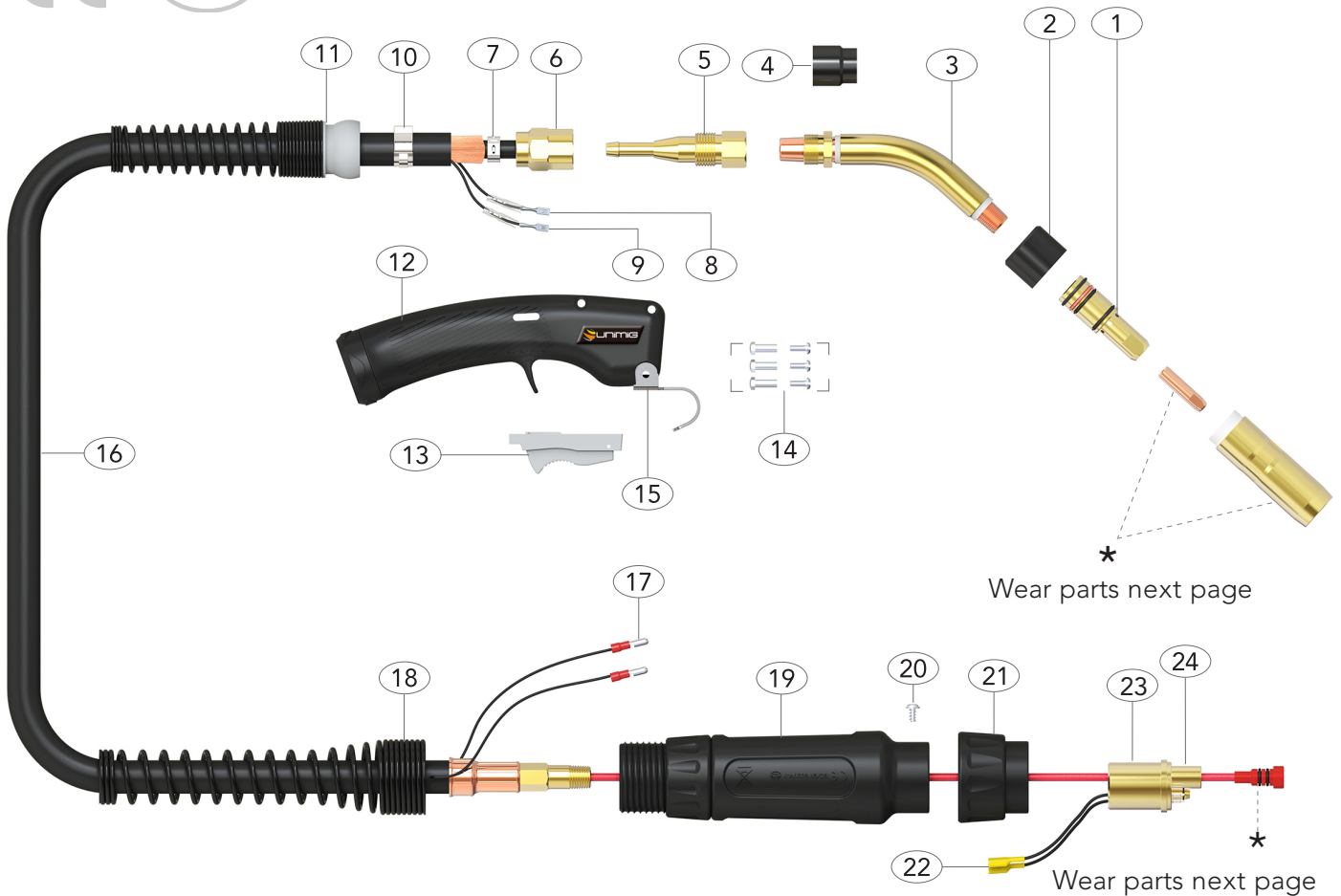
Suregrip Series

BND 400 MIG TORCH



BND 400 Air Cooled Mig Welding Torch

Rating: 400A CO2 320A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.6mm wires



Wear parts next page

Wear parts next page

Torch Model			
Description	Part Number		
	3 Mt	4 Mt	5 Mt
BND400 Mig Torch C/W Euro fitting	ARBND400-12E	ARBND400-15E	ARBND400-17E
BND400 Mig Torch C/W Quick Connect	ARBND400-12QD	ARBND400-15QD	N/A

Spare Parts			
Part Number	Description	Part Number	Description
1	WGA4435 Head Assembly	15	UR4238 Hanger Hook
2	WGA4423 Rubber Cap	16	U4361TE Hyperflex Cable Assy X 10ft
3	WGA4790 Swan Neck Assembly		U4362TE Hyperflex Cable Assy X 12ft
4	U4780 Neck Insulator		U4365TE Hyperflex Cable Assy X 15ft
5	U4213B End Fitting	17	UB1522 Cable Terminal Male
6	UR4305 Cone Nut	18	UC8026 Housing Spring
7	UB5046 Hose Clamp 12mm	19	UB1518L Gun Plug Housing C/W Nut
8	UB1521-C Cable Terminal Cover	20	UB1526 Gun Plug Screw
9	UB1521 Cable Terminal	21	UB1519/S Euro Housing Nut Assembly
10	U132-12 Clamp	22	UB1523 Gun Plug Terminal Female
11	UBE8018 Spring Cable Support & Ball Joint	23	U5060 Gun Plug Body
12	UN1780006 Handle Kit C/W Screws & Nut	24	UB1524 Gun Plug 'O' ring
13	U5662 Trigger Switch		
14	U1880004 Screw Kit		

Suregrip Series

BND 400 MIG TORCH

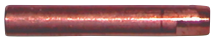


Front end consumables



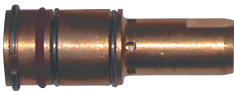
BND400 Contact Tips

Part Number	Description	
PWGA7488	0.8mm contact tip	QTY10
PWGA7489	0.9mm contact tip	QTY10
PWGA7496	1.0mm contact tip	QTY10
PWGA7490	1.2mm contact tip	QTY10
PWGA7498	1.4mm contact tip (1.2mm Aluminium)	QTY10



BND400 Contact Tips Long

Part Number	Description	
PWGA1589	Contact Long Tip 0.9mm	QTY10
PWGA1596	Contact Long Tip 1.0mm	QTY10
PWGA1590	Contact Long Tip 1.2mm	QTY10
PWGA1598	Contact Long Tip 1.2mm Aluminium	QTY10



BND400 Head assembly

Part Number	Description	
PWGA4435	Head assembly	QTY2
PWGA4635	Head assembly long tip	QTY2



BND400 Gas Nozzle

Part Number	Description	
PWGA4491	Gas Nozzle Cylindrical	QTY2
PWGA4492	Gas Nozzle Conical	QTY2

Liners



BND400 Liners

Part Number	Description
WGA 44115	15Ft liner (0.9-1.2mm)
WGA 44215	15Ft liner (1.6mm)
WGA 43115X	15ft aluminium liner (1.2mm)
WGA 44215X	15ft aluminium liner (1.2-1.6mm))

These parts are manufactured in China and are offered as replacement parts suitable for "BERNARD" style torches.

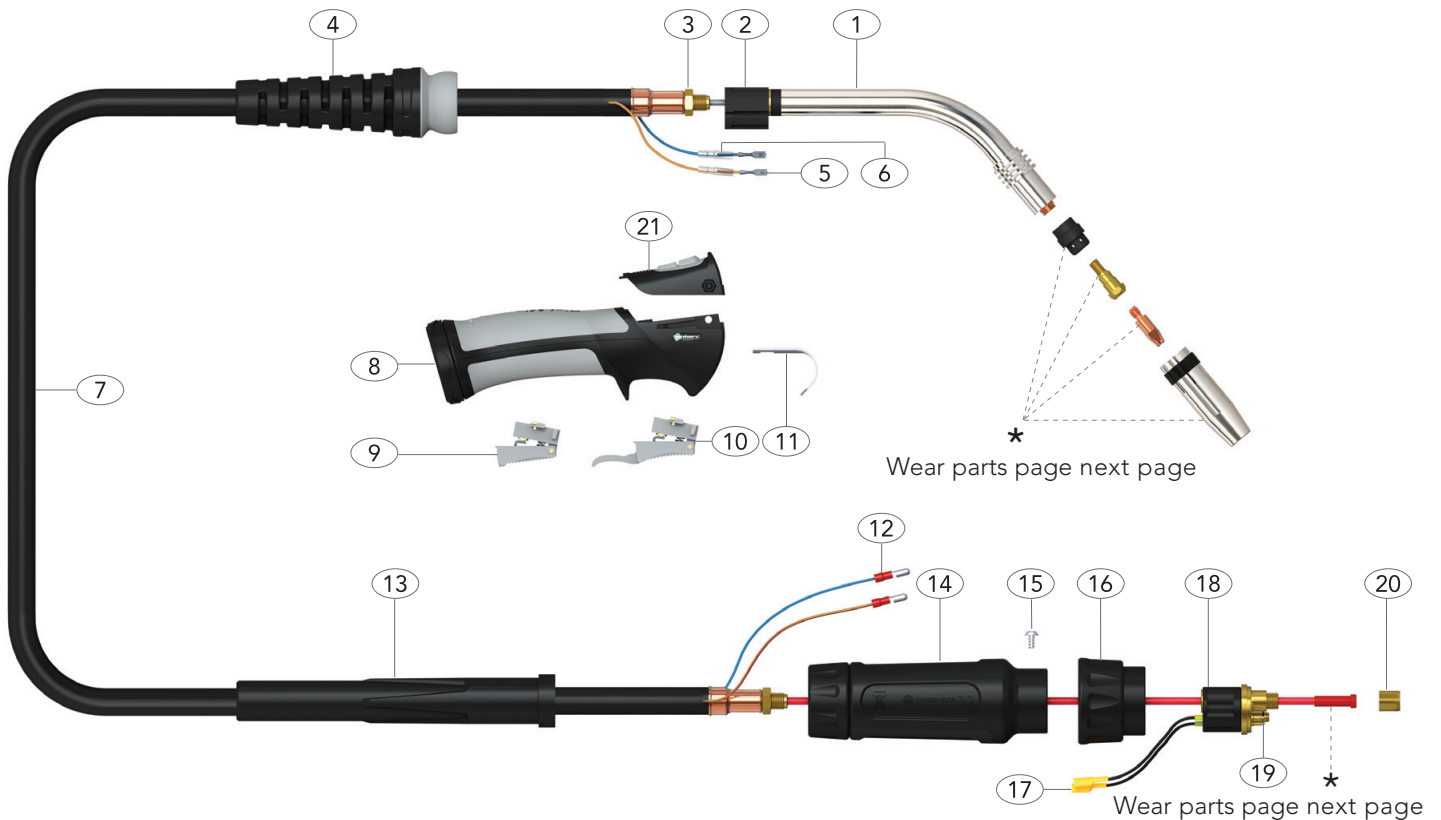
Suregrip Series

DM24 DIGITAL MIG TORCH



DM240A AIR COOLED MIG WELDING TORCH

Rating: 250A CO₂ 220A mixed gas EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



Torch Model	Description		
DM24 Digital Suregrip Ergo Torch Package	3 Mt DM2400-JDM2-MT1-30ER	4 Mt DM2400-JDM2-MT1-40ER	5 Mt DM2400-JDM2-MT1-50ER

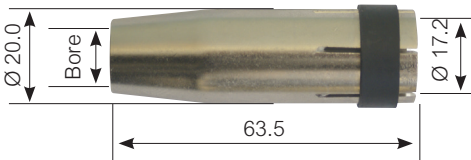
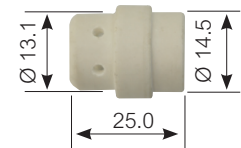
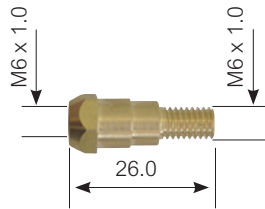
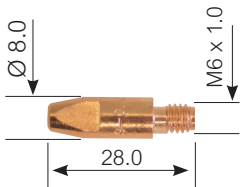
Spare Parts		Part Number	Description		
1	SNK24	Swan Neck Assembly	11	UB2517	Hanger Hook
2	UG1515	Ergo Handle Location Body	12	UB1522	Cable Terminal Male
3	UB1505	Lock Nut	13	UPA2041	Cable Support
4	UG8015	Handle Cable Support C/W Ball Joint	14	UB1518	Gun Plug Housing C/W Nut
5	UB1521	Cable Terminal	15	UB1541	Gun Plug Screw
6	UB1521-C	Cable Terminal Cover	16	UB1519/S	Gun Plug Nut
7	UB2603-30	Hyperflex Cable Assembly x 3mt	17	UB1523	Gun Plug Terminal Female
	UB2603-40	Hyperflex Cable Assembly x 4mt	18	UC1528	Hybrid Gun Plug Body C/W Spring Pins
	UB2603-50	Hyperflex Cable Assembly x 5mt	19	UB1524	Gun Plug 'O' Ring
8	DM2514/KJ	Digi-Mig Handle Kit	20	UB1525	Liner Nut
9	DM2516	Standard Trigger Assembly	21	DM2	Digi-Mig Control Kit
10	DM2516L	Extended Trigger Assembly			

Suregrip Series

DM24 DIGITAL MIG TORCH



Front end consumables



DM24 Contact Tips

Part Number	Description
PCT0009-06	Contact Tip Steel (0.6mm)
PCT0009-08	Contact Tip Steel (0.8mm)
PCT0009-09	Contact Tip Steel (0.9mm)
PCT0009-10	Contact Tip Steel (1.0mm)
PCT0009-12	Contact Tip Steel (1.2mm)
PCT0009-16	Contact Tip Steel (1.6mm)
PCTZR009-09	Contact Tip Steel Long Life (0.9mm)
PCTZR009-12	Contact Tip Steel Long Life (1.2mm)
PCTAL0009-09	Contact Tip Aluminium (0.9mm)
PCTAL0009-10	Contact Tip Aluminium (1.0mm)
PCTAL0009-12	Contact Tip Aluminium (1.2mm)

DM24 Tip Holder

Part Number	Description
PCTH24	Contact Tip Holder

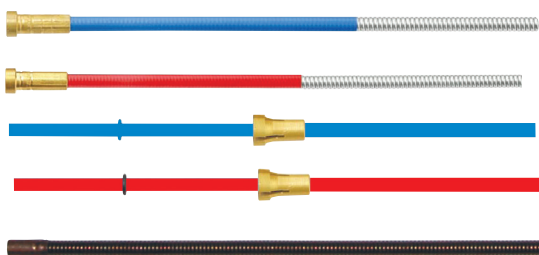
DM24 Gas Diffuser

Part Number	Description
PCGD24	Gas Diffuser

DM24 Gas Nozzle

Part Number	Description
PGN24CYL	Cylindrical Nozzle
PGN24CON	Conical Nozzle
PGN24TAP	Tapered Nozzle
PGN24SPOT	Spot Nozzle

Liners



DM24 Liners

Part Number	Description
SLR3M	Red Steel Liner 3 Metre
SLR4M	Red Steel Liner 4 Metre
SLR5M	Red Steel Liner 5 Metre
SLY3M	Yellow Steel Liner 3 Metre
SLY4M	Yellow Steel Liner 4 Metre
SLY5M	Yellow Steel Liner 5 Metre
NKSTL	Neck Spring for Aluminium

These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

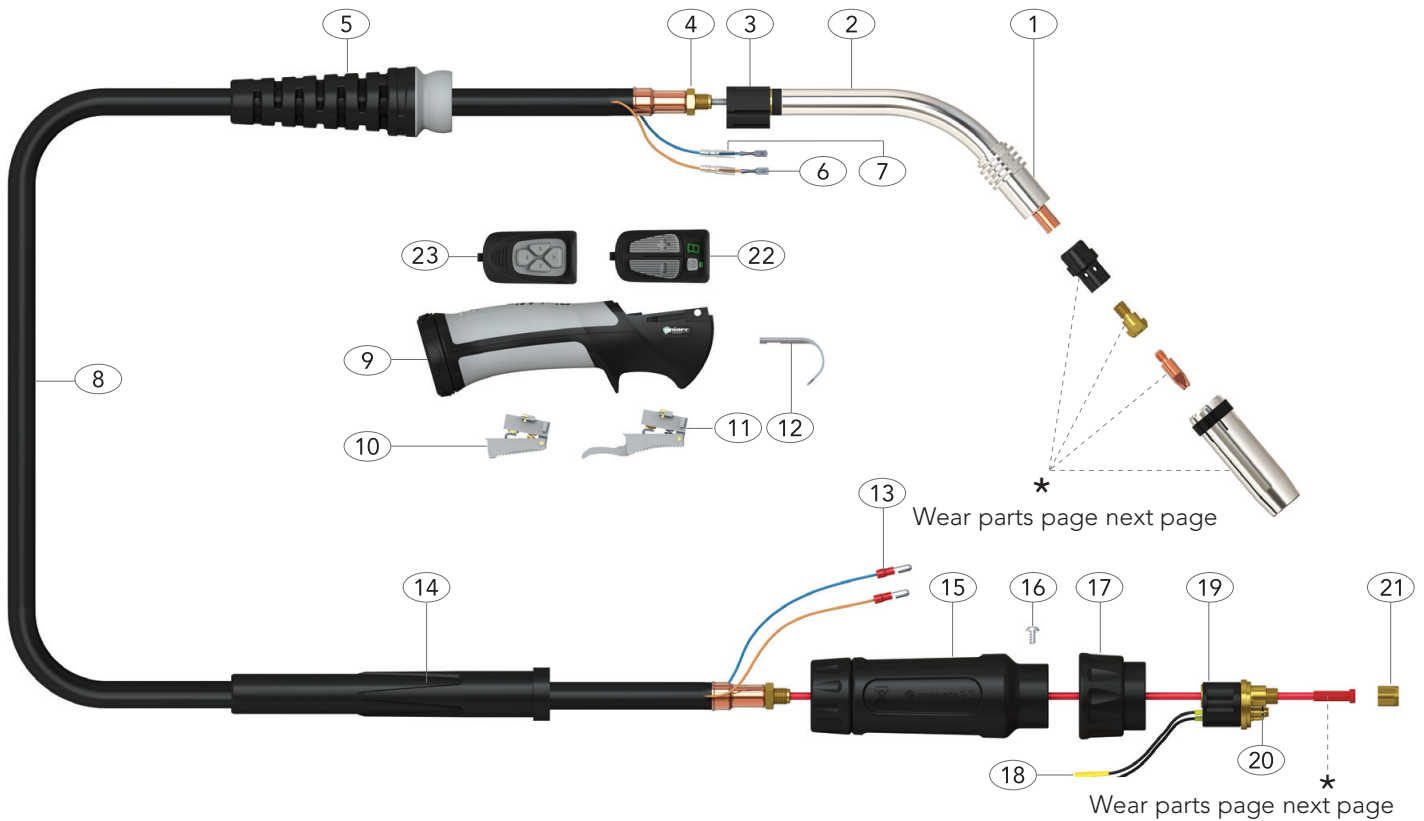
Suregrip Series

DM26 DIGITAL MIG TORCH



DM260A AIR COOLED MIG WELDING TORCH

Rating: 270A CO2 240A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



Torch Model

Description

Part Number

3 Mt

4 Mt

5 Mt

DM26 Digital Suregrip Ergo Torch MIG DM2600-JDM2-MT1-30ER DM2600-JDM2-MT1-40ER DM2600-JDM2-MT1-50ER

DM26 Digital Suregrip Ergo Torch PULSE DM2600-NMM2-MT2-30ER DM2600-NMM2-MT2-40ER DM2600-NMM2-MT2-50ER

Spare Parts

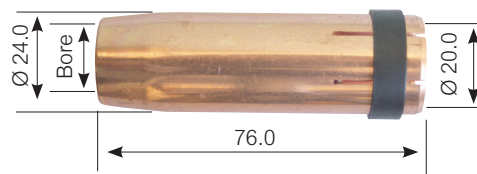
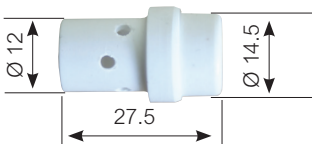
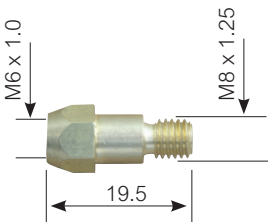
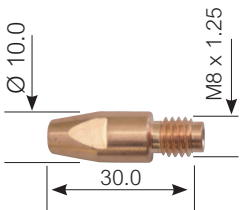
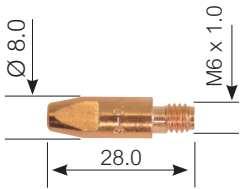
Part Number	Description	Part Number	Description
1	UB2502 Shroud Spring	11	DM2516L Extended Trigger Assembly
2	UG2501 Swan Neck Assembly	12	UB2517 Hanger Hook
3	UG1515 Ergo Handle Location Body	13	UB1522 Cable Terminal Male
4	UB1505 Lock Nut	14	UPA2041 Cable Support
5	UG8015 Handle Cable Support C/W Ball Joint	15	UB1518 Gun Plug Housing C/W Nut
6	UB1521 Cable Terminal	16	UB1541 Gun Plug Screw
7	UB1521-C Cable Terminal Cover	17	UB1519/S Gun Plug Nut
8	UB2503-30 Hyperflex Cable Assembly x 3mt	18	UB1523 Gun Plug Terminal Female
	UB2503-40 Hyperflex Cable Assembly x 4mt	19	UC1528 Hybrid Gun Plug Body C/W Spring Pins
	UB2503-50 Hyperflex Cable Assembly x 5mt	20	UB1524 Gun Plug 'O' Ring
9	DM2514/KJ Digi-Mig Handle Kit	21	UB1525 Liner Nut
10	DM2516 Standard Trigger Assembly	22	DM2 Digi-Mig Control Kit
		23	MM2 Logic Control Kit for Pulse Machine

Suregrip Series

DM26 DIGITAL MIG TORCH



Front end consumables



DM26 Contact Tips M6

Part Number	Description
PCT0009-06	Contact Tip Steel (0.6mm)
PCT0009-08	Contact Tip Steel (0.8mm)
PCT0009-09	Contact Tip Steel (0.9mm)
PCT0009-10	Contact Tip Steel (1.0mm)
PCT0009-12	Contact Tip Steel (1.2mm)
PCT0009-16	Contact Tip Steel (1.6mm)
PCTZR009-09	Contact Tip Steel Long Life (0.9mm)
PCTZR009-12	Contact Tip Steel Long Life (1.2mm)
PCTAL0009-09	Contact Tip Aluminium (0.9mm)
PCTAL0009-10	Contact Tip Aluminium (1.0mm)
PCTAL0009-12	Contact Tip Aluminium (1.2mm)

DM26 Tip Holder M8

Part Number	Description
PCTH26M6S	Contact Tip Holder M6 (Short)

DM26 Gas Diffuser

Part Number	Description
PCGD26	Gas Diffuser

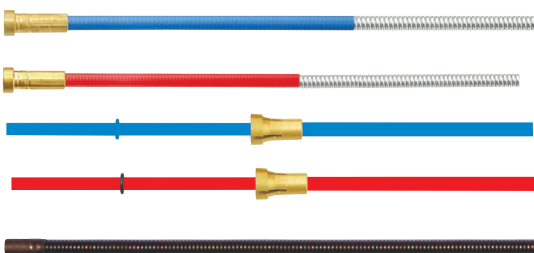
DM26 Gas Nozzle

Part Number	Description
PGN38CON	Gas Nozzle Conical
PGN38CYL	Gas Nozzle Cylindrical
PGN38TAP	Gas Nozzle Tapped

DM26 Liners

Part Number	Description
SLR3M	Red Steel Liner 3 Metre
SLR4M	Red Steel Liner 4 Metre
SLR5M	Red Steel Liner 5 Metre
SLY3M	Yellow Steel Liner 3 Metre
SLY4M	Yellow Steel Liner 4 Metre
SLY5M	Yellow Steel Liner 5 Metre
NKSTL	Neck Spring for Aluminium

Liners



These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

WIRE FEED DRIVE ROLLERS

To Suit UNIMIG & RAZORWELD MIG Welders



DRIVE ROLLERS

ROLLER DIAMETER: 30/10



V Groove Drive Roller - Steel Wire

Part Number	Description
0.6-0.8V30/10	Drive Roll V Groove 0.6-0.8mm
0.8-0.9V30/10	Drive Roll V Groove 0.8-0.9mm

U Groove Drive Roller - Soft Wire

Part Number	Description
0.6-0.8U30/10	Drive Roll U Groove 0.6-0.8mm

Knurled Drive Roller - Flux Core Wire

Part Number	Description
0.6-0.8F30/10	Drive Roll Knurled 0.6-0.8mm
0.8-0.9F30/10	Drive Roll Knurled 0.8-0.9mm

ROLLER DIAMETER: 30/22



V Groove Drive Roller - Steel Wire

Part Number	Description
0.6-0.8V30/22	Drive Roll V Groove 0.6-0.8mm
0.8-1.0V30/22	Drive Roll V Groove 0.8-1.0mm
0.9-1.2V30/22	Drive Roll V Groove 0.9-1.2mm
1.0-1.2V30/22	Drive Roll V Groove 1.0-1.2mm
1.2-1.6V30/22	Drive Roll V Groove 1.2-1.6mm

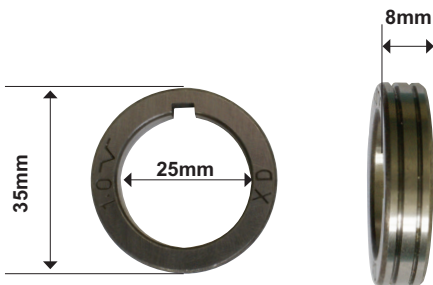
Knurled Drive Roller - Flux Core Wire

Part Number	Description
0.6-0.8F30/22	Drive Roll Knurled 0.6-0.9mm
0.8-0.9F30/22	Drive Roll Knurled 0.8-0.9mm
0.9-1.2F30/22	Drive Roll Knurled 0.9-1.2mm
1.2-1.6F30/22	Drive Roll Knurled 1.2-1.6mm

U Groove Drive Roller - Soft Wire

Part Number	Description
0.8-1.0U30/22	Drive Roll U Groove 1.0-1.2mm
0.9-1.0U30/22	Drive Roll U Groove 0.9-1.0mm
0.9-1.2U30/22	Drive Roll U Groove 0.9-1.2mm
1.0-1.2U30/22	Drive Roll U Groove 1.0-1.2mm

ROLLER DIAMETER: 35/25



V Groove Drive Roller - Steel Wire

Part Number	Description
0.6-0.8V35/25	Drive Roll V Groove 0.6-0.8mm MIG200/250
0.8-0.9V35/25	Drive Roll V Groove 0.8-0.9mm MIG200/250
0.9-1.0V35/25	Drive Roll V Groove 0.9-1.0mm MIG200/250
1.0-1.2V35/25	Drive Roll V Groove 1.0-1.2mm MIG200/250
1.2-1.6V35/25	Drive Roll V Groove 1.2-1.6mm MIG200/250

U Groove Drive Roller - Soft Wire

Part Number	Description
1.0-1.2U35/25	Drive Roll U Groove 1.0-1.2mm MIG200/250
1.2-1.6U35/25	Drive Roll U Groove 1.2-1.6mm MIG200/250

Knurled Drive Roller - Flux Core Wire

Part Number	Description
0.8-0.9F35/25	Drive Roll Knurled 0.8-0.9mm MIG200/250
0.9-1.0F35/25	Drive Roll Knurled 0.9-1.0mm MIG200/250
1.0-1.2F35/25	Drive Roll Knurled 1.0-1.2mm MIG200/250
1.2-1.6F35/25	Drive Roll Knurled 1.2-1.6mm MIG200/250

WIRE FEED DRIVE ROLLERS

To Suit UNIMIG & RAZORWELD MIG Welders



DRIVE ROLLERS

ROLLER DIAMETER: 37/10



V Groove Drive Roller - Steel Wire

Part Number	Description
0.8-1.0V37/10	Drive Roll V Groove 0.8-1.0mm
0.9-1.0V37/10	Drive Roll V Groove 0.9-1.0mm
0.9-1.2V37/10	Drive Roll V Groove 0.9-1.2mm

U Groove Drive Roller - Soft Wire

Part Number	Description
0.8-1.0U37/10	Drive Roll U Groove 0.8-1.0mm
0.9-1.0U37/10	Drive Roll U Groove 0.9-1.0mm

Knurled Drive Roller - Flux Core Wire

Part Number	Description
0.9-1.2F37/10	Drive Roll Knurled 0.9-1.2mm

ROLLER DIAMETER: 37/19



V Groove Drive Roller - Steel Wire

Part Number	Description
0.8-1.0V37/19	Drive Roll V Groove 0.8-1.0mm
0.9-1.0V37/19	Drive Roll V Groove 0.9-1.0mm
0.9-1.2V37/19	Drive Roll V Groove 0.9-1.2mm

U Groove Drive Roller - Soft Wire

Part Number	Description
0.8-1.0U37/19	Drive Roll U Groove 0.8-1.0mm
0.9-1.0U37/19	Drive Roll U Groove 0.9-1.0mm
0.9-1.2U37/19	Drive Roll U Groove 0.9-1.2mm

Knurled Drive Roller - Flux Core Wire

Part Number	Description
0.9-1.2F37/19	Drive Roll Knurled 0.9-1.2mm

ROLLER DIAMETER: 40/10



V Groove Drive Roller - Steel Wire

Part Number	Description
0.8-1.0V40/10	Drive Roll V Groove 0.8-1.0mm
0.9-1.0V40/10	Drive Roll V Groove 0.9-1.0mm
0.9-1.2V40/10	Drive Roll V Groove 0.9-1.2mm

U Groove Drive Roller - Soft Wire

Part Number	Description
0.8-1.0U40/10	Drive Roll U Groove 0.8-1.0mm
0.9-1.0U40/10	Drive Roll U Groove 0.9-1.0mm
0.9-1.2U40/10	Drive Roll U Groove 0.9-1.2mm

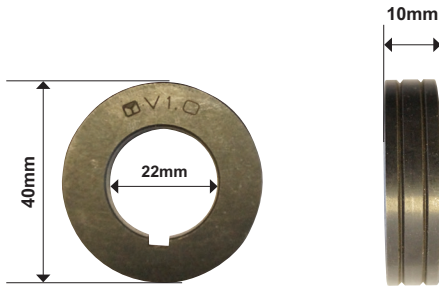
WIRE FEED DRIVE ROLLERS

To Suit UNIMIG & RAZORWELD MIG Welders



DRIVE ROLLERS

ROLLER DIAMETER: 40/22



V Groove Drive Roller - Steel Wire

Part Number	Description
0.8-1.0V40/22	Drive Roll V Groove 0.8-1.0mm
0.9-1.0V40/22	Drive Roll V Groove 0.9-1.0mm
0.9-1.2V40/22	Drive Roll V Groove 0.9-1.2mm

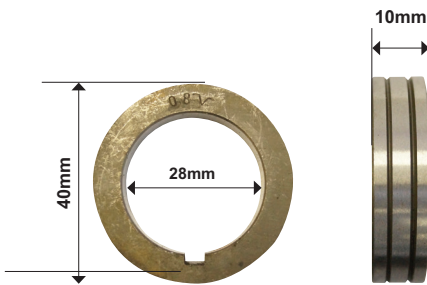
U Groove Drive Roller - Soft Wire

Part Number	Description
0.0-1.0U40/22	Drive Roll U Groove 0.8-1.0mm
0.9-1.0U40/22	Drive Roll U Groove 0.9-1.0mm
0.9-1.2U40/22	Drive Roll U Groove 0.9-1.2mm

Knurled Drive Roller - Flux Core Wire

Part Number	Description
0.8-1.0F40/22	Drive Roll Knurled 0.8-1.0mm
0.9-1.0F40/22	Drive Roll Knurled 0.9-1.0mm
0.9-1.2F40/22	Drive Roll Knurled 0.9-1.2mm

ROLLER DIAMETER: 40/28



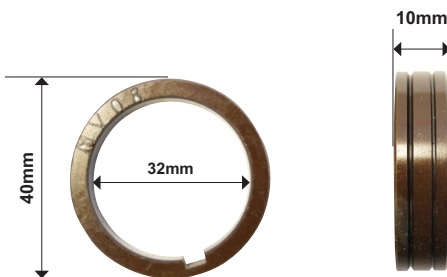
V Groove Drive Roller - Steel Wire

Part Number	Description
0.8-1.0V40/28	Drive Roll V Groove 0.8-1.0mm
0.9-1.0V40/28	Drive Roll V Groove 0.9-1.0mm
0.9-1.2V40/28	Drive Roll V Groove 0.9-1.2mm

U Groove Drive Roller - Soft Wire

Part Number	Description
0.8-1.0U40/28	Drive Roll U Groove 0.8-1.0mm
0.9-1.0U40/28	Drive Roll U Groove 0.9-1.0mm
0.9-1.2U40/28	Drive Roll U Groove 0.9-1.2mm

ROLLER DIAMETER: 40/32



V Groove Drive Roller - Steel Wire

Part Number	Description
0.8-1.0V40/32	Drive Roll V Groove 0.8-1.0mm
0.9-1.0V40/32	Drive Roll V Groove 0.9-1.0mm
0.9-1.2V40/32	Drive Roll V Groove 0.9-1.2mm

U Groove Drive Roller - Soft Wire

Part Number	Description
0.9-1.0U40/32	Drive Roll U Groove 0.9-1.0mm
0.9-1.2U40/32	Drive Roll U Groove 0.9-1.2mm

Knurled Drive Roller - Flux Core Wire

Part Number	Description
0.9-1.2F40/32	Drive Roll Knurled 0.9-1.2mm



EH 528 HARD FACING ELECTRODE

- Heavy Abrasion Moderate Impact
- Non Machinable, Grind Only
- Chrome, Niobium Carbide Matrix
- Easy Strike and Restrike
- Relief Checks in Final Deposit
- Metal Recovery 180%



A basic type heavy coated high recovery electrode for depositing primary and eutectic Cr and Nb carbides in austenitic matrix. Suitable for hardfacing of parts subjected to heavy abrasion with moderate impact. Service temperature is maximum 450°C. The typical transverse cracks occurring in such a hard metal is not suitable for applications where impact and shock conditions prevail. Wear coefficient of one layer deposit is 0.5 % with Si O₂. The weld metal is machinable only by grinding. Metal recovery of 180%. Suitable to use in hardfacing of cement crushers, cement presses and brick conveyor screws, mixer blades, press screws in the oil industry, bucket lips and teeth in earth moving equipment. Possible to use with both DC and AC.

Hardness

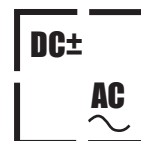
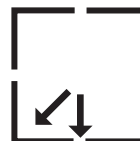
63HRc (1st pass) 62HRc (2nd pass) 64HRc (3rd pass)

Typical Weldmetal Analysis

C 7.0% Cr 24% Nb 7.0% Fe Balance

EH 528 Hard Facing Electrode

Part-No	Description	Pkt Weight
EH528-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
EH528-4.0MM-5KG	MAGMAWELD 4.0mm	5KG



EH 531 HARD FACING ELECTRODE

- Heavy Abrasion Moderate Impact
- Non Machinable, Grind Only
- Chrome Carbides in Stainless Matrix
- Easy Strike and Restrike
- Very Smooth Weld Deposit
- High Recovery 235%



Approvals

AWS/ASME SFA 5.13 E Fe Cr- A2 • DIN 8555 E 10 UM 65 GRZ

A heavy coated, high recovery (235%) hardfacing electrode depositing evenly distributed Cr, B carbides in austenitic stainless steel matrix. Suitable for hardfacing of parts subjected to heavy abrasion with moderate impact. Required hardness and abrasion resistance can be obtained in the first layer even on low alloy steels. The hardfacing layers have a very smooth surface and machinable only by grinding. Suitable to use in excavator teeth, leading edges of excavator buckets, mixer blades, gravel pumps, conveyor worm-screws and conveyor belts. Possible to use with both DC and AC.

Hardness

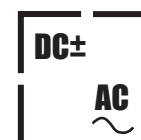
65HRc (1st pass)

Typical Weldmetal Analysis

C 4.2% Si 1.3% Mn 0.3% Cr 24% Nb 7.0% B 1.2% Fe Rest

EH 531 Hard Facing Electrode

Part-No	Description	Pkt Weight
EH-531-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
EH-531-4.0MM-5KG	MAGMAWELD 4.0mm	5KG
EH-531-5.0MM-5KG	MAGMAWELD 5.0mm	5KG





EI 308L STAINLESS ELECTRODE

- Soft Start and Restrike
- Stable Arc
- Minimal Spatter
- Easy to Control Weld Deposition
- Easy Slag Removal
- Fine Ripple Read Appearance
- International Approvals
- All Positions



Classification

AWS/ASME SFA 5.4 E308L-16 • AS/NZ 4854 • EN1600 E 19 9 LR 12 • DIN 8556 E19 9 LR 26

An electrode for welding austenitic stainless Cr-Ni steels or cast steels having an extra low carbon content as well as stainless or heat resisting chromium steels or cast steels. Suitable for welding stainless tanks, valves, pipes and linings in chemical and food industries. For operating temperatures of up to +350°C, non-scaling up to +800°C. Easy arc striking and restriking. Fine metal droplet transfer, good fusion of joint faces, finely rippled bead surface, easily removable slag.

Typical Mechanical Properties of Weld metal

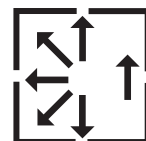
Tensile Strength	Elongation	Impact Energy ISO - V (J)
600N/mm ²	38%	70+20°C

Typical Weldmetal Analysis

C 0.08% Si 0.3% Mn 0.5% Cr19% Ni10%

EI 308L Stainless Steel Electrode

Part-No	Description	Pkt Weight
EI308L-2.5MM-1.75KG	MAGMAWELD 2.5mm	1.75KG
EI308L-3.2MM-1.75KG	MAGMAWELD 3.2mm	1.75KG



EIS 309Mo STAINLESS ELECTRODES

- Soft Start and Restrike
- Stable Arc
- Minimal Spatter
- Easy to Control Weld Deposition
- Easy Slag Removal
- Fine Ripple Bead Appearance
- International Approvals



Classification

AWS/ASME SFA 5.4 E309Mo-16 • AS/NZ 4854 • DIN 8556 E19 9 LR 26 • TS 2716 E 23 13 2 MPR 160 36

An electrode for welding austenitic stainless Cr-Ni steels or cast steels having an extra low carbon content as well as stainless or heat resisting chromium steels or cast steels. Suitable for welding stainless tanks, valves, pipes and linings in chemical and food industries. For operating temperatures of up to +350°C, non-scaling up to +800°C. Easy arc striking and restriking. Fine metal droplet transfer, good fusion of joint faces, finely rippled bead surface, easily removable slag.

Typical Mechanical Properties of Weld metal

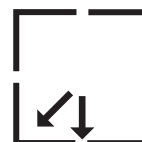
Tensile Strength	Elongation	Impact Energy ISO - V (J)
600N/mm ²	38%	70+20°C

Typical Weldmetal Analysis

C 0.04% Si 0.8% Mn 1.0% Cr 22% Ni 12% Mo 2.8%

EIS 309Mo Stainless Steel Electrode

Part-No	Description	Pkt Weight
EIS309Mo-2.5MM-2KG	MAGMAWELD 2.5mm	2KG
EIS309Mo-3.2MM-2KG	MAGMAWELD 3.2mm	2KG





EI 316L STAINLESS ELECTRODE

- Soft Start and Restrike
- Stable Arc
- Minimal Spatter
- Easy to Control Weld Deposition
- Easy Slag Removal
- Fine Ripple Bead Appearance
- International Approvals
- All Positions



Classification

AWS/ASME SFA 5.4 E316L-16 • AS/NZ 4854 • EN1600 E 1912 3 LR 32 • DIN 8556 E1912 3 LR26 • TS2716 E 1912 3 LR26

An electrode for welding austenitic stainless Cr-Ni-Mo steels or cast steels having an extra low carbon content. For operating temperatures of up to +400°C. Especially suitable for welding of stainless steel chemical tanks and pipes in chemical, textile, paint and paper industries. Possible to use equally well both with AC and DC. Easy arc striking and restriking. Fine metal droplet transfer, good fusion of joint faces, finely rippled bead surface, easily removable slag.

Typical Mechanical Properties of Weld metal

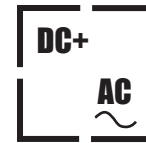
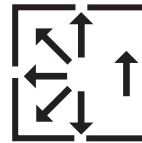
Tensile Strength	Elongation	Impact Energy ISO - V (J)
560N/mm ²	37%	70+20°C

Typical Weldmetal Analysis

C 0.04% Si 0.70% Mn: 0.80% Cr 19% Ni 12.0% Mo 2.6%

EI 308L Stainless Steel Electrode

Part-No	Description	Pkt Weight
EI316L-2.5MM-1.75KG	MAGMAWELD 2.5mm	1.75KG
EI316L-3.2MM-2KG	MAGMAWELD 3.2mm	2KG
EI316L-3.2MM-1.75KG	MAGMAWELD 3.2mm	1.75KG



EI 312 STAINLESS ELECTRODE

- Dissimilar Problem Steel Welding
- Stable Arc
- Minimal Spatter
- Easy to Control Weld Deposition
- Easy Slag Removal
- Fine Ripple Bead Appearance
- International Approvals
- All Positions



Classification

AWS/ASME SFA 5.4 E312-16 • EN1600 E 29 9 R 12 • DIN 8556 E29 9 R26 • TS2716 E29 9 R26

An electrode for joining dissimilar steels and depositing claddings on ferritic steels. The ferritic-austenitic Cr-Ni weld metal contains approximately 50% of delta-ferrite and is non-scaling up to +1100°C. High resistance to cracking and is suited for joining difficult to weld steels and depositing buffer layers on crack sensitive base metals. Easy arc striking and restriking. Fine metal droplet transfer, good fusion of joint faces, finely rippled bead surface and easy slag removal.

Typical Mechanical Properties of Weld metal

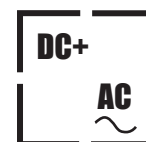
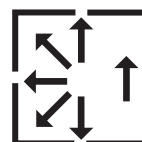
Tensile Strength	Elongation	Impact Energy ISO - V (J)
810N/mm ²	24%	50 +20°C

Typical Weldmetal Analysis

C 0.10% Si 0.90% Mn: 0.10% Cr 29% Ni 10.0%

EI 312 Stainless Steel Electrode

Part-No	Description	Pkt Weight
EI 312-2.5MM-1.75KG	MAGMAWELD 2.5mm	1.75KG
EI 312-3.2MM-1.75KG	MAGMAWELD 3.2mm	1.75KG
EI 312-4.0MM-2KG	MAGMAWELD 4.0mm	2.KG





ENI 402 Ni CAST IRON ELECTRODE

- All Position
- Easy Strike and Restrike
- Welds Cast Iron to Dissimilar Metals
- Smooth Arc
- Good Weld Finish
- International Approvals
- 98% Nickel

Classification

AWS/ASME SFA 5.15 E Ni-CI • TS 9463 E Ni-BG21 • DIN 8573 E Ni-BG21

An electrode having a pure nickel core wire for welding cast iron with or without low preheating (max. +300°C). For repair welding of cracked cast iron parts or joining components made of steel, copper or nickel materials to castings. Electrode suited to welding cast iron with lamellar graphite, white and black heart malleable and nodular cast iron. Weld short beads, about 30 to 50 mm long. In order to reduce weld residual stresses, hammer-peen welds slightly before cooling. Weld metal is machinable. Preferably used with DCEP but possible to use also with AC.

Mechanical Properties of Weld metal

Heat Treatment Elongation
AW/KS ~ 160 HB

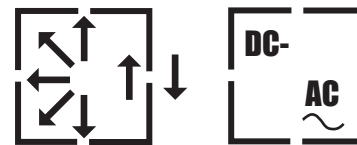
Typical Weldmetal Analysis

Ni: 98% other: 2%



ENI 402 Ni Cast Iron Electrode

Part-No	Description	Pkt Weight
ENI-402-2.5MM-1.75KG	MAGMAWELD 2.5mm	2.5KG
ENI-402-3.2MM-1.75KG	MAGMAWELD 3.2mm	2.5KG
ENI-402-4.0MM-2.25KG	MAGMAWELD 4.0mm	2.5KG



ENI 416 NiFe CAST IRON ELECTRODE

- All Position
- High Strength
- Cast Iron & Cast Iron to Dissimilar Metals
- Easy Strike and Restrike
- Good Weld Finish
- International Approvals
- 55% Nickel

Classification

AWS/ASME SFA 5.15 E NiFe-CI • TS 9463 E NiFe-G23 • DIN 8573 E NiFe-G23

An electrode having a nickel-iron core for welding cast iron with or without preheating. The weld metal features a low coefficient of thermal expansion and as a result, little shrinkage. It has higher strength properties than pure nickel weld metal and is therefore preferable used for welding nodular cast iron, white and black heart malleable cast iron, as well as austenitic nodular cast iron or joining these metals to components made of steel, copper or nickel materials. Easy arc striking and restriking, stable arc and smooth bead. Weld metal is machinable. Weld short beads about 30-50mm long.

Mechanical Properties of Weld metal

Heat Treatment Elongation
AW/KS ~ 210 HB

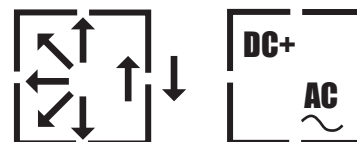
Typical Weldmetal Analysis

C 1.0% Mn 0.40% Si 0.60% Fe 43% Ni 55%



ENI 416 NiFe Cast Iron Electrode

Part-No	Description	Pkt Weight
ENI-416-2.5MM-1.75KG	MAGMAWELD 2.5mm	2.5KG
ENI-416-3.2MM-1.75KG	MAGMAWELD 3.2mm	2.5KG





ESB44 E7016 DUAL COATED LOW HYDROGEN ELECTRODE

- All Position
- Easy Restrike
- Stable Arc
- Minimal Spatter
- Easy to Control Weld Deposition
- Easy Slag Removal
- Good Weld Bead Appearance
- International Approvals



Classification

AWS/ASME SFA 5.1 E7016 H8 • AS/NZ 4855 2007 • EN499 E 38 2 B 12 H 10 • DIN 1913 E 51 43 B (R) 10

A multi-purpose electrode suitable for structural steelwork, workshop and maintenance welding. Smooth and clean welds blending into base metal without undercuts. Excellent gap-bridging properties. The dual covering of this electrode produces a stable, concentrated and directed arc, thus being ideally suited for root pass and positional welding. Welds are of X-ray quality.

Typical Mechanical Properties of Weld metal

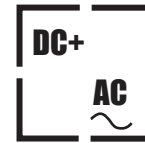
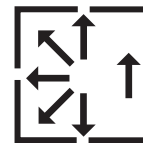
Yield Stress	Tensile Strength	Elongation	Impact Energy ISO - V (J)
460N/mm ²	530N/mm ²	29%	70@-20°C - 60@-30°C

Typical Weldmetal Analysis

C: 0.08% Si: 0.3% Mn: 0.5%

ESB44 Low Hydrogen Electrodes

Part-No	Description	Pkt Weight
ESB44-7016-2.5MM-5KG	MAGMAWELD 2.5mm	5KG
ESB44-7016-3.2MM-2.5KG	MAGMAWELD 3.2mm	2.5KG
ESB44-7016-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
ESB44-7016-4.0MM-6.5KG	MAGMAWELD 4.0mm	6.5KG



ESB 48 E7018 BASIC LOW HYDROGEN ELECTRODE

- All Position
- Stable Arc
- Minimal Spatter
- Easy to Control Weld Deposition
- Easy Slag Removal
- Good Weld Bead Appearance
- International Approvals



Classification

AWS/ASME SFA - 5.1 E 7018 - H8 • EN ISO 2560 - A E 38 2 B 12 H10 • TS EN ISO 2560 - A E 42 3 B 42 H10
DIN 1913 E 51 54 B 10 • TS 563 E 51 54 B 10 (H)

Suitable for welding fabrication of dynamically loaded steel constructions, bridge, shipbuilding, pipe-line, pressure vessels, tanks, boiler and machines where high toughness is required. Weld metal recovery is approx. 115 %. Smooth and clean welds merging into base metal without undercuts. Good gap bridging properties. Welds are of X-ray quality. It is suited for depositing buffer layers on higher carbon steels.

Typical Mechanical Properties of Weld metal

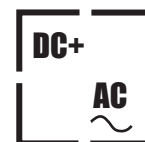
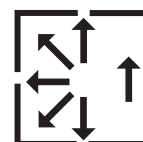
Yield Stress	Tensile Strength	Elongation	Impact Energy ISO - V (J)
500N/mm ²	570N/mm ²	26%	90@-30°C - 80@-40°C

Typical Weldmetal Analysis

C: 0.07% Si: 0.40% Mn: 1.00%

ESB48 Basic Low Hydrogen Electrodes

Part-No	Description	Pkt Weight
ESB-48-2.5MM-5KG	MAGMAWELD 2.5mm	5KG
ESB-48-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
ESB-48-4.0MM-6.5KG	MAGMAWELD 4.0mm	6.5KG





ESB52 E7018 LOW HYDROGEN ELECTRODE

- All Position
- Stable Arc
- Minimal Spatter
- Easy to Control Weld Deposition
- Easy Slag Removal
- Good Weld Bead Appearance
- International Approvals



Classification

AWS/ASME SFA 5.1 E7018-1 H4 • EN499 E 42 6 B 42 H 5 • DIN 8529 E SY 76Mn B

An electrode producing tough and crack-free welded joints and also suits welding steels with a carbon content of up to 0,6 %. The weld metal has a very low hydrogen content and is resistant to ageing. Electrode approved for rail joint welding and with very good gap-bridging properties. Owing to its double covering (up to 3.2 mm) this electrode features a stable and concentrated arc and is therefore well suited to positional welding. Suitable to use in welding of dynamically loaded machinery, steel construction, bridge, pipe and pipeline construction, tank, pressure vessel and shipbuilding. Welds are of X-ray quality.

Typical Mechanical Properties of Weld metal

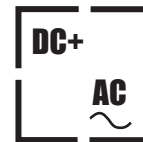
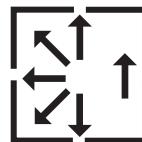
Yield Stress	Tensile Strength	Elongation	Impact Energy ISO - V (J)
520N/mm ²	590N/mm ²	29%	90@-46°C - 70@-60°C

Typical Weldmetal Analysis

C: 0.08% Si: 0.50% Mn: 1.2%

ESB52 Low Hydrogen Electrodes

Part-No	Description	Pkt Weight
ESB52-7018-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
ESB52-7018-4.0MM-6.5KG	MAGMAWELD 4.0mm	6.5KG





ESR-11 E6013 GENERAL PURPOSE ELECTRODE

- All Position
- Extremely Stable Arc
- Good Arc Starting and Restrike
- Self Releasing Slag
- Low Spatter Level
- Good Weld Bead Appearance
- International Approvals



Classification

AWS SFA A-5.1 E6013 • AWS/ASME SFA-5.1 E6013 • DIN 1913 E43 22 R(C)3

General-purpose electrode for structural steelwork, workshop and maintenance welding. Easily operated in positional welding, including vertically-down. Good gap-bridging and smooth arc, well suited for tack-welding due to it's easy arc striking and restriking properties. Welds are smooth, slightly concave and blending into base metal without undercutting. Suitable for welding on galvanized, primer painted and slightly rusted components.

Typical Mechanical Properties of Weld Metal

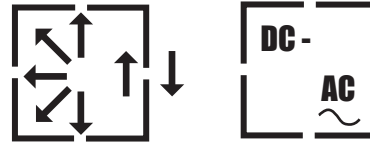
Yield Stress	Tensile Strength	Elongation	Impact Energy ISO - V (J)
480Nmm ²	530N/mm ²	27%	80@0°C

Typical Weldmetal Analysis

C: 0.08% Si: 0.3% Mn: 0.5%

ESR-11 GP Electrodes

Part-No	Description	Pkt Weight
ESR-11-2.5MM-2.5KG	MAGMAWELD 2.5mm	2.5KG
ESR-11-2.5MM-5KG	MAGMAWELD 2.5mm	5KG
ESR-11-3.2MM-2.5KG	MAGMAWELD 3.2mm	2.5KG
ESR-11-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
ESR-11-4.0MM-6.5KG	MAGMAWELD 4.0mm	6.5KG



ESC60 E6010 CELLULOSIC ELECTRODE

- All Position
- Deep Penetration
- Easy to Control
- Good Weld Finish
- International Approvals



Classification

AWS/ASME SFA 5.1 E6010 • EN499 E 35 2 C 21 • DIN 1913

A medium coated cellulosic type electrode for welding. Due to it's high penetration it is suitable for root pass and build up passes in the vertical down direction. For use in shipbuilding, storage vessels, boilers, pipeline constructions and assembly works. DCEN (-) is recommended for root passes

Typical Mechanical Properties of Weld metal

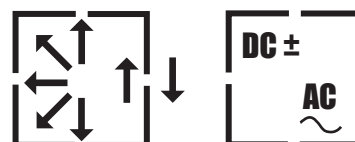
Yield Stress	Tensile Strength	Elongation	Impact Values
470N/mm ²	530N/mm ²	28%	60J@-20°C - 50J@-30°C

Typical Weldmetal Analysis

C: 0.10% Si: 0.20% Mn: 0.50%

ESC6010 Cellulosic Electrodes

Part-No	Description	Pkt Weight
ESC-60-2.5MM-5KG	MAGMAWELD 2.5mm	5KG
ESC-60-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
ESC-60-4.0MM-5KG	MAGMAWELD 4.0mm	5KG
ESC-60-5.0MM-5KG	MAGMAWELD 5.0mm	5KG





ESR 14 7014 GENERAL PURPOSE RUTILE ELECTRODE FOR SHEET STEELS

- Heavy Abrasion Moderate Impact
- Non Machinable, Grind Only
- Chrome, Niobium Carbide Matrix
- Easy Strike and Restrike
- Relief Checks in Final Deposit
- Metal Recovery 180%



Preferably used in mild steel fabrication, sheet metal and ornamental iron works on poor fitup joints. Due to its iron powder addition in covering, particularly suited for the welding of horizontal fillets grooves with higher speed. Suitable for all position welding except vertical-down. High current carrying capacity, low spatter. Quite, stable arc characteristics with fine and fast droplet metal transfer. Very easy arc striking and re-striking. Very smooth welds blending into base metal without undercuts. Slag is completely self-releasing. Possible to use equally well both with AC and DC.

Hardness

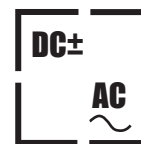
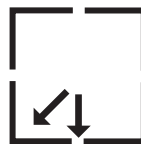
63HRc (1st pass) 62HRc (2nd pass) 64HRc (3rd pass)

Typical Weldmetal Analysis

C 7.0% Cr 24% Nb 7.0% Fe Balance

ESR 14 7014 General Purpose Electrode

Part-No	Description	Pkt Weight
ESR-14-2.5MM-5KG	MAGMAWELD 2.5mm	5KG
ESR-14-3.2MM-5KG	MAGMAWELD 3.2mm	5KG
ESR-14-4.0MM-6.5KG	MAGMAWELD 4.0mm	6.5KG
ESR-14-5.0MM-6.5KG	MAGMAWELD 5.0mm	6.5KG



ESH180R E7024 IRON POWDER ELECTRODE

- High Deposition
- Easy Strike and Restrike
- Smooth Stable Arc
- Minimal Spatter
- High Weld Deposition
- Self Releasing Slag
- International Approvals



Classification

AWS/ASME SFA 5.1 E7024 • EN499 E 38 A RR 73 • DIN 1913 E 51 11 RR 11 180

A heavy coated, rutile type high-efficiency electrode having a weld metal recovery of approximately 180 %. It is suited to producing long fillet welds and economically filling-up large weld sections. The core wire diameters, deviating from standard diameter, are so calculated as to produce definite throat thickness (a=3 to 6 mm). Relatively low current intensities and short burn-off times. ESH180R exhibits good welding properties.

Typical Mechanical Properties of Weld metal

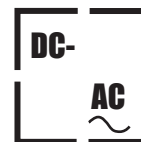
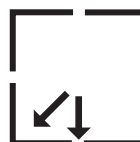
Yield Stress	Tensile Strength	Elongation	Impact Energy ISO - V (J)
>380N/mm ²	510-610N/mm ²	>24%	50@+20°C

Typical Weldmetal Analysis

C: 0.10% Si: 0.40% Mn: 0.90%

ESH180R E7024 IRON POWDER ELECTRODE

Part-No	Description	Pkt Weight
ESH180R-2.5MM-5KG	MAGMAWELD 2.5mm	5KG
ESH180R-3.2MM-6.5KG	MAGMAWELD 3.2mm	6.5KG
ESH180R-4.0MM-6.5KG	MAGMAWELD 4.0mm	6.5KG



XA-E71TGS GASLESS MIG WIRE

- No Shielding Gas Needed
- Single Pass Welding of Thin Gauge Galvanized Steel
- Excellent for Outdoor Use
- Smooth Arc – Minimal Spatter
- DC- Straight Polarity
- Works Well in Windy Conditions



UNIMIG E71T-GS is an all-position, self-shielded flux-cored wire designed for single pass fillet and lap welding on galvanized or carbon steel as thin as 20 gauge, without burn-through. Gasless wire E71T-GS is commonly used on small portable 240 Volt MIG welding machines, offering smooth arc action with very little spatter. Travel speed is fast, penetration is good and slag removal is easy UNIMIG E71T-GS is most popular for the home workshop welder because it works so well on 240 Volt machines and can be used on thin gauge steel.

UNIMIG E71TGS Gasless MIG Wire

Classification

AWS A 5.20 : ASME SFA 5.20

Part-No	Description	Spool Weight
XA-E71TGS-08-1	0.8mm UNIMIG E71T-GS Gasless Wire	1kg
XA-E71TGS-09-1	0.9mm UNIMIG E71T-GS Gasless Wire	1kg
XA-E71TGS-08-5	0.8mm UNIMIG E71T-GS Gasless Wire	5kg
XA-E71TGS-09-5	0.9mm UNIMIG E71T-GS Gasless Wire	5kg



XA-E71T11 GASLESS MIG WIRE

- No Shielding Gas Needed
- Limited Multiple-Pass or Single-Pass Welding on Mild Steel
- Excellent for Outdoor Use, Works Well In Windy Conditions
- Smooth Arc, Minimal Spatter
- Works on CC Power Sources and Voltage Sensing Wire Feeders
- DC- Straight Polarity

UNIMIG E71T-11 is a general purpose self-shielded flux-cored wire designed for all position, single-pass and limited multiple-pass lap, fillet and butt welds on mild or galvanized steel of less than 3/4" thickness. (Do not use on steel plates thicker than 3/4"). UNIMIG E71T-11 is easy to use because it requires no shielding gas. It has a very stable arc, low spatter and slag removal is easy.

UNIMIG E71T-11 is commonly used in the fabrication of structural beams on outdoor construction projects where adverse weather conditions hinder the flow of gas or where gas cylinders are not an option for logistical reasons. E71T-11 is also used in the fabrication of machinery parts, tanks, prefab construction and light structural framework.

UNIMIG E71T11 Gasless MIG Wire

Classification

AWS A 5.20 : ASME SFA 5.20

Part-No	Description	Weight
XA-E71T11-08-5	0.8mm UNIMIG E71T-11 Gasless Wire	5kg
XA-E71T11-09-5	0.9mm UNIMIG E71T-11 Gasless Wire	5kg

GP E6013 GENERAL PURPOSE ELECTRODE

- All Position
- Extremely Stable Arc
- Good Arc Starting and Restrike
- Self Releasing Slag
- Low Spatter Level
- Good Weld Bead Appearance
- International Approvals



Classification

AWS SFA A5.1 E6013 • AS/NZ1553.1:E4112-0

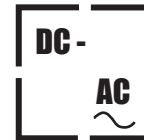
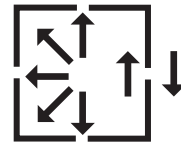
A true general-purpose welding electrode for both the beginner and experienced welders. The special coating makes this electrode unique in that it is almost impossible to “STICK” the electrode to the work. A strong smooth weld with very little spatter and self releasing slag is produced. Weld bead appearance is excellent and the molten pool is controlled with ease in all positions. The special coating allows easy welding of galvanised steels, dirty, rusty and scaly steels.

Typical Mechanical Properties of Weld Metal

Yield Stress	Tensile Strength	Elongation	Impact Values
460Nmm ²	490N/mm ²	25%	65J@0°C

XA GP Electrodes

Part-No	Description	Pkt Weight
XA6013-2.6-2.5	XCEL-ARC 2.6MM	2.5KG
XA6013-3.2-2.5	XCEL-ARC 3.2MM	2.5KG
XA6013-3.2-5	XCEL-ARC 3.2MM	5KG
XA6013-4.0-5	XCEL-ARC 4.0MM	5KG



Important information Please read before use

THESE WELDING GOGGLES ARE DESIGNED FOR USE BY PERSONS WITH A FULL UNDERSTANDING OF THE HAZARDS AND SAFETY RISKS WITH WELDING

UNIMIG GL-WH11-1015A auto-darkening welding goggles are a high-tech product manufactured with spectral filtering technology, photoelectric sensors and control unit technology. The photoelectric sensor makes liquid crystal change from bright state to dark state as soon as it receives arc light and changes from dark to bright state when welding is finished to protect the eyes of users from arc light, splash and harmful radiations of IR/UV

Parts included in this package include the following:

- Welding shell with auto-darkening lens
- Elastic Headband assembly
- Outer protection lens
- Bump Cap
- Fire Retardant Hood
- Instructions

ASSEMBLY INSTRUCTIONS

1. Install elastic headband by putting the plastic buckle at the headband ends into the remaining clips on both sides of the goggles. The elastic headband can be fastened or loosened by adjusting the buckle in the middle of headband. Clip face shield to goggles

WARNING!

- * Welding goggles do not provide unlimited eye, ear and face protection. If you are uncertain do not use this product as misuse may result in serious injury. These goggles provide protection against the hazards of welding but are not designed or intended to be used without other appropriate personal protective equipment (PPE) additional PPE is required for all other areas of exposed skin such as face and neck.
- * Neither the auto darkening goggles or the fire retardant hood are designed to be used when welding overhead as the spatter and sparks can burn the fire retardant fabric, bump cap and goggles and can cause serious injury to the user.
- * Neither the auto darkening goggles or the fire retardant hood are designed to withstand molten metal when welding, the molten metal will burn the fire retardant fabric, bump cap and goggles and can cause serious injury to the user.
- * These auto-darkening goggles are not suitable for laser welding.
- * Do not use these welding goggles whilst working with or around explosive or corrosive liquids.
- * Never place these goggles and auto-darkening filter on a hot surface
- * Inspect the auto-lens frequently. Immediately replace any scratched, cracked, or pitted cover lenses or auto-lenses.

REPLACING THE PROTECTION LENSES

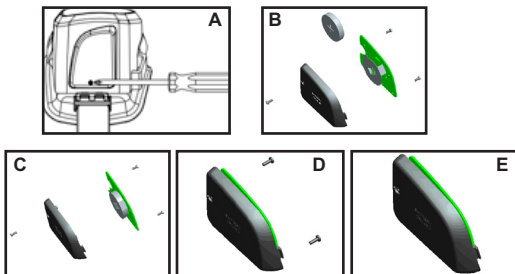
1. Ensure that the goggle is always fitted with an outer protection lens.
2. Outer protection lenses must be replaced if broken, damaged or covered with welding spatter to the extent that vision is impaired.
3. Outer protection lenses are consumables and must be replaced regularly with genuine certified spare parts.
4. Replace outer lens: Remove used outer lens by peeling from the gap in the top middle of lens. Install the lens by gently bowing it in the center and inserting it, one end at a time, into the retaining clips located on the outside of the goggle



BATTERY REPLACEMENT

When the Low Battery indicator is lit up with red, please change battery at once and please pay attention to positive and negative terminals and replace battery according to following operations:

1. Unscrew the battery cover on the right side and removed used battery
2. Replace battery, then screw on the battery cover.



BEFORE WELDING

1. Please check whether outer protection lens fitted correctly and in good order.
2. Please make sure that there is enough power in the battery if the Low battery indicator is red, change battery before use.
3. Please check that ADF filter darkens normally.
4. Please check that outer protection lens is not damaged

- or blocked by dust or particles, pay attention to whether arc sensor are blocked or covered by any dust and particles.
5. Please check all operating parts to see whether they are worn out or damaged. Any scratched or broken parts should be replaced immediately to avoid injury too welder's eyes.
6. Please insure goggles are sealing against light before use.
7. Before using these welding goggles for the first time, the protective film that covers the protection lenses must be removed from both sides of the lens.
8. Adjust the shade control knob clockwise to the desired welding shade before starting welding.

Caution:

Ensure grind mode is not selected before welding

9. Before welding, the window will be in light DIN 4 state and you can see the work piece. The lens will automatically darken when an arc is struck.

TEST THE LENS OPERATION BEFORE STRIKING AN ARC DO NOT USE IF LENS DOES NOT DARKEN.

The "Grind" LED will twinkle with green color when Grinding, "Low battery" LED will twinkle with red color when low battery. To use the Grind mode, turn the Shade knob clockwise to the far right position (Grind), and the grind light will keep flashing. To resume welding, return the control to the desired shade setting. **Note! Do not weld in the Grind mode; the lens will not darken.**



WHEN WELDING

1. Change dark shade between 5 and 9 or between 9 and 13 via selector switch as desired by using the variable adjustment knob. Refer to Shade Guide Table if necessary.
2. Adjust the Sensitivity and Delay Time as desired by using the variable adjustment knobs.

PRODUCT FEATURES

1. Powered by 1 x CR2450 lithium battery.
2. Setting adjustment knobs can adjust shade 5-9/9-13. Sensitivity and delay time, and grinding function is also selective.
3. Photoelectric sensors technology, liquid crystal of high quality and spectrum filter provide welders a clear view of observation and effective protection.
4. The speed of filter changing from light to dark is 0.3ms to ensure that eyes are protected from injury
5. Light and well-balanced design and adjustable headband provides comfortable fit and less fatigue for the operator.

GENERAL CARE AND MAINTENANCE

1. The filter lens should be cleaned when the outer cover lens is replaced.
 2. Wipe with clean dry cloth
 3. Apply ordinary disinfectant with a clean cloth or paper towel.
- DO NOT APPLY CLEANER DIRECTLY TO THE FILTER LENS. DO NOT USE ALCOHOL TO CLEAN.**
4. Replace parts with our genuine parts replacements only.

MAIN SPECIFICATIONS

Model	GL-WH11-1015A
Auto Filter Model	GL-1015A
Auto Filter Size	190(W) x 80(H) x 75(T) mm
Viewing Field	50 x 35mm x (L,R)
Shade Control Light States:	DIN 4
Shade Control Dark States:	DIN 5 – 9 / 9 – 13 Outside
Adjustable	
Switching Time	Light - Dark: 0.3 ms
Delay Time	Dark - Light: 0.1 – 0.8 sec
Sensitivity & Delay Time	Outside Adjustable
Power Supply	3V Lithium Battery (1 x CR2450, Replaceable)
Grinding Mode	Yes
Grind Mode & LED Indicator	Yes
Arc Sensors	3 Sensors
Operating Temperature	-5°C to + 55°C
Storing Temperature	-20°C to + 55°C
Helmet Material	PA
Total Weight	290g

TRUBLE SHOOTING

- Not ON – auto lens will not darken. Check battery and verify it is in good condition and installed properly. Check battery for proper contact and gently adjust contact points if necessary. Change cover lens if dirty or damaged. If auto lens still won't darken return to dealer for replacement. Do not continue to use goggles.
 - Not Switching – auto lens stays light and will not darken when welding. Stop welding immediately: Change the battery if Low Battery Light indicates. If power is on, review the sensitivity recommendations and adjust sensitivity. Clean lens cover and sensors of any obstructions. If auto lens still won't switch return to dealer for replacement. Do not continue to use goggles.
 - If goggles are flickering during use causes could be incorrect distance from arc and sensitivity too low
- Note!** Making sure the sensors are clean and facing the arc; angles of 45° or more will not allow the arc light to reach the sensors.
- Not switching – auto lens stays dark after the weld arc is extinguished, or the auto-lens stays dark when no arc is present. Fine-tune the sensitivity setting by making small adjustments to the control by turning it toward the 'Lo' setting. In extreme light conditions, it may be necessary to reduce the surrounding light levels. If auto lens still won't switch return to dealer for replacement. Do not continue to use goggles.
 - In case of any malfunction during test or using, please stop using goggles and contact your dealer for replacement.

CAUTIONS

1. The goggle is not suitable to laser welding
2. Do not put goggles near to heat or damp (extreme temperature hot or cold)
3. Do not open the goggles except changing battery or front cover lens as detailed in the manual
4. Please check whether welding/grinding is chosen correctly before use.
5. Protective lens must be installed on the outside of goggles. Otherwise, goggles will be damaged.
6. Do not alter or modify the goggles. Use only genuine UNIMIG replacement cover lens.
7. Please immediately stop using goggles and contact dealer if filter cannot become dark in welding.
8. Do not use solvents or strong chemicals such as alcohol, gasoline or diluents to clean goggle.
9. Do not put the goggles into water.
10. The reaction of goggles will be slower if ambient temperature is low but it will not affect protective functions.

11. Please replace the goggles immediately if they are broken or scratched because this damage will seriously reduce the protective performance.
 12. Please replace protective lens immediately if it is broken or scratched. Do not use hard objects to contact the glasses of the filter.
 13. Please clean the surface of goggle, and sensor regularly.
 14. Goggle bump cap cannot resist damage caused by a violent hit, explosion or corrosive liquid.
 15. Do not drop or expose goggles to excessive force or impact
 16. Clean with cloth dampened with glass cleaner or mild detergent.
 17. Store goggles in goggle bag when not in use,
 18. Do not wear the goggles when not actual welding or when walking around as this may result in accident or injury
- Notice: If the used does not follow the above cautions, it may result in serious injury.**

SPARE PARTS LISTING: UMAWG PART No.

1. UNIMIG Auto Filter. GL-1015A
2. UNIMIG Protective Shield UMGMASK
3. Elastic Headband UMGSTRAP
4. Outer protection lens UMGOP
5. Fire Retardant Hood UMGHOOD
6. Bump Cap UMGBUMP
7. Battery CR2450 UMABT
8. Battery Cover UMG1015A05
9. Battery cover screw UMGGM2-67TPA
10. PCB Battery screw UMG1015APCBB
11. Auto filter carry bag.

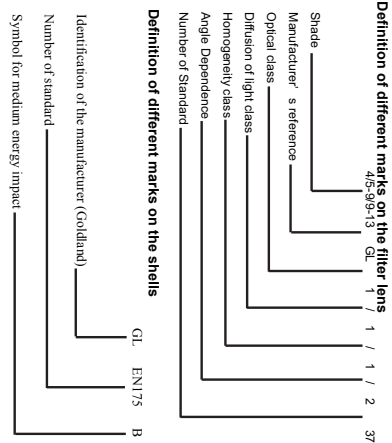
• An inner protection lens is not needed for these goggles.

2 Years WARRANTY

We offer a limited warranty for this product against any defects in material and workmanship for a period of two years. This warranty does not include any damages arising from misuse of this product or modification without authorization.

Imported by

Welding Guns Of Australia PTY LTD
112 Christina Rd Villawood NSW 2163
(02) 9780 4200
Made in China



SHADE GUIDE TABLE

(as per EN 169 and BS 379)

Welding Process	Arc Current (Amperes)																			
	10	20	30	40	60	80	100	125	160	175	200	225	260	275	300	360	400	450	500	600
SM/W			9		10		11		11		11		12		12		13		13	14
MIG(heavy)						10		11		11		12		12		13		13		14
MIG(light)						10		11		11		12		12		13		14		15
TIG, GTAW						9		10		11		12		13		14		14		15
MAGCO2						10		11		11		12		13		14		14		15
SAW						10		11		11		12		12		13		14		15
PAC						11		11		12		12		13		13		14		15
PAW						9		10		11		12		12		13		14		15

NOTE:

- SM/W -- Shielded Metal Arc Welding
- SAW -- Shielded Semi-Automatic Welding
- MIG(heavy) – MIG on heavy metals
- PAC – Plasma Arc Cutting
- MIG(light) – MIG on light alloys
- PAW – Plasma Arc Welding
- TIG, GTAW – Tungsten Arc Welding



UNIMIG

Auto Darkening Welding Goggles

MANUAL



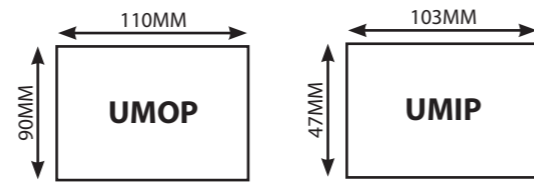
Tested and complies to standards:
DIN EN 379 : 2003 + A1 : 2009
AS/NZS 1338.1 : 2012
ANSI / ISEA Z87.1 - 2015
CSA Z94.3 - 15

UNIMIG
www.unimig.com.au

LENSE COVER & HARNESS

UMBWH / UMGWH / UMAFH-2 / UMAWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMOP - Outer Lens 110mm x 90mm
- UMIP - Inner Lens 103mm x 47mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band

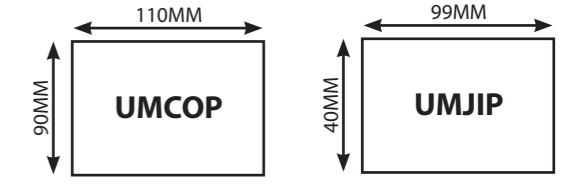


OLD STYLE



UMBJWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMCOP - Front Cover Lens 110x90mm
- UMJIP - Inside Cover Lens 99x40mm
- UMCHR - Harness (Head Band Assembly)
- UMCSB - Sweat Band

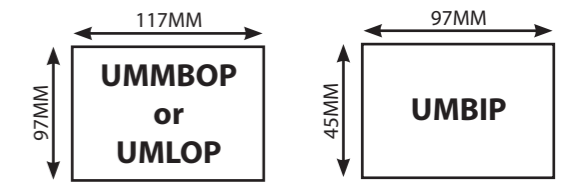


NEW STYLE



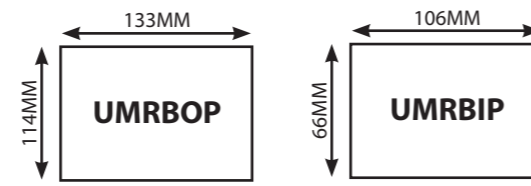
UMBJWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMMBOP or UMLOP - Front Cover Lens 117x97mm
- UMBIP - Inner Lens 97mm x 45mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band



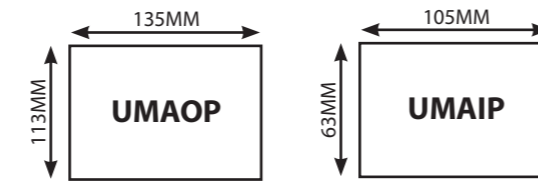
UMRBWH - WIDE VIEW UNIMIG Auto Darkening / Grinding Welding Helmet

- UMRBOP - Outer Lens 133mm x 114mm
- UMRBIP - Inner Lens 106mm x 66mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



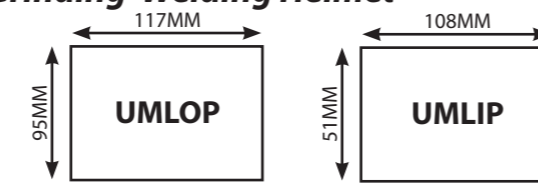
UMAFH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMAOP - Outer Lens 135mm x 113mm
- UMAIP - Inner Lens 105mm x 63mm
- UMAHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



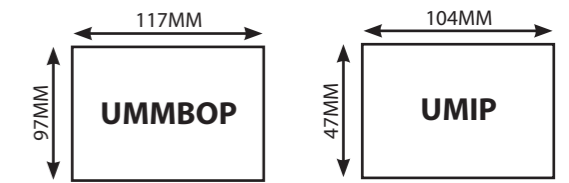
UMALH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMLOP - Outer Lens 117mm x 95mm
- UMLIP - Inner Lens 108mm x 51mm
- UMLPL - Inner Grinding Lens
- UMALHR - Head Band Assembly c/w Knobs & Sweat Bands)
- UMLBT - Battery



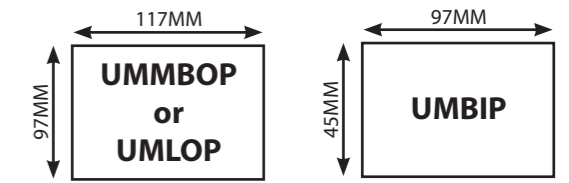
UMVWH- VIPER Auto Darkening / Grinding Welding Helmet

- UMMBOP - Front Cover Lens 117x97mm
- UMIP - Inner Lens 103mm x 47mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band



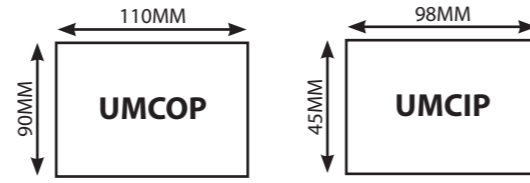
UMMBWH- UNIMIG Auto Darkening / Grinding Welding Helmet

- UMMBOP or UMLOP - Front Cover Lens 117x97mm
- UMBIP - Inner Lens 97mm x 45mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band



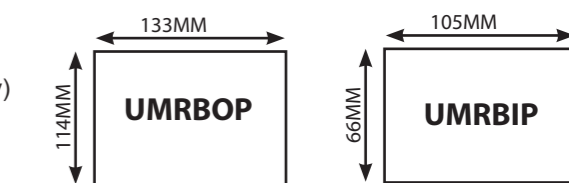
UMB4SWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMCOP - Front Cover Lens 110x90mm
- UMCIP - Inside Cover Lens 98x45mm
- UMCHR - Harness (Head Band Assembly)
- UMCSB - Sweat Band



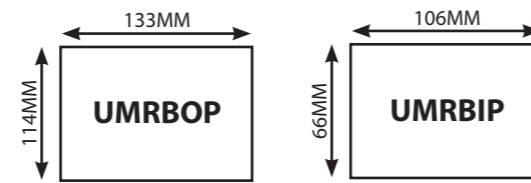
UMRWWH- UNIMIG WIDE VIEW Auto Darkening / Grinding Welding Helmet

- UMRBOP - Outer Lens 133mm x 114mm
- UMRBIP - Inner Lens 106mm x 66mm
- UMRWXHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



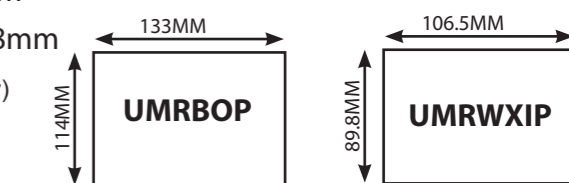
P1004 - POWERED AIR PURIFYING RESPIRATOR Auto Darkening / Grinding Welding Helmet

- UMRBOP - Outer Lens 133mm x 114mm
- UMRBIP - Inner Lens 106mm x 66mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMLBT - Battery



UMRWXWH- UNIMIG WIDE VIEW Auto Darkening / Grinding Welding Helmet

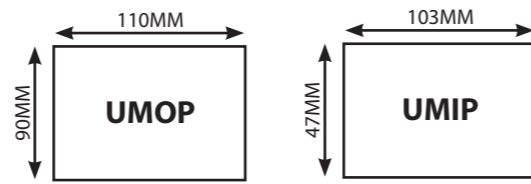
- UMRBOP - Outer Lens 133mm x 114mm
- UMRWXIP - Inner Lens 106.5mm x 89.8mm
- UMRWXHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



LENSE COVER & HARNESS

UMBWH / UMGWH / UMAFH-2 / UMAWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMOP - Outer Lens 110mm x 90mm
- UMIP - Inner Lens 103mm x 47mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band

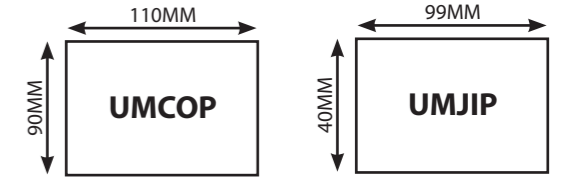


OLD STYLE



UMBJWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMCOP - Front Cover Lens 110x90mm
- UMJIP - Inside Cover Lens 99x40mm
- UMCHR - Harness (Head Band Assembly)
- UMCSB - Sweat Band

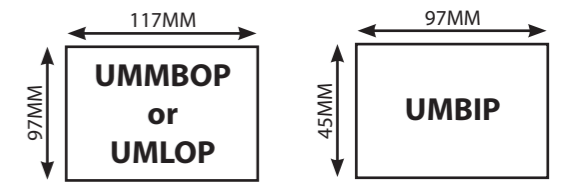


NEW STYLE



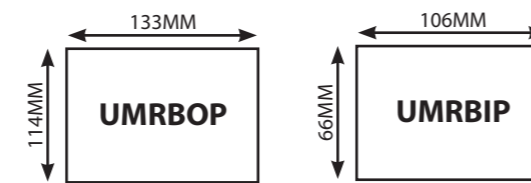
UMBJWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMMBOP or UMLOP - Front Cover Lens 117x97mm
- UMBIP - Inner Lens 97mm x 45mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band



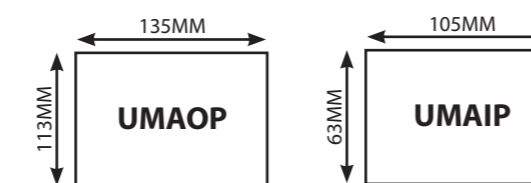
UMRBWH - WIDE VIEW UNIMIG Auto Darkening / Grinding Welding Helmet

- UMRBOP - Outer Lens 133mm x 114mm
- UMRBIP - Inner Lens 106mm x 66mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



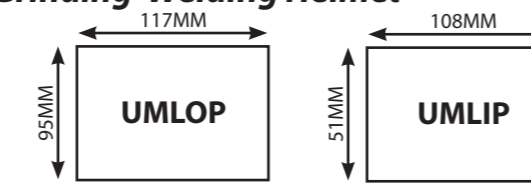
UMAFH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMAOP - Outer Lens 135mm x 113mm
- UMAIP - Inner Lens 105mm x 63mm
- UMAHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



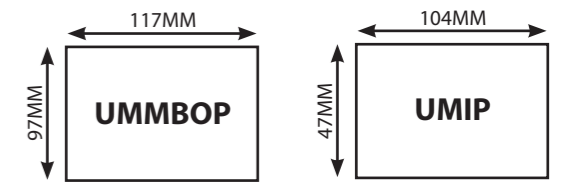
UMALH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMLOP - Outer Lens 117mm x 95mm
- UMLIP - Inner Lens 108mm x 51mm
- UMLPL - Inner Grinding Lens
- UMALHR - Head Band Assembly c/w Knobs & Sweat Bands)
- UMLBT - Battery



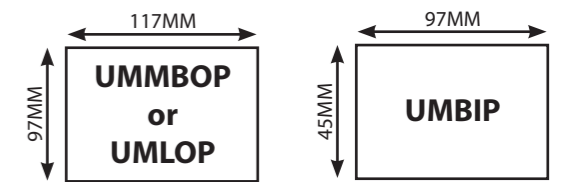
UMVWH- VIPER Auto Darkening / Grinding Welding Helmet

- UMMBOP - Front Cover Lens 117x97mm
- UMIP - Inner Lens 103mm x 47mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band



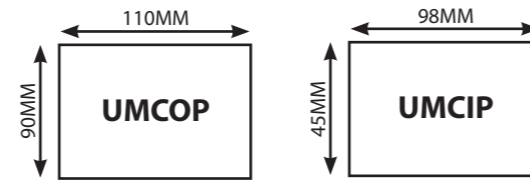
UMMBWH- UNIMIG Auto Darkening / Grinding Welding Helmet

- UMMBOP or UMLOP - Front Cover Lens 117x97mm
- UMBIP - Inner Lens 97mm x 45mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band



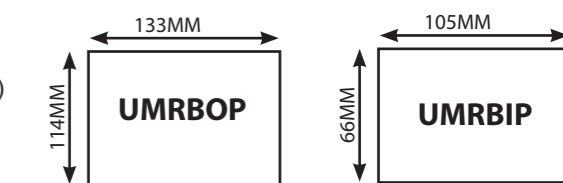
UMB4SWH - UNIMIG Auto Darkening / Grinding Welding Helmet

- UMCOP - Front Cover Lens 110x90mm
- UMCIP - Inside Cover Lens 98x45mm
- UMCHR - Harness (Head Band Assembly)
- UMCSB - Sweat Band



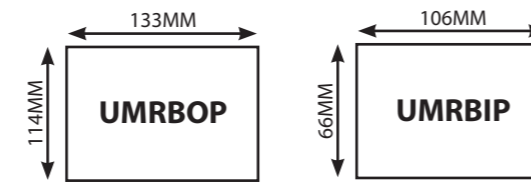
UMRWWH- UNIMIG WIDE VIEW Auto Darkening / Grinding Welding Helmet

- UMRBOP - Outer Lens 133mm x 114mm
- UMRBIP - Inner Lens 106mm x 66mm
- UMRWXHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



P1004 - POWERED AIR PURIFYING RESPIRATOR Auto Darkening / Grinding Welding Helmet

- UMRBOP - Outer Lens 133mm x 114mm
- UMRBIP - Inner Lens 106mm x 66mm
- UMHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMLBT - Battery



UMRWXWH- UNIMIG WIDE VIEW Auto Darkening / Grinding Welding Helmet

- UMRBOP - Outer Lens 133mm x 114mm
- UMRWXIP - Inner Lens 106.5mm x 89.8mm
- UMRWXHR - Harness (Head Band Assembly)
- UMSB - Sweat Band
- UMABT - Battery



AUTOMATIC WELDERS

HIT-8SS AUTOMATIC



Features

- Simple operation, light weight and small size, combine to make the HIT8SS a must have for the productivity conscious operator.
- Precise carriage movement with four wheel drive, ensures consistent weld quality and appearance.
- Magnetic base allows the carriage can be operated in all directions.
- Automatic operation, Welding machine and carriage operation can be wired for simultaneous operation, i.e press down the start button, welding starts automatically, and carriage starts automatically
- Carriage movement (Forward or Reverse) can be operated without operation of the welding machine.
- Increased productivity, One operator can operate numerous sets of carriages at the same time, minimizing operator fatigue and injury.
- Can be used in multiple welding applications
- Use for welding large diameter pipe, the minimum diameter that can be welded is 800 mm.
- Machine supplied with quality aluminium case for protection and easy transportation.



Technical Data

Input Voltage (V)	240V 1 Phase
Speed (mm/min)	0-900
Net Weight (Kgs)	8 Kgs
Power (W)	22
Attraction force (Kgs)	25 Kgs
Torch adjustment range	up/down, left/right 50 mm
Torch angle adjustment	360
Dimension (mm)	215 × 275 × 250mm

MACHINE PACKAGE: UMAWT

Standard Package includes: HIT-8SS carriage (with control box) , Safe DC 24V Power source (AC240V to DC24V), Input cord x 3 metre, Inter-connection cord x 20 metre, Triggering cable x 5 metre, Guiding wheel 2 pcs/set, Torch position adjuster, Torch holder



FUME EXTRACTION EQUIPMENT

Mobile Single Arm 415 Volts



The KSZ-1.5S is a mobile single arm 415 volt fume extraction unit capable of filtering an area of up to 10 square metres. The unit is fitted with a Programmable Logic Controller allowing customisation of specific operations of time/duration of operation. The (PLC) combined with pressure differentiation switch displays a red warning light indicating the filter must be cleaned or replaced. The unit is constructed from high quality sheet metal and is easily manoeuvrable due to its 4 heavy duty lockable caster wheels. The machine is suited for the purification of fumes and dust generated by welding and grinding. The suction arm is easily rotatable 360 degrees and can be put in place by easily pulling the handle on the hood to the desired work area. When in use the fumes and dust will be extracted into the hood and the first step is through the fire resistance net. This net intercepts and separates large particles and sparks caused by grinding and welding. The fume then enters the deflector which stops large sparks entering directly into the main filter. The final stage is when the fumes are passed through the third layer of the filter cartridge which optimises the fumes purification by up to 99.8 %. This filtering is critical because 98.9% of the contaminants generated are in the Nano particle range <400um and these alveolar particles can cause cancer. Our filters have been independently tested to ISO:EN779:2012 and can remove greater than 99.8% of these Nano particles. The filtering process is high enough to meet indoor emission standards; the filtered air is discharged through the air vent at the bottom of the fume extractor. The KSZ-1.5S is a compact unit which measures 700mm x 800mm x 1600mm and weighs 210kg. The standard arm length is 3m long with an optional arm of 2, 3 or 4 metres. Optional wall mounting brackets are available. The machine is self-cleaning with automatic reverse blowing the machine filter is cleaned more thoroughly.

Technical Data

Air Volume	3000 ± 100m ³ /h
Air Suction Arm	1500m ³ /h
Motor Power	1.5kW
Working Voltage	415V/50Hz 3 Phase
Filtering Area	10m ²
Cleaning Way	Automatic Reverse Blowing
Maximum Pressure	2800Pa
Compressed Air	0.5 - 0.6MPa
Filtration Efficiency	>99.8%
Noise Level	<72 ± 5dB(A)
Dimension	700 x 800 x 1600 mm
Weight	210 ± 5 Kg



Filter Cartridge
Part No: FILCART23



MACHINE PACKAGE: KSZ-1.5S

Standard option includes: Intelligent fume extractor, 1 x Suction arm, Air regulator.

AC/DC MULTIWAVE INVERTER WELDER

DIGITAL 500Amp AC/DC Inverter Welder

Welds: Aluminium, Magnesium, Zinc Alloys, Steels, Stainless, Cast Iron, Bronze,



TIG/MMA 500Amp AC/DC Inverter Welder Industrial Rated, Multi Wave Forms, Square / Pulse / MIX ARC / AC & DC Current Synergic and Manual Control TIG/PULSE MIG Functions

Features

- Latest AC/DC Welding Technology
- AC/DC TIG / MMA /MIG
- Simple to Use
- Manual or Synergic Operation
- Mix Arc AC
 - Deeper Penetration in AC
- Mix Arc DC
 - Bridge & Weld Gaps in DC without Filler Wire
- AC with Full Wave Formation Control
- Pulse TIG Synergic or Manual Adjustment
- HF or Lift Arc Ignition
- MIG/Pulse MIG/Synergic MIG Capable (by addition of optional Wire Feeder)
- Memory Set and Recall of Settings
- Full Function Trigger Control 2T/4T, 2S/4S, SPOT
- MMA
- Hot Start (improves electrode starting)
- Arc Force (stabilises the arc with difficult to use electrodes)
- Remote Amperage Control - Optional



Technical Data

Power Supply / Phases (V-Ph)	415V - 3 ±15%
Regulation field in MMA mode Amp	20 - 320
Regulation field in TIG DC mode Amp	5 - 500
Regulation field in TIG AC mode Amp	12 - 500
Regulation field in MIG-MAG Amp	10 - 400
Balance TIG AC mode %	10 - 90
Duty Cycle @ 40°C as per AS/NZ60974-1	40%@500Amps TIG
Rated secondary current A	500
Permanent sec. current	100% @ 320
Rated Power (MMA) KVA	21
Permanent power 100% (MMA) KVA	14,3
Frequency TIG AC mode Hz	20 - 200
No load voltage (S) (K) V	92
Max secondary current A	500
Short circuit limit A	550
MMA electrode possibility mm	6.0
Protection class	Ip 21-S
Insulation class	H
TIG ignition	HF or Lift Arc
Remote control	Analog and Digital
Width-Height-Length mm	310 x 1100x 1000
Weight Kg	85



UTMWFC
Remote Foot Control Option



ER1MS-10
Torch Remote Amp Control
Option

MACHINE PACKAGE: KTRMW500AC/DC

Standard option includes: Multi Wave 500AC/DC, SR18-4MCP50, Earth / Arc Lead 35mm x 4m, UNI-FLAME Argon Flowmeter Regulator, Gas Hose



KUM390

PRIMARY INPUT VOLTAGE
WELDING CURRENT
VOLTAGE STEPS
DUTY CYCLE 40°C as per AS/NZ60974-1

WELDING VOLTAGE RANGE DC
WIRE SIZE (mm)

DIMENSIONS (mm)
WEIGHT (Kgs)
TORCH OPTIONS:

OPTIONS:

Technical Data

415V 3 Phase
40-375 Amps
30
70% @ 355 Amps
100% @ 300 Amps
16 – 32.5V
0.6 – 1.6mm Ferrous
0.9 – 1.6mm Aluminium
0.6 – 1.6mm Stainless Steel
0.9 – 2.4mm flux cored
870 x 940 x 550mm
144 Kgs
SB36 4 Metre / 5 Metre
ARB 400 / 12ft / 15ft
TWC 4 / 12ft / 15ft
Amp-Volt Meter
Part No: AVOPTION



Technical Data

PRIMARY INPUT VOLTAGE
WELDING CURRENT
VOLTAGE STEPS
DUTY CYCLE 40°C as per AS/NZ60974-1

WELDING VOLTAGE RANGE DC
WIRE SIZE (mm)

DIMENSIONS (mm)
WEIGHT (Kgs)
TORCH OPTIONS:

OPTIONS:

KUM390SWF

415V 3 Phase
40-375 Amps
30
70% @ 355 Amps
100% @ 300 Amps
16 – 32.5V
0.6 – 1.6mm Ferrous
0.9 – 1.6mm Aluminium
0.6 – 1.6mm Stainless Steel
0.8 – 2.4mm Flux cored
1270 x 920 x 460mm
168 Kgs
SB36 4 Metre / 5 Metre
ARB 400 / 12ft / 15ft
TWC 4 / 12ft / 15ft
Amp-Volt Meter
Part No: AVOPTION

KUM390S/D SWF

415V 3Phase/480V 1 Phase
40-375 Amps
30
70% @ 355 Amps 3Phase
100% @ 300 Amps 3Phase
16 – 32.5V
0.6 – 1.6mm Ferrous
0.9 – 1.6mm Aluminium
0.6 – 1.6mm Stainless Steel
0.8 – 2.4mm Flux cored
1270 x 920 x 460mm
168 Kgs
SB36 4 Metre / 5 Metre
ARB 400 / 12ft / 15ft
TWC 4 / 12ft / 15ft
Amp-Volt Meter
Part No: AVOPTION



*NOTE: UNIMIG390S/D
Duty cycle is reduced
when connected to 480VOLT 1 Phase

Overview

The UNIMIG 390 is a powerful workhorse with an exceptionally high duty cycle. It is ideally suited for medium to heavy fabrication industries as well as rural applications. Combining smooth arc characteristics with complete reliability, the UNIMIG 390 is the unit to satisfy all the demands of the professional welder. Fitted standard with a geared four roller drive system ensuring consistent wire feed and smooth welding. The 390 SWF is supplied with a completely enclosed KT 50 wire feed unit which helps prevent dust and moisture fouling your wire and contaminating your weld. It comes with fully covered 10 Metre interconnecting cables and wheels for increased maneuverability.

UNI-MIG 390S/D

The UNIMIG 390S/D is a dual voltage 415V 3Phase/480V 1 Phase MIG designed for rural applications. It is supplied with KT 50 separate wire feed unit and 10 Metre interconnecting cables. Fitted standard with a geared four roller drive system ensuring consistent wire feed and smooth welding.

MACHINE PACKAGE: KUM390

Standard Package includes: KUM390 Machine, SB36 MIG Torch x 4m, Earth Lead & Arc Lead 35mm x 4m, UNI-FLAME Twin Gauge Argon Regulator, 2M gas hose

MACHINE PACKAGE: KUM390SWF / KUM390S/DSWF

Standard Package includes: KUM390SWF Machine, SB36 MIG Torch x 4m, Earth Lead & Arc Lead 35mm x 10m, UNI-FLAME Twin Gauge Argon Regulator, 2M gas hose



KUM425SWF

PRIMARY INPUT VOLTAGE
WELDING CURRENT
VOLTAGE STEPS
DUTY CYCLE 40°C as per AS/NZ60974-1

WELDING VOLTAGE RANGE DC
WIRE SIZE (mm)

DIMENSIONS (mm)
WEIGHT (Kgs)

TORCH OPTIONS:

OPTIONS:

Technical Data

415V 3 Phase
40-400 Amps
30
60% @ 400 Amps
100% @ 310 Amps
16 – 34V
0.6 – 1.6mm Ferrous
0.9 – 1.6mm Aluminium
0.6 – 1.6mm Stainless Steel
0.9 – 2.4mm Flux cored
1270 x 940 x 600mm
182 Kgs
SB38 4 Metre / 5 Metre
ARB 400 / 12ft / 15ft & 17ft
TWC 4 / 12ft / 15ft & 17ft
Amp-Volt Meter
Part No: AVOPTION



KUM500SWF

PRIMARY INPUT VOLTAGE
WELDING CURRENT
VOLTAGE STEPS
DUTY CYCLE 40°C as per AS/NZ60974-1

WELDING VOLTAGE RANGE DC
WIRE SIZE (mm)

DIMENSIONS (mm)
WEIGHT (Kgs)

TORCH OPTIONS:

OPTIONS:

Technical Data

415V 3 Phase
50-450 Amps
50
40% @ 500 Amps
60% @ 400 Amps
100% @ 300 Amps
16 – 36V
0.6 – 1.6mm Ferrous
0.9 – 1.6mm Aluminium
0.6 – 1.6mm Stainless Steel
0.9 – 2.4mm Flux cored
1270 x 940 x 600mm
199 Kgs
TWC5-12FTE
TWC5-17FTE
Amp-Volt Meter
Part No: AVOPTION



Overview

The UNIMIG 425 SWF is a powerful high duty cycle machine designed for medium to heavy fabrication and rural applications. Combining smooth arc characteristics with complete reliability, the UNIMIG 425 SWF is the unit to satisfy all the demands of the professional welder. Features a completely enclosed KT50 wire feed unit which helps prevent dust and moisture fouling your wire and contaminating your weld. Fitted standard with a geared four roller drive system ensuring consistent wire feed and smooth welding. It comes with fully covered 10 Metre interconnecting cables and wheels for increased maneuverability.

The UNIMIG 500 SWF is a powerful high duty cycle machine designed for heavy fabrication and rural applications. Combining smooth arc characteristics with complete reliability. The UNIMIG 500 SWF is the unit to satisfy all the demands of the professional welder. The completely enclosed KT90 wire feed unit helps prevent dust and moisture fouling your wire and contaminating your weld. Fitted standard with a geared four roller drive wire feed system ensuring consistent wire feed and smooth welding. It comes with, fully covered 10 Metre interconnecting cables and wheels for increased maneuverability.

MACHINE PACKAGE: KUM425SWF / KUM500SWF

Standard Package includes: Machine, SB38 MIG Torch x 4m (425SWF) TWC5-15FTE (500SWF)
Earth Lead & Arc Lead 35mm x 10m, UNI-FLAME Twin Gauge Argon Regulator, 2M gas hose



UNIMIG TIG 200 AC/DC Square Wave, Pulse, Remote Control

Welds: Aluminium, Zinc Alloy, Carbon Steels, Alloy Steels, Stainless, Cast Iron, Bronze, Copper



TIG/MMA 200 Amp AC/DC Inverter Welder HF, Pulse, 2T/4T, Down Slope, Post Gas, Remote Amperage Control, Square Wave AC Light Industrial Rated

Features

- Latest IGBT Inverter Technology
- AC/DC TIG
- HF TIG Function (provides easy arc start, prevents tungsten damage)
- 2T/4T Trigger Function
- VRD (Voltage Reduction Device)
- AC Square Wave with Adjustable AC Balance Control
- Adjustable Pulse Control - 0.5 - 300Hz
- Adjustable Base Current 10-90%
- Adjustable Down Slope 0-10 sec
- Adjustable Post Gas 0-10 sec
- MMA
- Hot Start (improves electrode starting)
- Arc Force (stabilises the arc with difficult to use electrodes)
- Remote Amperage Control - Optional
- Generator compatible (recommend 8 KVA minimum)

Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	5.8
ieff (Amps)	14.6 (TIG)
Rated Output	20-170Amps MMA 10-200A/17.4V TIG
No-Load Voltage (V)	56
Duty Cycle @ 40°C as per AS/NZ60974-1	20%@170Amps MMA 20%@200Amps TIG
Efficiency (%)	85
Power Factor	0.93
Protection Class	IP21S
Insulation Class	F
Size (mm)	510x330x360
Weight (kg)	30Kg
Warranty	3 years on power source



Standard Amperage Control for torch



UTJRFC
Remote Foot Control Option

UTJRTROLLEY
Trolley Option

Overview

The UNIMIG 200AC/DC is a 240V square wave AC/DC TIG inverter welder incorporating full TIG functionality including AC balance control, pre gas, down slope, post gas, variable pulse parameters, HF start with 2T/4T trigger control. The HF arc start provides easy arc ignition preventing tungsten inclusion and contamination of the tungsten electrode. The adjustable Down Slope and Post Gas combined with the 2T/4T trigger function gives you control of the welder allowing you to control the start and finish of the weld process at a professional level. The addition of a fully adjustable pulse function of frequency, base current and pulse width gives you the added capability to better control heat input into the work, control penetration & control distortion. AC balance control lets you set the AC TIG arc for cleaning of the oxide layer on aluminium and adjustment for a deeper penetrating weld. Combining the functions of the UNIMIG 200AC/DC ensures comprehensive control of the welding parameters when welding both AC and DC weldable materials giving you the ability to produce professional TIG welds. The DC MMA welding capability delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen. Addition of the optional Foot Control provides variable amperage adjustment during welding. The UNIMIG 200AC/DC is ideal for multiple applications; aluminium & stainless steel fabrication and repair and maintenance applications. Robust & reliable. built to our specification and manufactured in compliance to AS/NZ60974-1

MACHINE PACKAGE: KUMJR200AC/DC

Standard option includes: KUMJR200AC/DC Machine, SR26 TIG Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, UNI-FLAME Argon Flowmeter Regulator, 2M Gas Hose with fittings



UNIMIG 250 SWF

MIG/TIG/MMA - 250 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



Features

- Latest IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
- VRD (Voltage Reduction Device)
- MMA
- DC TIG welding with lift arc start
- Stepless Voltage & Wire Speed controls at wire feeder
- Variable Inductance
- Burn Back control
- 2T/4T trigger function
- Adjustable Crater Current function
- Gas Check
- Wire Inch
- Digital Volt / Amp meters
- Geared 4 roll wire feeder
- Euro style MIG torch connection
- 10m interconnecting cables
- Heavy duty trolley with tool draw
- Push Pull Ready



Technical Data

Power Supply / Phases (V-Ph)	240 - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	35% @ 250 Amps MIG 35% @ 225 Amps MMA
Output Current Range MIG	30A/15.5V - 250A/26.5V
Output Current Range MMA	10A/20.4V - 250A/30.0V
Rated Power MIG	10.8 KVA
I _{eff} MIG	26.6 Amps
MMA	28.0 Amps
Wire Feeder Type	Gear Driven 4 Roll
Protection Class	IP 21S
Insulation Class	F
Dimensions Power Source (LxWxH)	595x280x440mm
Weight Power Source	40.6 Kg
Dimensions Wire Feeder (LxWxH)	630x235x420mm
Weight Wire Feeder	14Kg
Length of Interconnecting Cable	10m
Warranty	3 years on power source
Certification Approval	AS/NZ60974-1



26V-4MCP50
TIG Torch Option



PPLU36-8M
PUSH PULL Torch Option

Overview

The MIG250SWF is an inverter-based MIG welding machine with added MMA and DC TIG function. The machine is equipped with a separate 4 roll gear driven wire feeder and 10m interconnecting cables. The MIG function allows you to weld with both Gas and Gasless wire applications. Adjustment of Voltage & Wire Feed at the feeder makes for easy setting of welding parameters and gives the convenience of remote adjustment from the power source. Crater Current setting delivers perfect finishing of the weld, the electronic Inductance offers fine adjustment of the arc characteristic and Burn Back adjustment leaves the wire out ready for the next weld. Wire Inch and Gas Check provides set up of wire feed and gas setting without wastage of wire or gas. Added MMA welding capability delivers easy and high quality welding using electrodes, including cast Iron, stainless and low hydrogen. Connection of the 26V TIG torch provides quality lift arc DC TIG welding of steel, stainless steel and copper. 240v single phase gives great portability, providing more flexible use for site and home workshop locations. Ideal for general engineers, maintenance workshop and rural workshops. Designed and built to our specification. Certified to - AS/NZ60974-1

MACHINE PACKAGE: KUMJR250SWF

UNI-MIG 250SWF Multifunction Welding Inverter, SB24 4M Sure Grip MIG torch, 10M Arc lead, UNI-FLAME Twin Gauge Argon Regulator, 2M Gas Hose, 10M Interconnecting Cables, Trolley.



UNIMIG 350 SWF

MIG/TIG/MMA - 350 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



Features

- Latest IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
- VRD (Voltage Reduction Device)
- MMA
- DC TIG welding with lift arc start
- Stepless Voltage & Wire Speed controls at wire feeder
- Variable Inductance
- Burn Back control
- 2T/4T trigger function
- Adjustable Crater Current function
- Gas Check
- Wire Inch
- Digital Volt / Amp meters
- Geared 4 roll wire feeder
- Euro style MIG torch connection
- 10m interconnecting cables
- Heavy duty trolley with tool draw
- Push Pull Ready



Technical Data

Power Supply / Phases (V-Ph)	415 -3 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	40% @ 350 Amps MIG 40% @ 350 Amps MMA
Output Current Range MIG	50A/16.5V - 350A/31.5V
Output Current Range MMA	20A/20.8V - 350A/34.0V
Rated Power MIG	11.9 KVA
I _{eff} MIG	24.0 Amps
MMA	26.0Amps
Wire Feeder Type	Separate Gear Driven 4 Roll
Protection Class	IP 21S
Insulation Class	F
Dimensions Power Source (LxWxH)	595x280x440mm
Weight Power Source	41 Kg
Dimensions Wire Feeder (LxWxH)	630x235x420mm
Weight Wire Feeder	14
Length of Interconnecting Cable	10m
Warranty	3 years on power source
Certification Approval	AS/NZ60974-1



26V-4MCP50
TIG Torch Option

PPLU36-8M
PUSH PULL Torch Option

Overview

The MIG350SWF is an inverter-based MIG welding machine with added MMA and DC TIG function. This is an industrial machine equipped with a separate 4 roll gear driven wire feeder and 10m interconnecting cables. The MIG function allows you to weld with Solid wires, Fluxcored Gas and Gasless wires. Adjustment of Voltage & Wire Feed at the feeder makes for easy setting of welding parameters and gives the convenience of remote adjustment from the power source. Crater Current setting delivers perfect finishing of the weld, the electronic Inductance offers fine adjustment of the arc characteristic and Burn Back adjustment leaves the wire out ready for the next weld. Wire Inch and Gas Check provides set up of wire feed and gas setting without wastage of wire or gas. Added MMA welding capability delivers easy and high quality welding using electrodes, including cast Iron, stainless and low hydrogen. Connection of the 26V TIG torch provides quality lift arc DC TIG welding of steel, stainless steel and copper. Ideal for heavy and structural welding applications, general engineers, maintenance workshop, rural workshops. Designed and built to our specification. Certified to - AS/NZ60974-1

MACHINE PACKAGE: KUMJR350SWF

UNI-MIG 350SWF Multifunction Welding Inverter, SB36 4M Sure Grip MIG torch, 10M Arc lead, UNI-FLAME Twin Gauge Argon Regulator, 2M Gas Hose, 10M Interconnecting Cables, Trolley.



UNIMIG 500 SWF

MIG/TIG/MMA - 500 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



Features

- Latest IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
- VRD (Voltage Reduction Device)
- MMA
- DC TIG welding with lift arc start
- Stepless Voltage & Wire Speed controls at wire feeder
- Variable Inductance
- Burn Back control
- 2T/4T trigger function
- Adjustable Crater Current function
- Gas Check
- Wire Inch
- Digital Volt / Amp meters
- Geared 4 roll wire feeder
- Euro style MIG torch connection
- 10m interconnecting cables
- Heavy duty trolley with tool draw
- Push Pull Ready



Technical Data

Power Supply / Phases (V-Ph)	415 -3 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	40% @ 500 Amps MIG
Output Current Range MIG	50A/16.5V - 500A/31.5V
Output Current Range MMA	20A/20.8V - 500A/34.0V
Rated Power MIG	12.7 KVA
I _{eff} MIG	26.0 Amps
MMA	27.0Amps
Wire Feeder Type	Separate Gear Driven 4 Roll
Protection Class	IP 21S
Insulation Class	F
Dimensions Power Source (LxWxH)	595x280x440mm
Weight Power Source	43 Kg
Dimensions Wire Feeder (LxWxH)	630x235x420mm
Weight Wire Feeder	14
Length of Interconnecting Cable	10m
Warranty	3 years on power source
Certification Approval	AS/NZ60974-1



PPLUWC40-24V-8M
PUSH PULL Torch Option



26V-4MCP50
TIG Torch Option



SB500-3M / SB500-4M

Water Cooled MIG Torch Option



UTJRTROLLEY3

Water Cooled Trolley Option

Overview

The MIG500SWF is an inverter-based MIG welding machine with added MMA and TIG function. This is an industrial machine equipped with a separate 4 roll gear driven wire feeder and 10m interconnecting cables. The MIG function allows you to weld with Solid wires, Fluxcored Gas and Gasless wires. Adjustment of Voltage & Wire Feed at the feeder makes for easy setting of welding parameters and gives the convenience of remote adjustment from the power source. Crater current setting delivers perfect finishing of the weld, the electronic Inductance offers fine adjustment of the arc characteristic and burn back adjustment leaves the wire out ready for the next weld. Wire Inch and Gas Check provides set up of wire feed and gas setting without wastage of wire or gas. Added MMA welding capability delivers easy and high quality welding using electrodes, including cast Iron, stainless and low hydrogen. Connection of the 26V TIG torch provides quality lift arc DC TIG welding of steel, stainless steel and copper. Ideal for heavy and structural welding applications, general engineers, maintenance workshop, rural workshops. Designed

MACHINE PACKAGE: KUMJR500SWF

UNI-MIG 500SWF Multifunction Welding Inverter, TWC5-15FTE Sure Grip MIG torch, 10M Arc lead set, UNI-FLAME Twin Gauge Argon Regulator, 2M Gas Hose, 10M Interconnecting Cables, Trolley.



RAZORWELD ARC 160

MMA/TIG - 160 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



Razorweld™

Industrial Rated

240V Single Phase 160 Amp DC Welder

Small, Lightweight and Portable

Features

- 10 Amp Plug
- Selectable VRD on/off (Voltage Reduction Device)
- Single PCB construction
- MMA
- PFC (Power Factor Correction) for maximum electrical efficiency
 - Hot start (improves electrode starting)
 - Arc Force (boosts current to prevent electrode extinguishing)
 - Excellent arc stability with all electrodes
- DC TIG
 - Lift Arc ignition (prevents tungsten sticking during arc ignition)
 - Ultra smooth DC TIG welding current
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Auto-compensation for voltage fluctuation
- Minimal harmonic feedback to power grid
- Generator use with pure sine wave generator only



Selectable VRD on/off
(Voltage Reduction Device)



Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	7.1
I _{eff}	10A
Rated Output	160A/26.4V MMA 160A/16.4V TIG
Welding Current Range	10~160A
No-Load Voltage (V)	9
Duty Cycle @ 40°C as per AS/NZ60974-1	20%@160Amps MMA 45%@160Amps TIG
Power Factor	0.99
Protection Class	IP21S
Insulation Class	F
Size (mm)	365 x 227 x 135
Weight (kg)	6.5
Warranty	3 years on power source



RAZOR160CA
Standard Package



RAZOR160CT
TIG Option

Overview

The ARC160 is an inverter-based welding machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality welder. The DC MMA welding capability delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless and low hydrogen. The ARC160 is equipped with DC Lift Arc function, connection of the 17V TIG torch allows quality DC TIG welding of steel, stainless steel, bronze and copper. The Lift Arc function is superb and delivers perfect arc ignition every time without any sticking of the tungsten electrode to the work piece, a remarkably smooth stable arc produces high quality TIG welds. The ARC160 is an exceptional machine that is suitable for a wide range of industrial applications including, site welding, farming, along with repair and maintenance applications. ARC160 is packaged in a Razorweld carry bag with your choice of MMA option accessories or MMA/TIG option accessories. The ARC160 gives you the best of both worlds with great portability and the power to get the job done. Built to our specification and manufactured in compliance to AS/NZ60974-1

Product Code: KUMJRRW160CA

MMA option includes: ARC160 Machine, Earth Lead & Arc Lead 25mm x 4m, Razorweld Carry Bag

Product Code: KUMJRRW160CT

TIG option includes: ARC160 Machine, Earth Lead & Arc Lead 25mm x 4m, 17V-4MCP50 TIG Torch, UNI-FLAME Argon Flowmeter Regulator and Razorweld carry bag



RAZORWELD ARC 200

MMA/TIG - 200 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



Industrial Rated 240V Single Phase 200 Amp DC Welder Small, Lightweight and Portable

Features

- Single PCB construction
- MMA
- PFC (Power Factor Correction) for maximum electrical efficiency
- VRD (Voltage Reduction Device)
 - Hot start (improves electrode starting)
 - Arc Force (boosts current to prevent electrode extinguishing)
 - Excellent arc stability with all electrodes
- DC TIG
 - Lift Arc ignition (prevents tungsten sticking during arc ignition)
 - Ultra smooth DC TIG welding current
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Auto-compensation for voltage fluctuation
- Minimal harmonic feedback to power grid
- Generator use with pure sine wave generator only



Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	9.0
Ieff	15A
Rated Output	200A/28V MMA 200A/18V TIG
Welding Current Range	10~200A
No-Load Voltage (V)	9
Duty Cycle @ 40°C as per AS/NZ60974-1	30%@200Amps MMA 45%@200Amps TIG
Power Factor	0.99
Protection Class	IP21S
Insulation Class	F
Size (mm)	365 x 227 x 135
Weight (kg)	6.5
Warranty	3 years on power source



RAZOR200CA
Standard Package



RAZOR200CT
TIG Option

Overview

The ARC200 is an inverter-based welding machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality welder. The DC MMA welding capability delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless and low hydrogen. The ARC200 is equipped with DC Lift Arc function, connection of the 26V TIG torch allows quality DC TIG welding of steel, stainless steel, bronze and copper. The Lift Arc function is superb and delivers perfect arc ignition every time without any sticking of the tungsten electrode to the work piece, a remarkably smooth stable arc produces high quality TIG welds. The ARC200 is an exceptional machine that is suitable for a wide range of industrial applications including, site welding, farming, along with repair and maintenance applications. ARC200 is packaged in a Razorweld carry bag with your choice of MMA option accessories or MMA/TIG option accessories. The ARC200 gives you the best of both worlds with great portability and the power to get the job done. Built to our specification and manufactured in compliance to AS/NZ60974-1

Product Code: KUMJRRW200CA

MMA option includes: ARC200 Machine, Earth Lead & Arc Lead 25mm x 4m, Razorweld Carry Bag

Product Code: KUMJRRW200CT

TIG option includes: ARC200 Machine, Earth Lead & Arc Lead 25mm x 4m, 26V x 4m TIG Torch, UNI-FLAME Argon Flowmeter Regulator and Razorweld carry bag



DIGITAL TIG 200 DC

TIG/MMA - 200 Amp DC Digital Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



Industrial Rated

TIG/MMA 200Amp HF 240v Single Phase DC Welder



Features

- Latest IGBT Inverter Technology
- Digital Weld Program Sequence Control
- DC TIG
 - HF Arc Ignition (prevents tungsten inclusion & tungsten damage)
 - Adjustable Pulse Frequency 0.5 - 200Hz
 - Peak Current, Base Current and Pulse Width Adjustment
 - 2T/4T Trigger + Spot Time Adjustment
 - Start & Finish Current Adjustment
 - Pre and Post Gas Flow Adjustment
 - Up and Down Slope Adjustment
 - Remote Torch Amp Control
- VRD (Voltage Reduction Device)
- MMA
 - Arc Ignition
 - Arc Force
- Thermal Overload Protection



Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	7.0
I _{eff} (Amps)	14.6
Rated Output	10-160A/26.4V MMA 5-200A/18.0V TIG
No-Load Voltage (V)	43
Duty Cycle @ 40°C as per AS/NZ60974-1	25% @ 200 Amps TIG 25% @ 180 Amps MMA
Efficiency (%)	85
Power Factor	0.70
Protection Class	IP21S
Insulation Class	F
Size (mm)	365 x 135 x 277
Weight (kg)	6.5kg
Warranty	3 years
Certification Approval	AS/NZ60974-1

Overview

The RAZOR200 DC TIG is an inverter-based digital controlled DC TIG welding machine with HF arc ignition and pulse capability. Produced using the latest in IGBT technology this machine offers simple easy step by step digital setting of functions and parameters providing you with professional and complete control. The HF arc ignition provides pre gas and instant arc ignition with the press of the torch switch leaving no tungsten inclusion and no contamination of the tungsten electrode. Digital set of Pre Gas Time, Start Current Level, Up Slope Time, Down Slope Time, Finish Current Level and Post Gas Time combined with the choice of 2T or 4T trigger function allows you to control the start and finish of the weld process at the highest professional level. The Digital Control Pulse Frequency allows full parameter setting of Peak Current, Base Current, Pulse Frequency and Pulse Width, allowing you to manipulate the heat input to the work, control penetration and minimise distortion. Combining the functions of the RAZOR200 DC TIG ensures comprehensive control of the welding parameters when welding all DC weldable materials to produce high quality TIG welds. Our unique Torch Remote Control Interface provides remote amperage control from the torch in both static and live welding modes. The DC MMA welding function delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen. The added bonus of Arc Ignition and Arc Force control allows you to set the ideal arc condition no matter what electrode you choose. The RAZOR200 DC TIG is a professional machine that is suitable for multiple applications, stainless steel fabrication, dairy & food industry, site welding, repair and maintenance applications. Built to our specification and manufactured in compliance to AS/NZ60974-1

Product Code: KUMJRRW200DC

Standard Package includes: RAZOR200 DC TIG Machine, SR26 x 4m TIG Torch, Earth Lead & Arc Lead 25mm x 4m, UNI-FLAME Argon Flowmeter Regulator, Razorweld Carry Bag



RAZOR MIG 200

MIG/MMA - 200 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



Features

- Latest IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
- Excellent MIG welding with CO2 gas & mixed gas
- Euro style MIG torch connection
- Internal wire feeder, gear driven
- 1Kg to 5Kg Spools
- Adjustable Burn Back
- Spool Gun Connection
- Stepless voltage and wire feed control
- Wire Inch
- DC TIG with scratch start arc ignition
- MMA
- VRD (Voltage Reduction Device)
- Excellent arc stability
- Hot Start - Anti Stick
- Industrial rated
- Solid case construction
- IP21S rating for environmental/safety protection
- Tolerant to variable power supply



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	20% @ 200 Amps MIG 15% @ 200 Amps MMA
Output Current Range MIG	30A/15.5V - 200A/24.0V
Output Current Range MMA	10A/20.4V - 200A/28.0V
Rated Power MIG	9.4 KVA
I _{eff} MIG	15.0 Amps
MMA	15.0 Amps
Power factor	0.70
Protection Class	IP21S
Insulation Class	F
Dimensions Power Source (LxWxH)	470x190x380mm
Weight Power Source	12.5 Kg
Warranty	3 years on power source



OPTIONAL SPOOL GUN
240A SpoolGun
Part No.
PLSP240A-24-P1-60ER

Overview

The RAZORWELD MIG200 is a new inverter-based portable MIG welding machine with added MMA function. The MIG function allows you to weld with both Gas Shielded and Gas-less wire applications. Easy step-less adjustment of voltage and wire feed make for easy setting of welding parameters giving excellent, professional welding results. Wire Inch gives easy feeding of the wire during set up without gas wastage and the Burn Back adjustment leaves the wire out ready for the next weld. MMA welding capability delivers easy electrode welding with high quality results, including cast Iron, stainless and low hydrogen. An additional feature is the Spoolgun ready function that allows the simple connection of the SPGRW200II Spoolgun for the use of thin or softer wires that don't have the column strength to feed through standard MIG torches, such as aluminium wire. This is an industrial machine that is both lightweight and portable. Being 240v single phase gives great versatility. Ideal for general engineers, maintenance workshop and rural workshop, designed and built to our specification. Certified to - AS/NZ60974-1

Product Code: KUMJRRW200MIG

Package includes: MIG200 Welding Machine, SB24 MIG Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, UNI-FLAME Twin Gauge Argon Regulator, Razorweld carry bag, Gas hose with quick connect fitting.



RAZOR 250 MTS

MIG/TIG/MMA - 250 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



RazorWeld™

Features

- Latest IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
- MMA
- DC TIG welding with Lift Arc Start
- Digital Amp - Volt Meters
- Industrial application
- Solid metal case construction
- Internal wire feeder, gear driven
- 15Kg Spools
- VRD (Voltage Reduction Device)
- Euro style MIG torch connection
- IP21S rating for environmental / safety protection
- Tolerant to variable power supply
- Stepless voltage and wire feed control
- Variable inductance control
- Excellent MIG welding with CO2 gas & mixed gas
- Excellent arc stability
- Spool Gun Connection



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	30% @ 250 Amps MIG / TIG/ MMA
Output Current Range MIG	30A/15.5V - 250A/26.5V
Output Current Range TIG	15A/10.6V - 250A/20.0V
Output Current Range MMA	15A/20.6V - 250A/30.0V
Rated Power MIG	11.0 KVA
I _{eff} MIG	28 Amps
Power factor	0.72
Protection Class	IP21S
Insulation Class	F
Wire Feeder Type	Gear Driven 2 Roll
Dimensions Power Source (LxWxH)	585x280x440mm
Weight Power Source	30 Kg
Dimensions Trolley (LxWxH)	628mm x 267mm x 453mm
Warranty	3 years on machine



PLSP240A-24-P1-60ER
SpoolGun Option



26V-4MCP50
TIG Torch Option



UMJR TROLLEY4
Machine Trolley option

Overview

The RAZOR250 is a new inverter-based portable MIG welding machine with added MMA and TIG function. The MIG function allows you to weld with both Gas Shielded and Gasless wire applications. Easy stepless adjustment of voltage and wire feed make for easy setting of welding parameters giving excellent, professional welding results. Wire inch gives easy feeding of the wire during set up without gas wastage and the Burn Back adjustment leaves the wire out ready for the next weld. MMA welding capability delivers easy electrode welding with high quality results, including cast Iron, stainless and low hydrogen. Connection of the 26V TIG torch provides quality DC TIG with Lift Arc start for welding of steel, stainless steel and copper. An additional feature is the Spoolgun ready function that allows the simple connection of the SPG200II Spoolgun for the use of thin or softer wires that don't have the column strength to feed through standard MIG torches, such as aluminium wire. This an industrial machine that is lightweight and portable, an optional trolley with tool drawer and cylinder rack provides off the floor operation and better manoeuvrability around the workshop. Being 240v single phase gives great portability. Ideal for general engineers, maintenance workshop and rural workshop. Designed and built to our specification. Certified to - AS/NZ60974-1

MACHINE PACKAGE: KUMJRRW250

RAZOR 250 Multifunction Welding Inverter, SB24 4M Sure Grip MIG torch, 4M Arc lead set, UNI-FLAME Twin Gauge Argon Regulator, 2M Gas Hose.



RAZOR DIGITAL 200 AC/DC TIG/MMA - Digital Inverter Welder

Welds: Aluminium, Magnesium, Zinc Alloys, Steels, Stainless,
Cast Iron, Bronze, Copper



TIG/MMA 200 Amp AC/DC Inverter Welder Digital Control - 240V Single Phase

Features

- Latest 43KHz Inverter Technology
- AC/DC HF TIG Function
 - Arc Ignition HF Oscillation
 - AC Square Wave 20 - 250Hz
 - AC Balance Control Adjustable
 - Pulse Frequency 0.2 - 200Hz
 - Pulse Width 10 - 90%
 - Base Current 10 - 200A
 - Up Slope 0 -10 sec
 - Down Slope 0 -15 sec
 - Pre Gas 0 - 3 sec
 - Post Gas 0.5 -15 sec
 - Trigger Function 2/4T-Spot
- MMA
 - Arc Ignition Current Automatic
 - Arc Ignition Time Automatic
 - Arc Force Current 0 - 40A
- Remote Amperage Foot & Hand Control



Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	6.0
ieff (Amps)	15
iMax (Amps)	29
Rated Output	10-160A/26.4V MMA 10-200A/18.0V TIG
No-Load Voltage (V)	68
Duty Cycle @ 40°C as per AS/NZ60974	30%@160Amps MMA 25%@200Amps TIG
Efficiency (%)	85
Power Factor	0.70
Protection Class	IP21S
Insulation Class	B
Size (mm)	426x162x326
Weight (kg)	10Kg
Warranty	3 years machine only
Certification Approval	AS/NZ60974.1



Standard Amperage Control
for torch

UTJRFC-4
Remote Foot Control Option

Overview

The RAZOR200ACDC is a Digital Controlled Square Wave AC/DC TIG inverter welder. Intelligent digital control of the main functions are realised by software providing ease of operation and high accuracy. Full TIG functionality, offering simple step by step digital control of functions and parameters providing complete professional control. HF arc ignition provides pre-gas with instant arc ignition leaving no tungsten inclusion or contamination of the tungsten electrode. Digital set of Pre Gas Time, Start Current, Up Slope and Down Slope Time, Finish Current Level and Post Gas Time with the choice of 2T or 4T trigger function allows control of the welding process at a professional level from start to finish. Digital Pulse Control gives full parameter setting of Peak & Base Current, Pulse Frequency & Pulse Width providing control of heat input, penetration & distortion. AC Square Wave Balance gives control of the electron flow at the tungsten, the AC TIG arc can be adjusted from maximum oxide-layer cleaning on aluminium through to a deeper penetrating weld. Remote Control Interface provides optional remote amperage control at the torch or foot-pedal control. DC MMA welding delivers a smooth and stable arc for easy welding of electrodes producing high quality welds including cast Iron, stainless and low hydrogen. Arc Ignition and Arc Force control allows you to set the ideal arc condition no matter what electrode you choose. Optimised auto protection of the power input provides auto shut down of the machine when large scale fluctuations occur. Unique air channel design increases the heat dissipation of the power device, control circuits, minimises dust absorption, thereby greatly improving longevity and reliability. RAZOR200ACDC is the new standard for 240V AC/DC welders making it the ideal choice for experienced or novice welders of Aluminium, Stainless and Steel materials. Built to our specification and manufactured in compliance to AS/NZ60974.1

MACHINE PACKAGE: KUMJRRZ200AC/DC

Standard option includes: RAZOR200AC/DC Machine, SR26 TIG Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, UNI-FLAME Argon Regulator, 2M Gas Hose with fittings



Leather Apron

XA *STEERSO*tuff Leather Apron

XcelArc Steersotuff leather apron is heat and flame resistant made from leather using durable and pliable split cowhide. All leather seams are double lock stitched with high strength Kevlar thread. Panels and stress points are reinforced with doubled leather and metal rivets that are insulated. The unique self balancing strap system features a quick release buckle and sliding length adjuster.

Part-No	Description
XA-44-7142	XcelArc Leather Welding Apron 107cm Length



*STEERSO*tuff



Leather Sleeve Set

XA *STEERSO*tuff Leather Sleeve Set

XcelArc Steersotuff leather sleeve set is heat and flame resistant made from leather using durable and pliable split cowhide. All leather seams are double lock stitched with high strength Kevlar thread. Panels and stress points are reinforced with doubled leather and metal rivets that are insulated. The unique self balancing strap system features a quick release buckle and sliding length adjuster. Snap lock rivets at the wrist provide quick and easy closer and release of the sleeve entry.

Part-No	Description
XA-44-7023	XcelArc Leather Welding Sleeve Set



*STEERSO*tuff



Leather Chaps

XA *STEERSO*tuff Leather Chaps

XcelArc *STEERSO*tuff leather chaps are heat and flame resistant made from leather using durable and pliable side split cowhide. The chaps provide excellent lower body and leg protection from heat, abrasion and sparks. The chaps are secured easily with adjustable straps.

Part-No	Description
XA-44-7440	XcelArc Leather Chaps



Leather Spats

XA STEERSOtuff Leather Spats

XcelArc leather spats are heat and flame resistant made from tough, durable and pliable split cowhide leather. The spats provide excellent protection of ankles and feet preventing sparks and hot material from entering the inside of footwear. The spats are easy to fit and are secured and held in place by Velcro strip pads.

Part-No	Description
XA-44-7106	XcelArc Leather Spats



Welders Cushion

XA STEERSOtuff Leather Cushion

Heavy duty construction made from 5-side Lava Brown heat and flame resistant leather which is made from durable and pliable side split cowhide 1-side Aluminised PFR Rayon to protect from welding spatter and sparks.

Size: 500 x 500 x 80mm

Part-No	Description
XA-44-7900	XcelArc Leather Welders Cushion



Welders Flame Retardant Skull Rags

XA Professional Series Welders Skull Rags

Made from 100% preshrunk cotton these flame retardant skull rags are resistant to flame and welding spatter and will retain their flame retardant properties for up to 50 home washings. Athletic mesh lining for comfort, air cushioned insert for sweat absorbency, ties in back for one size fits all.

Part-No	Description
XA-23-3601	XcelArc Skull Rag - Camouflage
XA-23-3602	XcelArc Skull Rag - Wild
XA-23-3604	XcelArc Skull Rag - USA
XA-23-3606	XcelArc Skull Rag - Happy Hour
XA-23-3607	XcelArc Skull Rag - Paradise
XA-23-3613	XcelArc Skull Rag - Safety Orange



Camouflage



Wild



Happy Hour



USA



Paradise

Flame Retardant Welders Hood

XA Professional Series Flame Retardant Hood

Made from flame retardant cotton sateen that is tested to ensure conformity to ASTM D6413-99. This flame retardant welders hood is resistant to flame and welding spatter, and will retain its flame retardant properties for up to 50 home washes. Lightweight and comfortable fully enclosing the welders head, neck area for maximum protection.

Part-No	Description
XA-23-6680	XcelArc Flame Retardant Blue Helmet Hood



ER70S-6 SOLID MIG WIRE Precision Layer Wound

- High Quality
- Triple De-oxidised
- X-Ray Quality
- Precision Layer Wound
- Smooth Feeding
- Clean Weld Finish
- International Approvals
 - ER70S-6
 - AS/NZS 2717.1:ES6 - CG - W503H
- APPROVALS 5KG AND 15 KG SPOOLS
 - LLOYDS REGISTER
 - DET NORSKE VERITAS
 - AMERICAN BUREAU OF SHIPPING
 - GERMANISCHER LLOYD
 - CANADIAN WELDING BUREAU.

Typical Applications:

Structural Steel - General Fabrication - Light Fabrication
Transport Industry - Heavy Equipment - Farm Machinery
Pressure Vessels - Robotic and Semi Automatic Welding Applications



UNIMIG ER70S-6 is a high quality, copper coated, triple de-oxidised solid MIG welding wire supplied on 15kg / 5kg and 1Kg Plastic Spools. UNIMIG ER70S-6 is a mild steel welding wire that contains higher levels of manganese and silicon than other standard grades of MIG wire to produce high quality welds when used on dirty, oily, or rusty steel. The high silicon content increases the fluidity of the weld pool, thus creating a smoother bead appearance and resulting in minimal post-weld grinding.

UNIMIG ER70S-6 wire is engineered to provide porosity-free, x-ray quality welds at the highest tensile strength (as welded) of all the plain carbon steel wires. ER70S-6 Solid MIG Wire requires a shielding gas: CO² and/or CO² mix. UNIMIG ER70S-6 wire is Precision Layer Wound for smooth uninterrupted wire feed with less liner and tip wear.

UNIMIG E70S-6 Solid Precision Layer Wound MIG Wire

Part-No	Description	Weight
MS.6A	0.6mm UNIMIG ER70S-6 MIG Wire	1kg
MS.8A	0.8mm UNIMIG ER70S-6 MIG Wire	1kg
MS.6B	0.6mm UNIMIG ER70S-6 MIG Wire	5kg
MS.8B	0.8mm UNIMIG ER70S-6 MIG Wire	5kg
MS.9B	0.9mm UNIMIG ER70S-6 MIG Wire	5kg
MS.6C	0.6mm UNIMIG ER70S-6 MIG Wire	15kg
MS.8C	0.8mm UNIMIG ER70S-6 MIG Wire	15kg
MS.9C	0.9mm UNIMIG ER70S-6 MIG Wire	15kg
MS1.0C	1.0mm UNIMIG ER70S-6 MIG Wire	15kg
MS1.2C	1.2mm UNIMIG ER70S-6 MIG Wire	15kg



PROTECTIVE SAFETY WEAR

PAPR UNIT



POWERED AIR PURIFYING RESPIRATOR

Clean Air Welding Ultimate Protection from Harmful Welding Fumes Auto-Darkening Helmet

- Positive pressure system
- Designed to work an 8 hour shift
- Long lasting reliable P2 filter
- Auto shutdown mode
- 3 airflow levels for varied working conditions
- Blocked filter, low airflow, low battery alarms
- Lightweight, ergonomic design
- Shoulder harness for extended wear
- Side or rear mounting of respirator pack
- Standards Compliant AS/NZS 1716:2012



Overview

The UNIMIG PAPR system provides industrial level protection for the most extreme welding applications and environments where effective and reliable eye and respiratory protection is an absolute must. This is a Powered Air Purifying Respirator system built with a tough robust exterior yet is comfortable and lightweight. The ergonomic design, lightweight shell, fully adjustable head gear & back harness delivers maximum comfort during long welding periods. The quick-disconnect and swivel breathing tube provides easy adjustability to accommodate space restraints. The automatic detecting control system provides constantly stable clean air. The LCD display clearly shows airflow level, battery charge level and filter status. 3 levels of airflow provide increased comfort for varied working conditions and a flashing and audible alarm indicates low battery, low airflow, filter blockage and high battery temperature. The respirator unit is fitted with a spark filter and replaceable pre-filter to protect and extend the life of the main filter. The 12-volt, 4400MAh lithium-ion battery provides for up to 8 hours use on level 1, 6 hours on level 2 and 4 hours on level 3 airflow setting. The battery requires a 3 hour charge at a maximum of 500 charge cycles. A handy, easy to use flow-check meter is provided to ensure the correct airflow is present for maximum protection. Fitted with the advanced UNIMIG XA-5022(D) series helmet featuring the latest digitally-controlled auto darkening filter, adjustable from shade 5-9 and shade 9-13 makes it ideal for MMA, TIG and MIG welding, as well as Plasma Cutting and even grinding applications. The switching time from light to dark is approximately 0.0001 second. The delay time from dark to light may be adjusted between 0.1 and 0.9 seconds. The UNIMIG XA-5022(D) is a lightweight and comfortable design offering excellent neck coverage and protection. The combination of the UNIMIG PAPR unit and the UNIMIG XA-5022(D) helmet provides you with standards-approved and certified welding protection ensuring the highest levels of welding safety whilst at a highly competitive price.

STANDARDS

UNIMIG PAPR SYSTEM: complies with AS/NZS 1716:2012.

UNIMIG FACE SHIELD: complies with AS/NZS 1337.1:2010 [High Impact].

UNIMIG WELDING FILTER: complies with AS/NZS 1338.1:2012

Welding Guns of Australia will not take responsibility for respiratory protective equipment that is chosen incorrectly. Some welding environments may contain dangerous levels of poisonous gases that are not suitably filtered by a particle filter. UNIMIG PAPR is not suitable for environments that contain poisonous gases or have an oxygen deficiency. It is the purchasers' responsibility to ensure their workplace is tested adequately for fume hazards and adequate extraction and ventilation is used in confined space applications.

Part-No

P1004

Description

UNIMIG Powered Air Purifying Respirator System includes: PAPR System, UNIMIG XA-5022(D) Series Helmet, Battery Charger, Flow Check, Carry Bag, Shoulder Harness.

Powered Air Purifying Welding Helmet

Respiratory System is a combined face and breathing protection device for increased safety and comfort during welding.

Welding Lens Filter Technical Data

Filter dimensions	114 x 133mm
Viewing area	100 x 60mm
Light state shade	4
Dark state shade	5-9/9-13
Shade control	Internal Digital control
Switching time @ 23°C	0.08ms / 0.00008 seconds
Sensitivity control	Internal Digital control
Time from dark to light	0.1 - 0.9s
Operation temperature	-10°C - 65°C
Grinding Function	Yes Digital Control
Grinding Flash	Yes
Low voltage show	Yes
Power supply	Solar cell Lithium batteries
Arc sensor	4
Standards	Face Shield AS/NZS 1337.1:2010
Welding Filter	AS/NZS 1338.1:2012



PAPR - P1004

Part-No	Description
UMRBOP	Front Cover Lens 114x133mm
UMRBIP	Inside Cover Lens 105x66mm
UMHR	Head Band Assembly
UMSB	Sweat Band
UMABT	Battery
MAGPCL1	MAGNIFYING PC LENS 1.0
MAGPCL15	MAGNIFYING PC LENS 1.5
MAGPCL175	MAGNIFYING PC LENS 1.75
MAGPCL20	MAGNIFYING PC LENS 2.0

UMRBOP
Front Cover Lens
133x114mm

MAGPCL
Magnifying Lens
108x50mm

UMRBIP
Inside Filter Lens Cover
105x66mm

PROTECTIVE SAFETY WEAR

PAPR UNIT



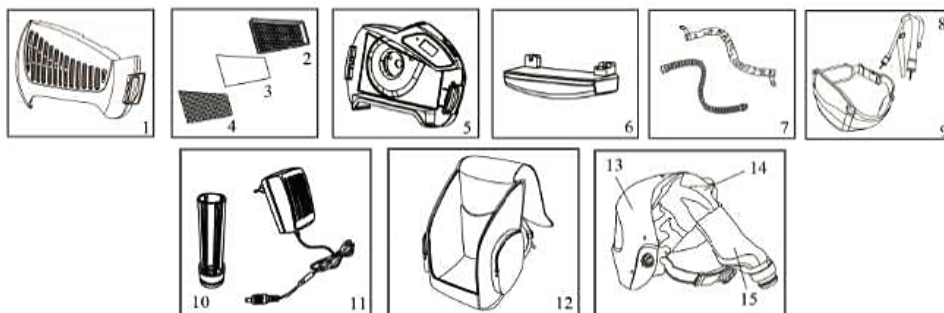
Respirator Technical Data

Filter Type P	APR-P2
High filter efficiency	99.996%@0.3um
Airflow speed	165L/min, 200L/min, 230L/min
Standards	AS/NZS 1716:2012
Battery Type	Rechargeable Li-ION 12V 4400mAh
Battery operating time	Level 1: >8h Level 2: >6h Level 3: >4h
Charge time	3~4h
Recharge quantity	>500
Noise Level	>500
System	Automatic detecting and controlling system provides constantly stable clean air
Controls	Airflow 3 levels On/Off Switch Automatic shut down after 30mins of no use
LCD display	Airflow level data Battery life Filter loading status
Warning & self protection	Low battery
Flash & Sound	Blocked filter - low air flow High battery temperature
Operating temperature	-05°C - 55°C
Operating humidity level	<90%
Storage temperature	-10°C - 55°C
Warranty	12 months - P1004 blower unit 06 months - P1004 battery



PAPR Assembly and spare parts

- 1 P0401 Filter cover
- 2 P0404 Filter
- 3 P0403 Prefilter
- 4 P0402 Spark Arrestor
- 5 P0405 Blower unit
- 6 P0301 Li-ION battery
- 7 P0601 Breathing tube
- 8 P0501 Waist belt
- 9 P0502 Dual shoulder strap
- 10 P0604 Portable airflow tester
- 11 P0603 Battery charger
- 12 P0503 Backpack
- 14 P0102 Face Seal
- 15 P0201 Airduct



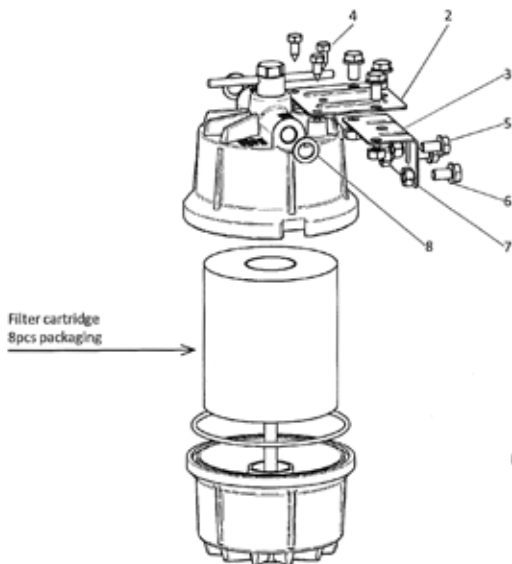
PLASMA AIR FILTERS

Sub-Micronic Compressed Air Filters



Air Filter 50500-12

Code:	50500-12 / 50505-48
12 Filters Dimensions:	11" x 16.5" x h. 17.3"(cm 28 x 42x h.44)
Data Sheet	.01 pinch - 0.25 pm
Filtering Degree:	125 PSI - 8.5 bar
Maximum Pressure:	2700 SCFH - 1250l/min.
Maximum Flow @ 80%:	1 5-1 40F / -1 0 +60C°
Temperature Range:	1/4 NPT
Size Pipe: Dimension:	45.2" x7.9" - 4132 x 200mm



Contents Of Package

1. Complete Air Filter, already assembled and ready to use.
2. Flat Bracket.
3. 90° Bracket.
4. N° 3 Self-tapping screws (to fix the flat bracket to the filter housing)
5. N° 6 Bolts M8 x 16.
6. N° 6 Flat washers x ø 8mm.
7. N° 6 Nuts M8.
8. N° 2 Gasket.

Overview

'AT 1000' is the perfect solution to the problems created by the contamination of the compressed air used in many plasma cutting systems. It eliminates "sputter" caused by moisture and oil from compressed air lines. It extends the electrode and tip life, with obvious benefits to the cut quality. Designed to remove aerosol oil and moisture, the "AT 1000" is a real benefit, entrapping particles as small as .01 microns inches, with the "AT 1000" torches last longer. Using a plasma cutter without the "AT 1000" fitted will result in condensed moisture remaining in the torch and torch head. This moisture can cause a short-circuit, with subsequent costs for the replacement of the torch head. The "AT 1000" can filter up to 1250 liters a minute without reduction in pressure. It's recommended to replace the filter cartridge every 5 to 7 days (max). It's also very suitable for painters and use of pneumatic tools.

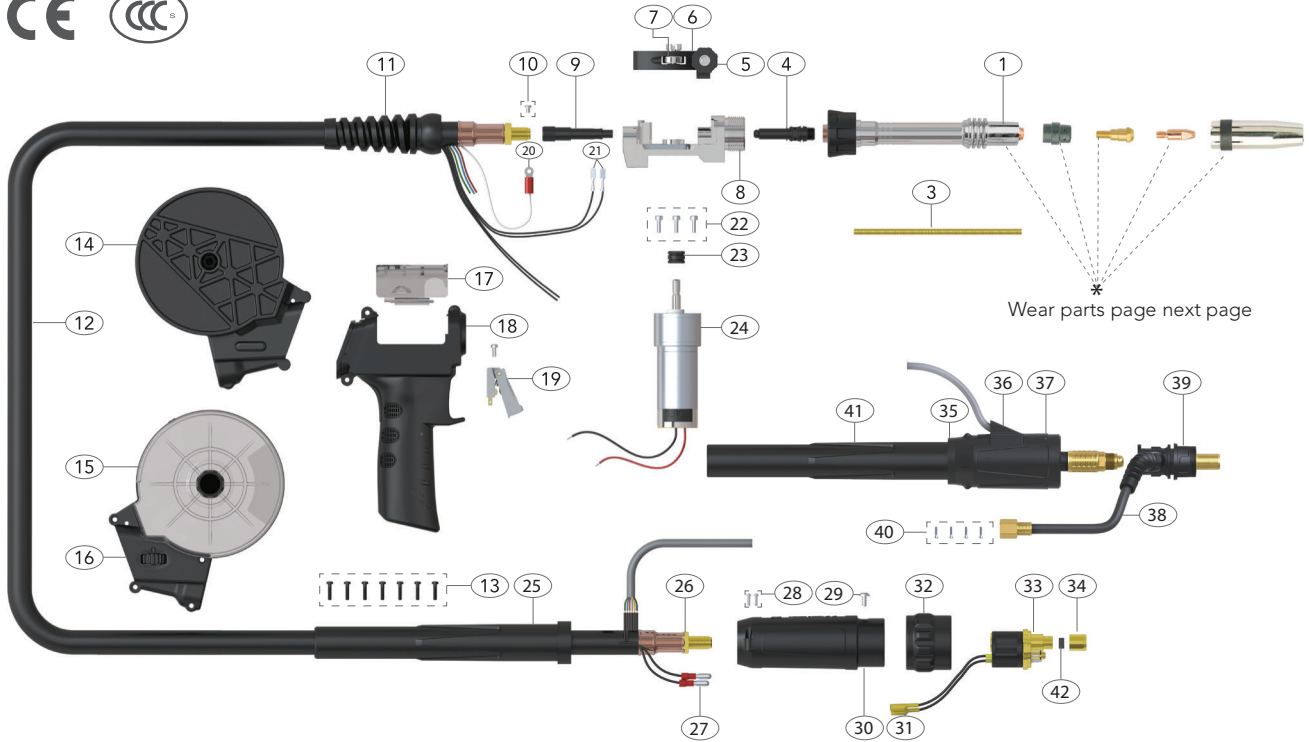
Suregrip Series

240AMP SPOOL GUN



240A Air-Cooled MIG Welding Torch

Rating: 240A CO2 220A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



Torch Model

Description

Part Number
6Mt

240 Spool Gun Suregrip series

PLSP240A-24

Spare Parts

Part Number	Description	Part Number	Description
1	USP2401 Straight Neck Assembly	23	UGP7020W-08U Driver Roll For Aluminium Wire 0.8
3	USP1502 Jump Liner		UGP7020W-09U Driver Roll For Aluminium Wire 0.9
4	UGP36006 Jump Liner Nipple		UGP7020W-10U Driver Roll For Aluminium Wire 1.0
5	UGP36402B Tension Knob		UGP7020W-12U Driver Roll For Aluminium Wire 1.2
6	UGP36402 Pressure Arm Assembly	24	UGP7020-24 Motor 24V DC
7	UGP36402R Pressure Roll		UGP7020-42 Motor 42V DC
8	USP36001 Motor Body	25	UPA2041 Cable Support
9	USP36006 Wire Guide	26	UB1505 Lock Nut
10	SC2563 Screw Pack	27	UB1522 Cable Terminal Male
11	MIG8015 Cable Support	28	SCSP1-1 Gun Plug Housing Screw
12	PLSP1517-60ER Coax Cable Assembly, Euro Type	29	UBL1541 Gun Plug Screw
	PLSP1517-60DN Coax Cable Assembly, Dinse Type	30	SC2578H/L Gun Plug Housing Assembly
13	UKA3X20 Handle Screw Pack	31	UB1523 Gun Plug Terminal Female
14	USP2515SP-B Spool Box	32	UC1519/S Housing Nut
15	USP2515SP-C Spool Cover	33	UC1528 Hybrid Gun Plug Body C/W Spring Pins
16	USP2515SP-PT-1K Wire Speed Control 1KΩ	34	UB1525 Liner Nut
	USP2515SP-PT-5K Wire Speed Control 5KΩ	35	USLH26-SM Cable Support Large
	USP2515SP-PT-10K Wire Speed Control 10KΩ	36	USLH26-C Surelok™ Housing Cover
	USP2515SP-PT-25K Wire Speed Control 25KΩ	37	USLH26-H Surelok™ Housing Large
17	UGP2514-C Push Pull Handle Cover	38	USL-1 Gas Supply Hose
18	CSP2515-KJ Spool-On Handle	39	USL3550 Surelok™ Body & Support
19	UGP2516 Push Pull Trigger	40	UERSP1 Screw Pack
20	SC2597 Circular Cold Press Terminal	41	UPA3541 Cable Support
21	UB1521 Cable Terminal	42	UB1525W Washer
22	UGPMS1 Motor Screw Pack		
23	UGP7020W-09 Driver Roll For Hard Wire 0.9		
	UGP7020W-10 Driver Roll For Hard Wire 1.0		

*Note: Gas supply hoses are specified by utilizing the part number and a termination suffix from the gas supply hose table on page 8.

Example: USL-1-GS1

Gas supply hoses C/W 3/8" BSP fitting.

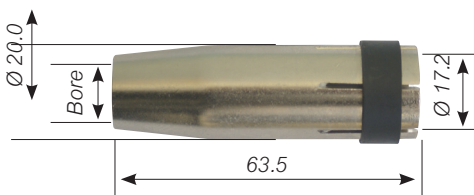
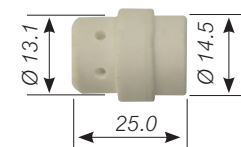
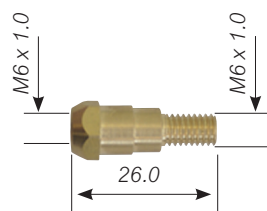
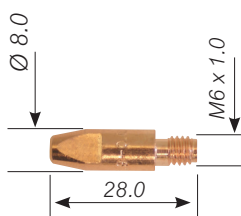
Denotes torch package drive roll set up

Note: All packages supplied with hard and soft wire drive roll

Suregrip Series 240AMP SPOOL GUN



Front end consumables



SB24 Contact Tips

Part Number	Description	Quantity
PCT0009-06	Contact Tip Steel (0.6mm)	QTY10
PCT0009-08	Contact Tip Steel (0.8mm)	QTY10
PCT0009-09	Contact Tip Steel (0.9mm)	QTY10
PCT0009-10	Contact Tip Steel (1.0mm)	QTY10
PCT0009-12	Contact Tip Steel (1.2mm)	QTY10
PCT0009-16	Contact Tip Steel (1.6mm)	QTY10
PCTAL0009-09	Contact Tip Aluminium (0.9mm)	QTY10
PCTAL0009-10	Contact Tip Aluminium (1.0mm)	QTY10
PCTAL0009-12	Contact Tip Aluminium (1.2mm)	QTY10

SB24 Tip Holder

Part Number	Description	Quantity
PCTH24	Contact Tip Holder	QTY2

SB24 Gas Diffuser

Part Number	Description	Quantity
PCGD24	Gas Diffuser	QTY2
PCGD24R	Rubber Gas Diffuser	QTY2

SB24 Gas Nozzle

Part Number	Description	Quantity
PGN24CYL	Cylindrical Nozzle	QTY2
PGN24CON	Conical Nozzle	QTY2
PGN24TAP	Tapered Nozzle	QTY2
PGN24SPOT	Spot Nozzle	QTY2

V Groove Drive Roller - Steel Wire

Part Number	Description
UGP7020W-09	Driver Roll For Hard Wire 0.9
UGP7020W-10	Driver Roll For Hard Wire 1.0

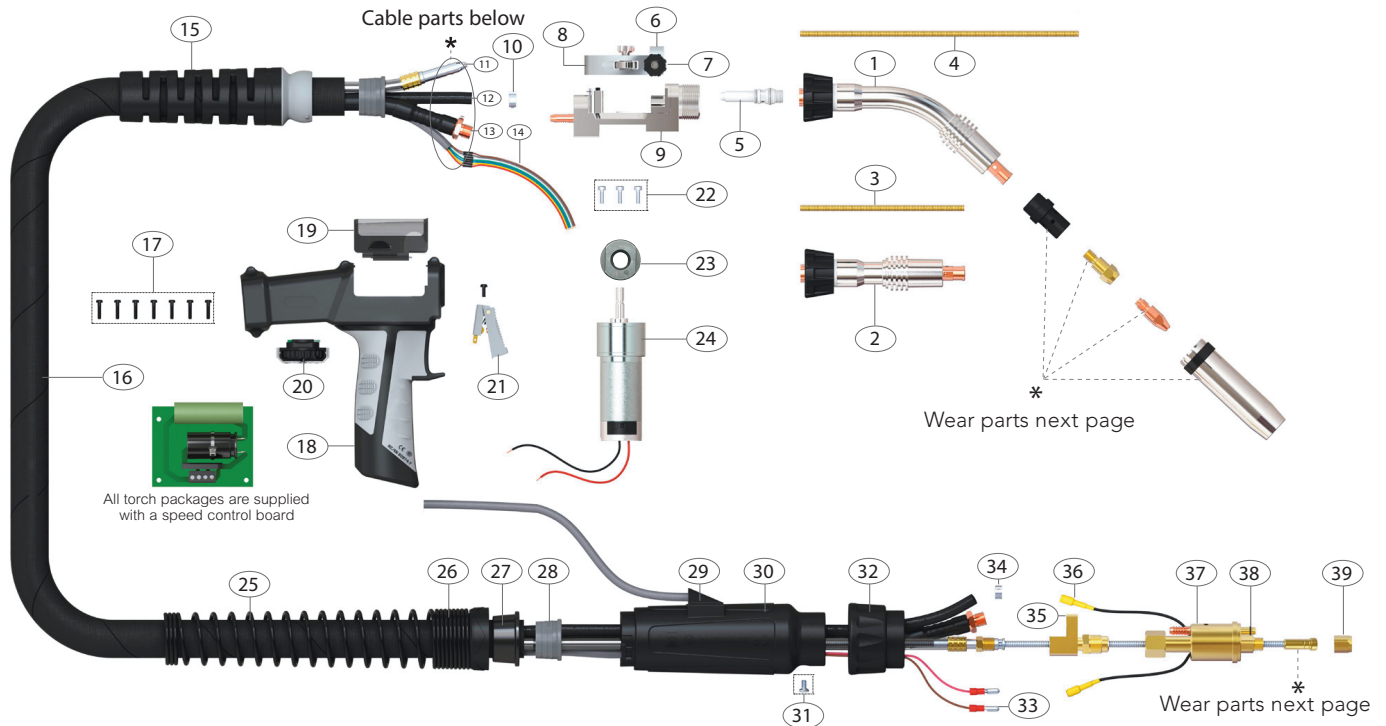
U Groove Drive Roller - Soft Wire

Part Number	Description
UGP7020W-08U	Driver Roll For Aluminium Wire 0.8
UGP7020W-09U	Driver Roll For Aluminium Wire 0.9
UGP7020W-10U	Driver Roll For Aluminium Wire 1.0
UGP7020W-12U	Driver Roll For Aluminium Wire 1.2

These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

360A Air-Cooled MIG Welding Torch

Rating: 300A CO2 270A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



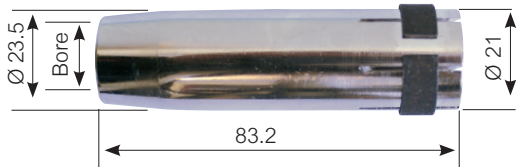
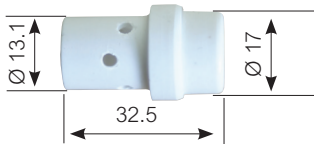
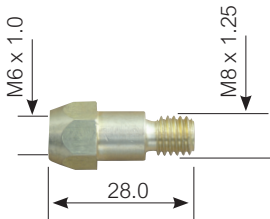
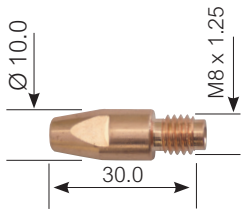
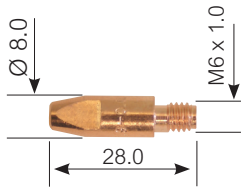
Torch Model	Description	Part Number
360 PUSH PULL MIG TORCH		8Mt
		PPLU36-24V-8M
		PPLU36-42V-8M

Spare Parts			
Part Number	Description	Part Number	Description
1	UGP3603 Swan Neck Assembly 45	24	UGP8224-24 Motor 24V DC
2	UGP3603A Straight Neck Assembly	25	UC8027 Housing Spring
3	UGP3602 Jump Liner	26	UT8028 Spring Cable Support Nut
4	UGP3602A Jump Liner	27	UT8009 Canvas Cover Clamp
5	UGP36006 Jump Liner Nipple	28	UT8010 Canvas Cover Retainer
6	UGP36402 Pressure Arm Assembly	29	USLH26-C Housing Insert
7	UGP36402B Tension Knob	30	UT5022 Gun Plug Housing Assembly
8	UGP36402R Pressure Roll	31	UB1526 Gun Plug Screw
9	UGP36001 Motor Body	32	UB1519/S Gun Plug Nut
10	UB5041 Water Hose Clamp 8.7MM	33	UB1522 Cable Terminal Male
15	UG3208 Handle Cable Support	34	UB5024 Water Hose Clamp 9.5MM
16	UGP36419-80 Canvas Cover Assembly	35	UGP3608C Power Fitting
17	UCSP1 Handle Screw	36	UB1523 Gun Plug Terminal Female
18	UGP2514/KJ Push Pull Handle	37	UGP1528 A/C Gun Plug Body Assembly
19	UGP2514/C Push Pull Handle Cover	38	UB1524 Gun Plug 'O' Ring
20	UGP0807-1 Potentiometer Kit 1K	39	UB1525 Liner Nut
	UGP0807-5 Potentiometer Kit 5K		
	UGP0807-10 Potentiometer Kit 10K		
	UGP0807-25 Potentiometer Kit 25K		
21	UGP2516 Trigger		
22	UGPMS1 Motor Screw		
23	UGP8224W-08 Drive Roll For Wire 0.8		
	UGP8224W-09 Drive Roll For Wire 0.9		
	UGP8224W-10 Drive Roll For Wire 1.0		
	UGP8224W-12 Drive Roll For Wire 1.2		
	UGP8224W-16 Drive Roll For Wire 1.6		

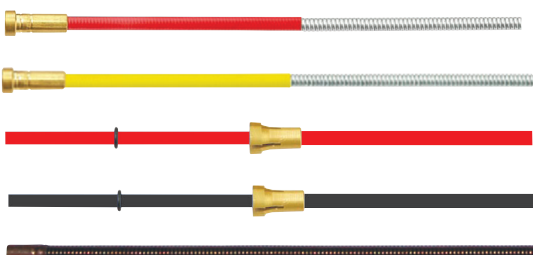


Cable Parts		
Description	Part Number	8M
11	Outer Liner Assembly	UGP36408-80
12	Gas Hose Assembly	UGP36413-80
13	Power Cable Assembly	UGP36015-80
14	Switch Lead Assembly	UGP36410-80

Front end consumables



Liners



SGPPL36 Contact Tips

Part Number	Description	QTY10
PCT0009-06	Contact Tip Steel (0.6mm)	QTY10
PCT0009-08	Contact Tip Steel (0.8mm)	QTY10
PCT0009-09	Contact Tip Steel (0.9mm)	QTY10
PCT0009-10	Contact Tip Steel (1.0mm)	QTY10
PCT0009-12	Contact Tip Steel (1.2mm)	QTY10
PCT0009-16	Contact Tip Steel (1.6mm)	QTY10
PCTAL0009-09	Contact Tip Aluminium (0.9mm)	QTY10
PCTAL0009-10	Contact Tip Aluminium (1.0mm)	QTY10
PCTAL0009-12	Contact Tip Aluminium (1.2mm)	QTY10
PCT0005-08	Contact Tip Steel M8 (0.8mm)	QTY10
PCT0005-09	Contact Tip Steel M8 (0.9mm)	QTY10
PCT0005-10	Contact Tip Steel M8 (1.0mm)	QTY10
PCT0005-12	Contact Tip Steel M8 (1.2mm)	QTY10
PCT0005-16	Contact Tip Steel M8 (1.6mm)	QTY10
PCTAL0005-08	Contact Tip Aluminium M8 (0.8mm)	QTY10
PCTAL0005-09	Contact Tip Aluminium M8 (0.9mm)	QTY10
PCTAL0005-10	Contact Tip Aluminium M8 (1.0mm)	QTY10
PCTAL0005-12	Contact Tip Aluminium M8 (1.2mm)	QTY10
PCTAL0005-16	Contact Tip Aluminium M8 (1.6mm)	QTY10

SGPPL36 Tip Holder M6

Part Number	Description	QTY2
PCTH36M6S	Contact Tip Holder M6 (Short)	QTY2
PCTH36M6L	Contact Tip Holder M6 (Long)	QTY2

SGPPL36 Tip Holder M8

Part Number	Description	QTY2
PCTH36M8S	Contact Tip Holder M8 (Short)	QTY2
PCTH36M6L	Contact Tip Holder M6 (Long)	QTY2

SGPPL36 Gas Diffuser

Part Number	Description	QTY2
PCGD36	Gas Diffuser	QTY2

SGPPL36 Gas Nozzle

Part Number	Description	QTY2
PGN36CYL	Cylindrical Nozzle	QTY2
PGN36CON	Conical Nozzle	QTY2
PGN36TAP	Tapered Nozzle	QTY2

SGPPL36 Liners

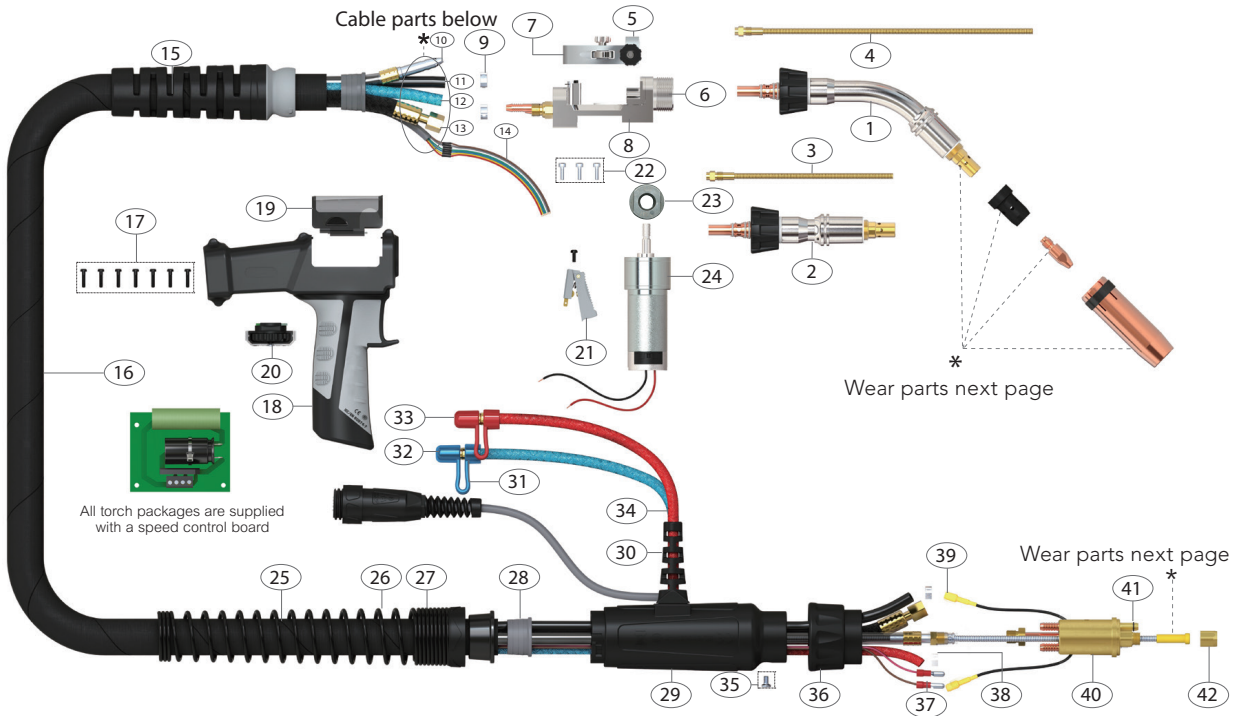
Part Number	Description	
PB2524-80B	Red Steel Liner 8 Metre	0.9 - 1.2mm
PB2513-80	Red Plastic Liner 8 Metre	1.0 - 1.2mm
PB3626-80	Yellow Plastic Liner 8 Metre	1.2 - 1.6mm
NKSTL	Neck Spring for Aluminium	

These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.



400A Water-Cooled MIG Welding Torch

Rating: 400A CO2 350A mixed gas, EN60974-7 @ 100% duty cycle. 1.0 to 1.6mm wires



Torch Model

Description

Part Number
8Mt

400 PUSH PULL WATERCOOLED MIG TORCH

PPLUWC40-42V-8M (includes PCB)

Spare Parts

Part Number	Description	Part Number	Description
1	UGP4011 Swan Neck Assembly 45	25	UC8027 Housing Spring
2	UGP4011A Straight Neck Assembly	26	UT8028 Spring Cable Support Nut
3	UGP4002 Jump Liner C/W Nipple	27	UT8009 Canvas Cover Clamp
4	UGP4002A Jump Liner C/W Nipple	28	UT8010 Canvas Cover Retainer
5	UGP36402 Pressure Arm Assembly	29	UT5022 Gun Plug Housing Assembly
6	UGP36402B Tension Knob	30	USLH1820-S Inlet/Outlet Hose Support
7	UGP36402R Pressure Roll	31	UB5023 Water Hose Nipple
8	UGP40101 Motor Body	32	UBD-80310 Blue Cap Stopper
9	UB5041 Water Hose Clamp 8.7MM	33	UBD-80320 Red Cap Stopper
15	UG3208 Handle Cable Support	34	US5017 Water Outlet Hose O/braid Rubber
16	UGP36419-80 Canvas Cover Assembly	35	UB1526 Gun Plug Screw
17	UCSP1 Handle Screw	36	UB1519/S Gun Plug Nut
18	UGP2514/KJ Push Pull Handle	37	UB1522 Cable Terminal Male
19	UGP2514/C Push Pull Handle Cover	38	UB5024 Water Hose Clamp 9.5MM
20	UGP0807-1 Potentiometer Kit 1K	39	UB1523 Gun Plug Terminal Female
	UGP0807-5 Potentiometer Kit 5K	40	UB5098 Gun Plug Body C/W Spring Pins
	UGP0807-10 Potentiometer Kit 10K	41	UB1524 Gun Plug 'O' Ring
	UGP0807-25 Potentiometer Kit 25K	42	UB1525 Liner Nut
21	UGP2516 Trigger		
22	UGPMS1 Motor Screw		
23	UGP8224W-08 Drive Roll For Wire 0.8		
	UGP8224W-09 Drive Roll For Wire 0.9		
	UGP8224W-10 Drive Roll For Wire 1.0		
	UGP8224W-16 Drive Roll For Wire 1.6		
	* UGP8224W-12 Drive Roll For Wire 1.2		
24	UGP8224-24 Motor 24V DC		
	UGP8224-42 Motor 42V DC		

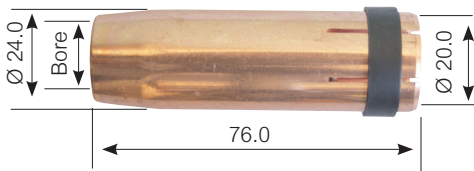
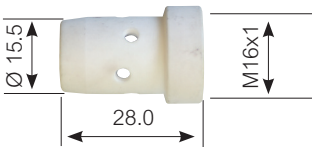
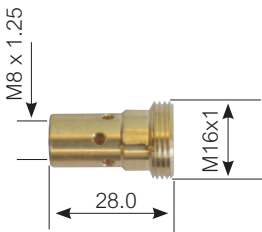
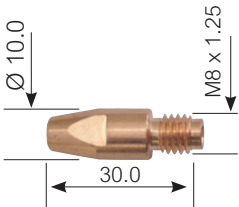


Cable Parts

Description	Part Number
10 Outer Liner Assembly	UGP36408-80
11 Gas Hose Assembly	UGP36413-80
12 Water Inlet Hose Assembly	UGP40112-80
13 Power Cable Assembly	UGP40115-80
14 Switch Lead Assembly	UGP36410-80



Front end consumables



SGPPLW400 Contact Tips M8

Part Number	Description	QTY
PCT0005-08	Contact tip M8 Steel Wire (0.8mm)	QTY10
PCT0005-09	Contact tip M8 Steel Wire (0.9mm)	QTY10
PCT0005-10	Contact tip M8 Steel Wire (1.0mm)	QTY10
PCT0005-12	Contact tip M8 Steel Wire (1.2mm)	QTY10
PCT0005-16	Contact tip M8 Steel Wire (1.6mm)	QTY10
PCTAL0005-09	Contact tip M8 Alloy Wire (0.9mm)	QTY10
PCTAL0005-10	Contact tip M8 Alloy Wire (1.0mm)	QTY10
PCTAL0005-12	Contact tip M8 Alloy Wire (1.2mm)	QTY10
PCTAL0005-16	Contact tip M8 Alloy Wire (1.6mm)	QTY10

SGPPLW400 Tip Holder

Part Number	Description	QTY
PCTH500	Tip Holder M8 SB500	QTY2

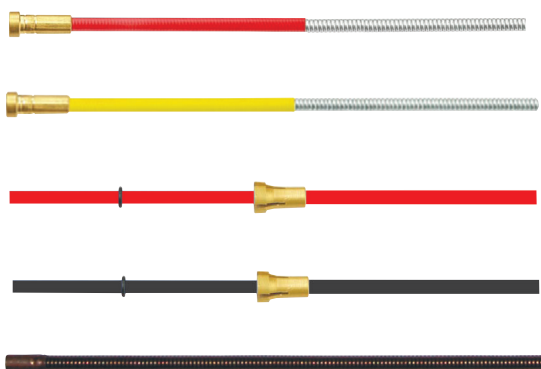
SGPPLW400 Gas Diffuser

Part Number	Description	QTY
PCGD38	Gas Diffuser (Suit SB38)	QTY2

SGPPLW400 Gas Nozzle

Part Number	Description	QTY
PGN38CON	Gas Nozzle Conical	QTY2
PGN38CYL	Gas Nozzle Cylindrical	QTY2
PGN38TAP	Gas Nozzle Tappered	QTY2

Liners



SGPPLW400 Liners

Part Number	Description	Wire Size
PB5033-80B	Steel Liner 8 Metre	1.0 - 1.2mm
PB2513-80	Red Plastic Liner 8 Metre	0.9 - 1.2mm
PB5034-80B	Steel Liner 8 Metre	1.2 - 1.6mm
PB3626-80	Yellow Plastic Liner 8 Metre	1.2 - 1.6mm
NKSTL	Neck Spring for Aluminium	

These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

P-TRONIC 100

Plasma - 100 Amp Plasma Cutter

Cuts: Steels, Stainless, Aluminium.



100 Amp - 35mm Cut on Mild Steel 415V Industrial Rated Plasma Cutter

Features

- Input air pressure regulator, integrated on the front panel of the system
- Continuous adjustment of cutting current
- Start arc with special pneumatic cycle system to avoid disturbing other equipment
- Post-gas function for effective cooling of the cutting torch
- Automatic shutdown of the Gas for a quick Post re-restart the arc
- Safety contacts on the head of the torch, to ensure removal of parts safely
- Special Cycle for cutting sheet metal grills
- Special Cycle for gouging
- Control pilot arc less than 10 A, to facilitate the cutting of the overlapped sheets



Technical Data

MODEL	P-TRONIC 100	
CODE	V0059AA	
POWER SUPPLY	415 - 3 +/- 15%	
PRIMARY CURRENT I1 MAX	21.5A	
PRIMARY CURRENT I1 EFF.	15A	
PROTECTION CLASS	IP21S	
DIMENSION (mm)	345X610X600	
WEIGHT Kg	44 Kg	
MIN.-MAX. SECONDARY CURRENT	20A/88V-100A/120V	
OUTPUT CURRENT I2	60% 100A	100% 75A
OUTPUT VOLTAGE V2	60% 120V	100% 110V
MAX NO LOAD VOLTAGE U0	310V	



50505-48
Sub-Micronic Cartridge
Option



50500-12
Sub-Micronic Air Filter
Option



51864
Circle Cutting Kit
Option

Overview

Source inverter professional, portable three phase 415Vac, for cutting with plasma arc process, equipped with a special system of pneumatic start the arc. The P-tronic 100 is equipped with a plasma cutting torch PT100 6m, with plug for quick connection to the source. With this source you can choose between three different types of cycle: cycle standard cutting cycle gouging (includes the use of parts specific to this case) and special cycle for the cutting of sheet metal grills. Excellent cut quality on mild steel sheets, galvanized steel, stainless steel, aluminum and copper. Connect directly to any compressed air source,

Product Code: TRPC100P

Standard option includes: P-TRONIC 100 Machine, PT100 Torch 6m, Earth Lead 4m,



RAZOR MIG 205 SMART SET

MIG/TIG/MMA - 205 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



Features

- New 40 KHz IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
 - Smart Set Synergic programs for 0.8 / 0.9 Mild Steel
 - Soft Start - Self Adaptive Crater Fill
 - Wire Inch
- MMA function (Stick electrode)
 - VRD (Voltage Reduction Device)
 - Hot start (improves electrode starting)
 - Adjustable Arc Force
- DC TIG
 - Lift Arc ignition (prevents tungsten sticking during arc ignition)
 - 2T 4T Trigger Control
 - Adjustable Downslope
- Internal wire feeder, gear driven for up to 200mm Ø spool
- Euro style MIG & TIG torch connection
- IP21S rating for environmental/safety protection
- Tolerant to variable power supply
- Spool Gun Connection



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974	20% @ 200 Amps MIG 35% @ 200 Amps TIG 15% @ 200 Amps MMA
Output Current Range MIG	30A/15.5V - 200A/24.0V
Output Current Range TIG	10A/10.4V - 200A/18.0V
Output Current Range MMA	10A/20.4V - 200A/28.0V
Rated Power MMA	9.4 KVA
I Max	MIG 33.6 Amps TIG 25.2 Amps MMA 39.0 Amps
I _{eff}	MIG/TIG/MMA 15.0 Amps
Power factor	0.70
Protection Class	P 21S
Insulation Class	F
Dimensions Power Source (LxWxH)	470x190x380mm
Weight Power Source	12.5 Kg
Warranty	3 years on power source



RAZOR MIG205SS OPTIONS



240A SpoolGun
Part No.
PLSP240A-24-P1-60ER



SRE26 Euro Connect
TIG Torch
Part No. SRE26-4M



RAZOR BAG
Part No.
RAZOR MIG200 BAG-1

Overview

The Razorweld Series MIG205-SS is a new inverter-based portable MIG/MMA/TIG Welding machine with Synergic Programs for 0.8mm and 0.9mm solid welding wires. The MIG function allows you to weld with both Gas Shielded and Gasless wire applications giving excellent, professional welding results. Easy step-less adjustment of voltage and wire feed coupled with integrated digital meters allows easy setting of welding parameters. The MIG 205SS features Smart set welding with four Synergic Mild Steel welding programs designed for ease of use with your selected gas mixture. The operator selects the gas mixture and wire diameter they are using then simply start welding. Once this is done the operator can make fine adjustments to the voltage for even greater control of the weld pool. The added Lift-Arc DC TIG capability delivers perfect arc ignition every time and a remarkably smooth stable arc produces high quality TIG welds. TIG functionality includes adjustable Down Slope & Post Gas as well as being gas solenoid-valve equipped. The stick welding (MMA) capability delivers easy electrode welding with high quality results, including cast iron, stainless and low hydrogen. An additional feature is the Spool gun ready function that allows the simple connection of the SPGRW200II Spool Gun for the use of thin or softer wires that don't have the column strength to feed through standard MIG torches, such as aluminum wire. This is an industrial quality machine that is extremely lightweight and portable. Being 240v single phase gives great versatility. Ideal for general engineers, maintenance workshop, rural workshop, panel beaters and home workshop. Designed and built to our specification. Certified to - AS/NZ60974.1

Product Code: KUMJRRW205SSMIG

Package includes: MIG205SS Welding Machine, SB25 MIG Torch x 4m, Argon Regulator, Earth Lead & Arc Lead 25mm x 4m, Gas hose with quick connect fitting.



RAZOR DIGITAL 315 AC/DC TIG/MMA - Digital Inverter Welder



Welds: Aluminium, Magnesium, Zinc Alloys, Steels, Stainless, Cast Iron, Bronze, Copper

- Latest IGBT Inverter Technology
- AC/DC HF TIG/MMA Function
- 2T/4T 2S/4S Trigger Select
- AC Square Wave • AC Balance Control
- Pulse Control
- Pulse Width Control • Base Current Control
- Up Slope / Down Slope Control
- Pre Gas / Post Gas Control
- Arc Ignition Current Control
- Arc Ignition Time Set Control
- Arc Force Select
- Remote Amperage Control
- Job Memory / Recall

Technical Data

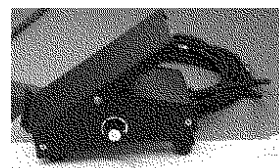
Power Supply / Phases (V-Ph)	415V - 3 ±15%
Rated input capacity (KVA)	9
Rated Input Power (KW)	8.4
ieff (Amps)	13
imax (Amps)	19
Rated Output (A/V)	315/22.6 TIG 250/30 MMA
No-Load Voltage (V)	45
Duty Cycle @ 40°C as per AS/NZ60974-1	20% @ 315Amps TIG 60% @ 230Amps MMA
Power Factor	0.93
Protection Class	IP21S
Insulation Class	B
Cooling Mode	Forced air cooling

Parameters in MMA (DC, AC)

Welding current range (A)	DC: 10~250 / AC 20~250
Arc ignition range (A)	DC: 10~300 / AC 20~300
Arc force current range (A)	0~100
AC frequency (Hz)	50

Parameters in TIG (DC, DC pulsed, AC, AC pulsed)

Start current range (A)	DC: 10~320 / AC: 20~250
Peak current range (A)	DC: 10~320 / AC: 20~320
Base current range (A)	DC: 10~320 / AC: 30~320
Finish current range	DC: 10~320 / AC: 20~250
DC pulse frequency range (Hz)	0.5~200
DC pulse duty (%)	10~90
AC frequency range (Hz)	20~70
AC balance	10~60
AC pulse frequency range (Hz)	0.5~5.0
AC pulse duty (%)	10~90
Upslope time (s)	0~60
Downslope time (s)	0~60
Pre-flow time (s)	0~15.0
Post-flow time (s)	2.0~20.0
Arc ignition mode	Contact arc ignition, HF arc ignition
Size (mm)	590x375x380
Weight (kg)	33Kg
Warranty	3 years on power source
Certification Approval	AS/NZ60974-1



UTJRFC-3
Remote Foot Control Option



UTJRTROLLEY
Trolley Option

Overview

The RAZOR315AC/DC is a Digital Controlled square wave AC/DC TIG inverter welder with full TIG functionality that offers simple step by step digital setting of functions and parameters providing you with complete professional control. HF arc ignition provides pre gas with instant arc ignition leaving no tungsten inclusion or contamination of the tungsten electrode. Digital set of Pre Gas Time, Start Current, Up Slope and Down Slope Time, Finish Current Level and Post Gas Time with the choice of 2T or 4T trigger function allows controlling the start and finish of the weld process at a professional level. Digital Pulse Frequency Control gives full parameter setting of Peak Current, Base Current, Pulse Frequency and Pulse Width, allowing control of heat input into the work for penetration control and minimising distortion. AC Square Wave with Balance Control gives maximum control of the electron flow at the tungsten allowing to set the AC TIG arc for maximised cleaning of the oxide layer on aluminium to adjustment for a deeper penetrating weld. Combined functions of the RAZOR315AC/DC ensures comprehensive control of welding parameters when welding AC and DC weldable materials to produce high quality Tig welds. Our unique Torch Remote Control Interface provides remote amperage control from the torch in both static and live welding modes. The DC MMA welding function delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen. The added bonus of Arc Ignition and Arc Force control allows you to set the ideal arc condition no matter what electrode you choose. The RAZOR315AC/DC has raised the benchmark for 415V three phase AC/DC welders making it ideal for multiple applications; aluminium & stainless steel fabrication and repair and maintenance applications. Built to our specification and manufactured in compliance to AS/NZ60974-1

MACHINE PACKAGE: KUMJRRW315AC/DC

Standard option includes: RAZOR315AC/DC Machine, SR26 TIG Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, UNI-FLAME Argon Regulator, 2M Gas Hose with fittings



MMA/TIG - 140Amp DC Welding Machine Small, Lightweight and Port

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



KUMJRRW140CA

3 YEARS Warranty
(Power Source)

Features

- Latest IGBT inverter technology
- MMA (stick electrode)
- Hot start (improves electrode starting)
- VRD (Voltage Reduction Device)
- Arc Force
(boosts current to prevent electrode extinguishing)
- Excellent arc stability with all electrodes
- DC TIG
- Lift Arc ignition
(prevents tungsten sticking during arc ignition)
- Ultra smooth DC TIG welding current
- Thermal overload protection
- Generator compatible
(recommend 7.0 KVA minimum)
- Tolerant to variable power supplies



Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	7
I _{eff}	9.7A MMA / 9.7A TIG
I _{max}	25A MMA
Rated Output	140A/25.6V MMA 140A/15.6V TIG
Welding Current Range	10~140A
No-Load Voltage (V)	9V
Duty Cycle @ 40°C as per AS/NZ60974-1	15%@140Amps MMA 35%@140Amps TIG
Protection Class	IP21
Insulation Class	F
Size (mm)	313 x 250 x 130
Weight (kg)	4.7
Warranty	3 years on power source

ARC140CA Standard option

- MMA-TIG 140DC
- ARC LEAD SET 4M
- PVC CARRY CASE

ARC140CT TIG Option

- MMA-TIG 140DC
- ARC LEAD SET
- ARGON REGULATOR
- 17V TIG TORCH 4M
- PVC CARRY CASE



Overview

The ARC140 is an inverter-based welding machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality welder. The DC MMA welding capability delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless and low hydrogen. The ARC140 is equipped with DC Lift Arc function, connection of the 17V TIG torch allows quality DC TIG welding of steel, stainless steel, bronze and copper. The Lift Arc function is superb and delivers perfect arc ignition every time without any sticking of the tungsten electrode to the work piece, a remarkably smooth stable arc produces high quality TIG welds. The ARC140 is an exceptional machine that is suitable for a wide range of applications including light industrial use, site welding, farming, along with repair and maintenance applications. The Arc140 is packaged in a tough PVC carry case with your choice of MMA option accessories or MMA/TIG option accessories. The-ARC140 gives you the best of both worlds great portability, with the power to get the job done. Built to our specification and manufactured in compliance to AS/NZ60974.1

Product Code: KUMJRRW140CA

MMA option includes: ARC140 Machine, Earth Lead & Arc Lead 16mm x 4m, PVC Carry Case

Product Code: KUMJRRW140CT

TIG option includes: ARC140 Machine, Earth Lead & Arc Lead 16mm x 4m, 17V x 4m TIG Torch, Argon Regulator and PVC Carry Case

MMA/TIG - 180Amp DC Welding Machine Small, Lightweight and Port

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



KUMJRRW180CA

3 YEARS Warranty
(Power Source)

Features

- Latest IGBT inverter technology
- MMA (stick electrode)
- Hot start (improves electrode starting)
- VRD (Voltage Reduction Device)
- Arc Force
(boosts current to prevent electrode extinguishing)
- Excellent arc stability with all electrodes
- DC TIG
- Lift Arc ignition
(prevents tungsten sticking during arc ignition)
- Ultra smooth DC TIG welding current
- Thermal overload protection
- Generator compatible
(recommend 9.0 KVA minimum)
- Tolerant to variable power supplies



Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	9
I _{eff}	15.3A MMA / 15.3A TIG
I _{max}	34.3A MMA / 21.7A TIG
Rated Output	180A/27.2V MMA 180A/17.2V TIG
Welding Current Range	10~180A
No-Load Voltage (V)	9V
Duty Cycle @ 40°C as per AS/NZ60974-1	20%@180Amps MMA 20%@180Amps TIG
Protection Class	IP21
Insulation Class	F
Size (mm)	313 x 250 x 130
Weight (kg)	4.7
Warranty	3 years on power source

ARC180CA Standard option

- MMA-TIG 180DC
- ARC LEAD SET 4M
- PVC CARRY CASE

ARC180CT TIG Option

- MMA-TIG 180DC
- ARC LEAD SET
- ARGON REGULATOR
- 17V TIG TORCH 4M
- PVC CARRY CASE



Overview

The ARC180 is an inverter-based welding machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality welder. The DC MMA welding capability delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless and low hydrogen. The ARC180 is equipped with DC Lift Arc function, connection of the 17V TIG torch allows quality DC TIG welding of steel, stainless steel, bronze and copper. The Lift Arc function is superb and delivers perfect arc ignition every time without any sticking of the tungsten electrode to the work piece, a remarkably smooth stable arc produces high quality TIG welds. The ARC180 is an exceptional machine that is suitable for a wide range of applications including light industrial use, site welding, farming, along with repair and maintenance applications. The Arc180 is packaged in a tough PVC carry case with your choice of MMA option accessories or MMA/TIG option accessories. The-ARC180 gives you the best of both worlds great portability, with the power to get the job done. Built to our specification and manufactured in compliance to AS/NZ60974.1

Product Code: KUMJRRW180CA

MMA option includes: ARC180 Machine, Earth Lead & Arc Lead 16mm x 4m, PVC Carry Case

Product Code: KUMJRRW180CT

TIG option includes: ARC180 Machine, Earth Lead & Arc Lead 16mm x 4m, 17V x 4m TIG Torch, Argon Regulator and PVC Carry Case

RAZOR CUT 45

Plasma - 45 Amp Inverter Plasma Cutter

Cuts: Steels, Stainless, Cast Iron, Brass, Copper. Aluminium



Razorweld™

45 Amp - 16mm Cut on Mild Steel 240v Inverter with Power Factor Correction Industrial Rated, Lightweight and Portable

Features

- Latest IGBT Inverter Technology
- Safe Euro torch connection
- High quality SC80 Plasma torch
- Industrial application
- Tolerant to variable power supply
- In-built Air Regulator with preset air pressure
- Suitable to cut all electrically conductive materials
- Light weight and compact
- Strong metal housing, with plastic front and rear covers
- Generator use with pure sine wave generator only



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C	25% @ 45Amps
Rated Power (KVA)	5.50
imax (A)	29.2
ieff (A)	15
Output Current Range (A) Plasma	20-45
Rated Output Voltage (V)	98
Insulation Class	F
Protection Class	IP21S
Plasma Arc Starting	Piolt L/F
Air Flow Pressure (MPA)	0.5 (75 psi)
Air Flow Rate l/min	189
Cutting Thickness - Clean (mm)	16
Cutting Thickness - Severance (mm)	20
Dimensions (mm)	410 x 165 x 330
Weight (Kgs)	9.8
Warranty	2 years machine only
Certification Approval	AS/NZS 60974-1



50505-48
Sub-Micronic Cartridge
Option



50500-12
Sub-Micronic Air Filter
Option

Overview

The RAZORCUT45 is an inverter-based Plasma cutting machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality Plasma Cutter. The RAZORCUT45 produces a high temperature plasma stream providing effortless cutting of all electrically conductive materials including steel, cast Iron, stainless steel, copper, aluminium brass etc. The RAZORCUT45 is equipped with a high quality SureGrip SC80 Plasma torch with Euro connection, developed specifically to enhance and improve the cut quality of the RAZORCUT45 machine. Connection of the SC80 Plasma torch provides effortless starting of the cut with powerful, fast and accurate cutting capability, additional is the benefit of longer life cycle consumable electrodes and cutting tips. The RAZORCUT45 is an exceptional machine that is suitable for a wide range of applications including sheet metal fabrication, light industrial use, site work, automotive, ducting work, repair and maintenance services. The RAZORCUT45 is packaged with a tough SureGrip SC80 Plasma torch, earth lead and air regulator. The RAZORCUT45 gives you the best of both worlds great portability, with the power to get the job done. Built to our specification and manufactured in compliance to AS/NZS 60974-1

Product Code: KUPJRRW45

Standard Package includes: RAZORCUT45 Machine, SC80 x 6m Plasma Torch, Earth Lead 4m, gas connection fitting



RAZOR CUT 80

Plasma - 80 Amp Inverter Plasma Cutter

Cuts: Steels, Stainless, Cast Iron, Brass, Copper. Aluminium

UNIMIG
RazorCut
PLASMA CUT80

80 Amp - 30mm Cut on Mild Steel 415v Inverter Plasma Cutter Industrial Rated, Lightweight and Portable

Features

- Latest IGBT Inverter Technology
- CNC Connection
- Safe Euro torch connection
- High quality SC80 6 Metre Plasma torch
- Industrial application
- Tolerant to variable power supply
- In-built Air Regulator with preset air pressure
- Suitable to cut all electrically conductive materials
- Light weight and compact
- Strong metal housing, with plastic front and rear covers
- Generator use with pure sine wave generator only



Technical Data

Power Supply / Phases (V-Ph)	415 - 3 +/- 15%
Duty Cycle @ 104°F	40% @ 80Amps
Rated Power (KVA)	22
imax (A)	20
ieff (A)	12.6
Output Current Range (A) Plasma	20-80
Rated Output Voltage (V)	340
Insulation Class	F
Protection Class	IP21S
Plasma Arc Starting	Pilot L/F
Air Flow Pressure (MPa)	0.5 (75 psi)
Air Flow Rate l/min	189
Cutting Thickness - Clean (mm)	30
Cutting Thickness - Severance (mm)	35
Dimensions (mm)	560 x 220 x 415
Weight (Kgs)	16
Warranty	2 years machine only
Certification Approval	AS/NZS 60974-1



SC8050
Circle Cutting Kit
Option



50505-48
Sub-Micronic Cartridge
Option



50500-12
Sub-Micronic Air Filter
Option

Overview

The RAZORCUT80 is an inverter-based Plasma cutting machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality Industrial Plasma Cutter. The RAZORCUT80 produces a high temperature plasma stream providing effortless cutting of all electrically conductive materials including steel, cast iron, stainless steel, copper, aluminium brass etc. The RAZORCUT80 is equipped with a high quality SureGrip SC80 Plasma torch with Euro connection, developed specifically to enhance and improve the cut quality of the RAZORCUT80 machine. Connection of the SC80 Plasma torch provides effortless starting of the cut with powerful, fast and accurate cutting capability, additional is the benefit of longer life cycle consumable electrodes and cutting tips. The RAZORCUT80 is an exceptional machine that is suitable for a wide range of applications including Industrial use, sheet metal fabrication, site work, automotive, ducting work, repair and maintenance services. The RAZORCUT80 gives you the best of both worlds great portability, with the power to get the job done. Built to our specification and manufactured in compliance to AS/NZS 60974-1

Product Code: KUPJRRW80

Standard Package includes: RAZORCUT80 Machine, SC80 x 6m Plasma Torch, Earth Lead 4m, gas connection fitting



PROTECTIVE SAFETY WEAR

Automatic Welding Helmets

4 Arc Sensors

Maintain constant sensing and automatically switches the helmet from light to dark and back again.

Enhanced Viewing Area

Offers a larger viewing area for the operator. This larger viewing area enhances the operators view of the welding area

True Colour

High Definition Filter Technology is a feature that greatly improves the optics allowing the user to see a full spectrum of colours. It also helps to alleviate eye fatigue making it safer for extended periods of welding.

Operator Comfort

Lightweight Design makes wearing the welding helmet more comfortable for the operator.

Memory Function

Allows the operator to store different shade, sensitivity and delay options into three easily accessible pre-sets.

Grind Mode

Allows the operator to switch the helmet from the welding mode into a fixed shade for grinding. This function removes the need for the operator to change visors and to simply use the welding helmet for grinding when required.

Shade Control

Automatic Welding Lens allows the operator to switch between variable welding shades from 5-9 and 9-13. The switching speed of the lens is a very fast 0.04m/s from light to dark.



FITTED WITH TRUE COLOUR LENS

Helmet Specifications

Filter dimension	133 x 114 x 10mm
View size	100 x 83.4mm
Classification	1/2/1/1
Sensors	4
Light state	4
Dark state	Variable shade 5-9/9-13
Power control	Fully automatic
Shade control	Internal
Switching time at 23°C	0.04ms
Sensitivity & Delay time control	Adjustable (internal)
Time from dark to light	0.1-0.9s adjustable (internal)
Grinding function	Yes
Grinding warning flash	Yes
Low battery Warning indicator	Yes
Operation temperature	-10°C - 65°C
Storing temperature	-20°C - 85°C
Power supply	Solar cell, replaceable battery (CR2450*1PCS)
Certifications approved	CE, ANSI, CSA, AS/NZS



UNIMIG HELMET- UMRWXWH

Part-No	Description
UMRWXWH	RWX6000 Automatic Welding Helmet
UMRBOP	Front Cover Lens 133 x 114mm
UMRWXIP	Inside Cover Lens 105 x 89mm



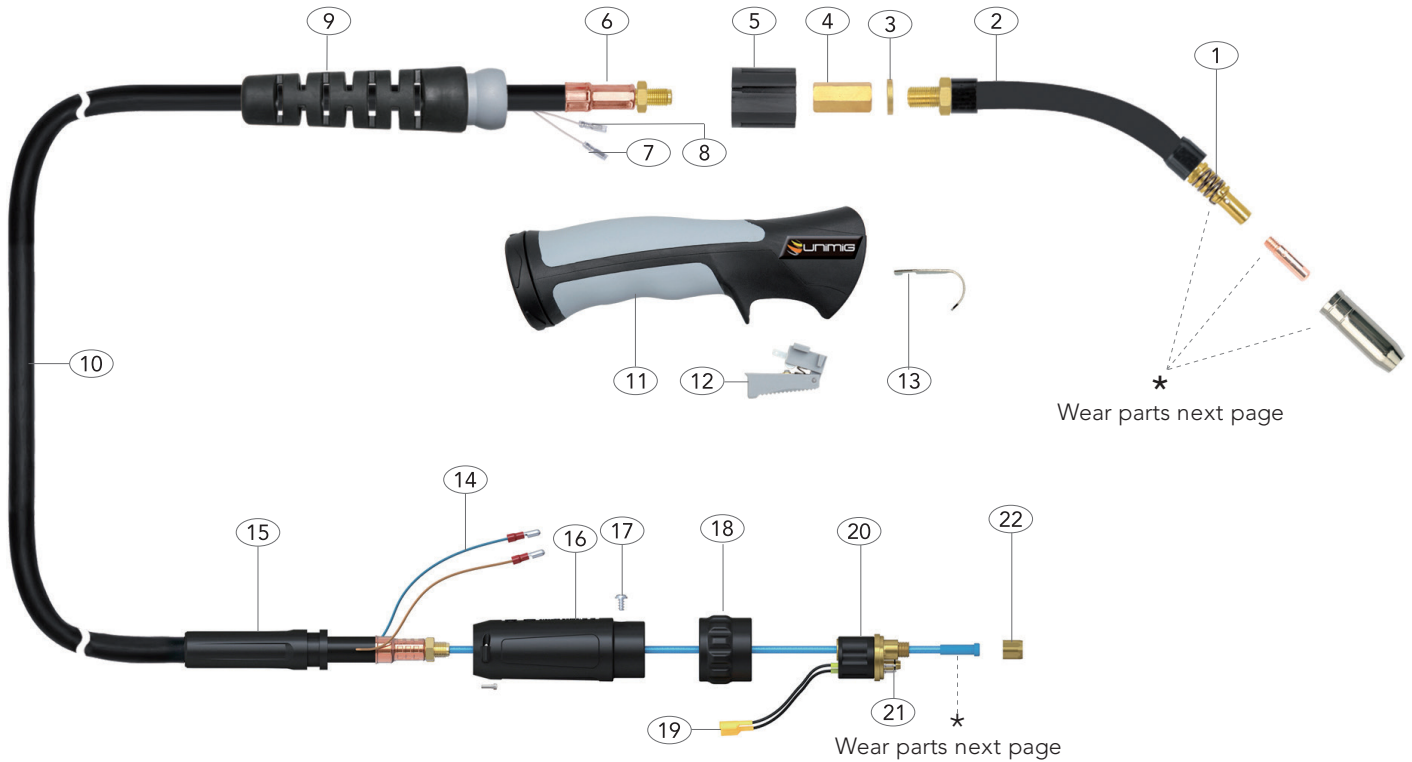
Suregrip Series

SB15 MIG TORCH



180A AIR COOLED MIG WELDING TORCH

Rating: 180A CO₂ 150A mixed gas EN60974-7 @ 60% duty cycle. 0.6 to 1.0mm wires



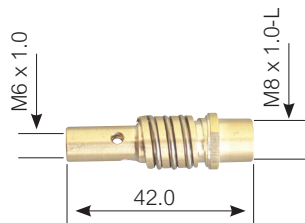
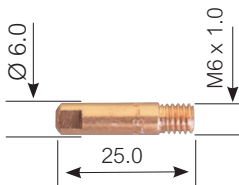
Torch Model			
Description	Part Number		
	3 Mt	4 Mt	5 Mt
SB Suregrip Ergo Torch Package	SB15-3M	SB15-4M	SB15-5M

Spare Parts					
Part Number	Description	Part Number	Description	Part Number	Description
1	GNS15	Shroud Spring	11	UG2514	Ergo Handle Kit C/W Lock Nut
2	SNK15	Swan Neck Assembly	12	UG2516	Medium / Large Ergo Trigger
	SNKF15	Flexible Swan Neck	13	UB2517	Hanger Hook
3	UB2501/5	End Fitting Ring	14	UB1522	Cable Terminal Male
4	UB2519	Hexagonal Fitting	15	UPA2041	Cable Support
5	UG1515	Ergo Handle Location Body	16	UB1518	Gun Plug Housing C/W Nut
6	UB1505	Lock Nut	17	UB1541	Gun Plug Screw
7	UB1521	Cable Terminal	18	UB1519PL	Gun Plug Nut
8	UB1521-C	Cable Terminal Cover	19	UB1523	Gun Plug Terminal Female
9	UG8015	Handle Cable Support C/W Ball Joint	20	UC1528	Hybrid Gun Plug Body C/W Spring Pins
10	UB1517-30	Hyperflex Cable Assembly x 3mt	21	UB1524	Gun Plug 'O' Ring
	UB1517-40	Hyperflex Cable Assembly x 4mt	22	UB1525	Liner Nut
	UB1517-50	Hyperflex Cable Assembly x 5mt			

Suregrip Series SB15 MIG TORCH



Front end consumables



SB15 Contact Tips

Part Number	Description	QTY
PCT0008-06	Contact Tip Steel (0.6mm)	QTY10
PCT0008-08	Contact Tip Steel (0.8mm)	QTY10
PCT0008-09	Contact Tip Steel (0.9mm)	QTY10
PCT0008-10	Contact Tip Steel (1.0mm)	QTY10
PCTAL0008-09	Contact Tip Aluminium (0.9mm)	QTY10
PCTAL0008-10	Contact Tip Aluminium (1.0mm)	QTY10

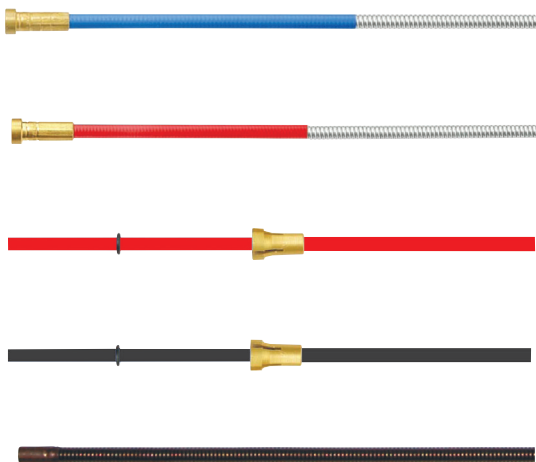
SB15 Tip Holder

Part Number	Description	QTY
PCTH15	Contact Tip Holder (Suit SB15)	QTY2
PGNS15	Shroud Spring	QTY2

SB15 Gas Nozzle

Part Number	Description	QTY
PGN15CYL	Cylindrical Nozzle	QTY2
PGN15CON	Conical Nozzle	QTY2
PGN15TAP	Tapered Nozzle	QTY2
PGN15SPOT	Spot Nozzle	QTY2

Liners



SB15 Liners

Part Number	Description	QTY
SLB3M	Blue Steel Liner 3 Metre	} 0.6 - 0.8mm
SLB4M	Blue Steel Liner 4 Metre	
SLB5M	Blue Steel Liner 5 Metre	
SLR3M	Red Steel Liner 3 Metre	} 0.9 - 1.2mm
SLR4M	Red Steel Liner 4 Metre	
SLR5M	Red Steel Liner 5 Metre	
TLB3M	Blue Aluminium Liner 3 Metre	} 0.6 - 0.8mm
TLB4M	Blue Aluminium Liner 4 Metre	
TLR3M	Red Aluminium Liner 3 Metre	} 0.9 - 1.2mm
TLR4M	Red Aluminium Liner 4 Metre	
NKSTL	Neck Spring for Aluminium	

These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

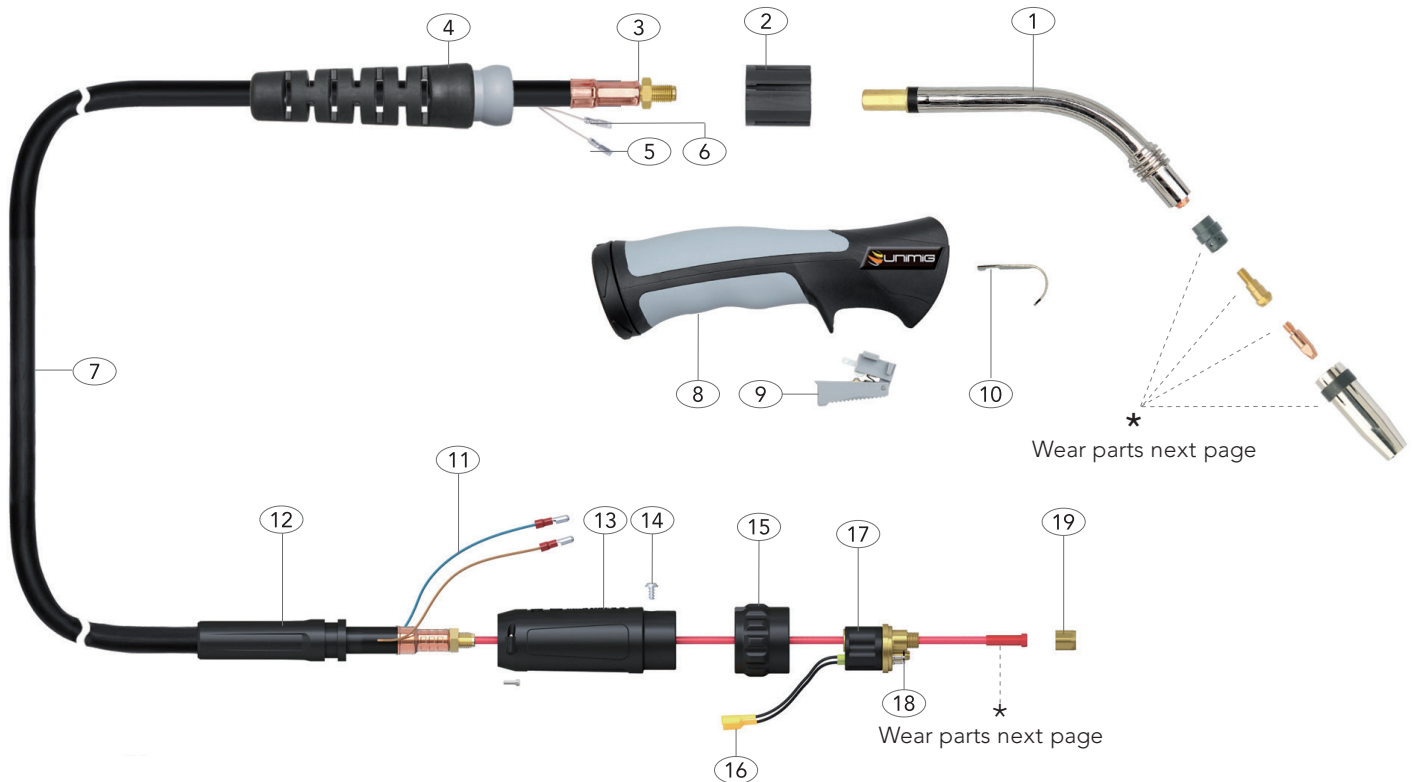
Suregrip Series

SB24 MIG TORCH



250A AIR COOLED MIG WELDING TORCH

Rating: 250A CO² 220A mixed gas EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



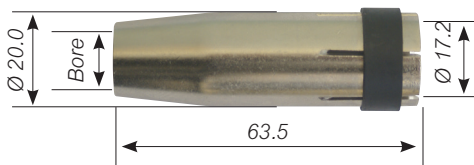
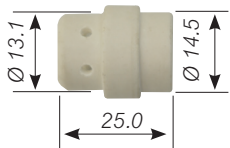
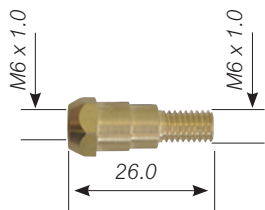
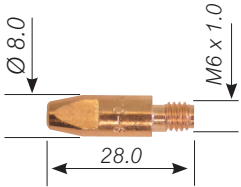
Torch Model Description	Part Number		
	3 Mt	4 Mt	5 Mt
SB Suregrip Ergo Torch Package	SB24-3M	SB24-4M	SB24-5M

Spare Parts					
Part Number	Description	Part Number	Description	Part Number	Description
1	SNK24	10	UB2517	10	Hanger Hook
2	UG1515	11	UB1522	11	Cable Terminal Male
3	UB1505	12	UPA2041	12	Cable Support
4	UG8015	13	UB1518	13	Gun Plug Housing C/W Nut
5	UB1521	14	UB1541	14	Gun Plug Screw
6	UB1521-C	15	UB1519/S	15	Gun Plug Nut
7	UB2603-30	16	UB1523	16	Gun Plug Terminal Female
	UB2603-40	17	UC1528	17	Hybrid Gun Plug Body C/W Spring Pins
	UB2603-50	18	UB1524	18	Gun Plug 'O' Ring
8	UG2514	19	UB1525	19	Liner Nut
9	UG2516				

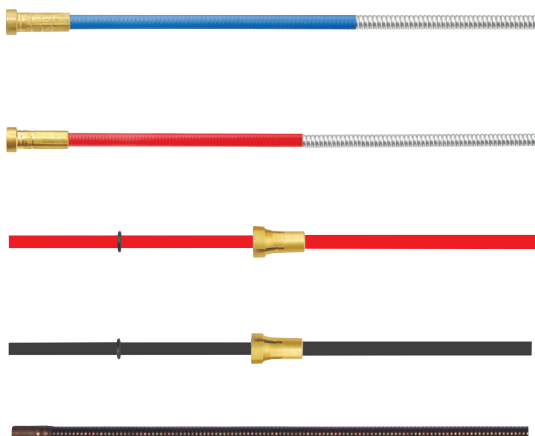
Suregrip Series SB24 MIG TORCH



Front end consumables



Liners



These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

SB24 Contact Tips

Part Number	Description	QTY
PCT0009-06	Contact Tip Steel (0.6mm)	QTY10
PCT0009-08	Contact Tip Steel (0.8mm)	QTY10
PCT0009-09	Contact Tip Steel (0.9mm)	QTY10
PCT0009-10	Contact Tip Steel (1.0mm)	QTY10
PCT0009-12	Contact Tip Steel (1.2mm)	QTY10
PCT0009-16	Contact Tip Steel (1.6mm)	QTY10
PCTZR009-09	Contact Tip Steel Long Life (0.9mm)	QTY10
PCTZR009-12	Contact Tip Steel Long Life (1.2mm)	QTY10
PCTAL0009-09	Contact Tip Aluminium (0.9mm)	QTY10
PCTAL0009-10	Contact Tip Aluminium (1.0mm)	QTY10
PCTAL0009-12	Contact Tip Aluminium (1.2mm)	QTY10

SB24 Tip Holder

Part Number	Description	QTY
PCTH24	Contact Tip Holder	QTY2

SB24 Gas Diffuser

Part Number	Description	QTY
PCGD24	Gas Diffuser	QTY2

SB24 Gas Nozzle

Part Number	Description	QTY
PGN24CYL	Cylindrical Nozzle	QTY2
PGN24CON	Conical Nozzle	QTY2
PGN24TAP	Tapered Nozzle	QTY2
PGN24SPOT	Spot Nozzle	QTY2

SB24 Liners

Part Number	Description	QTY
SLB3M	Blue Steel Liner 3 Metre	} 0.6 - 0.8mm
SLB4M	Blue Steel Liner 4 Metre	
SLB5M	Blue Steel Liner 5 Metre	
SLR3M	Red Steel Liner 3 Metre	} 0.9 - 1.2mm
SLR4M	Red Steel Liner 4 Metre	
SLR5M	Red Steel Liner 5 Metre	
TLB3M	Blue Aluminium Liner 3 Metre	} 0.6 - 0.8mm
TLB4M	Blue Aluminium Liner 4 Metre	
TLR3M	Red Aluminium Liner 3 Metre	} 0.9 - 1.2mm
TLR4M	Red Aluminium Liner 4 Metre	
TLY3M	Yellow Aluminium Liner 3 Metre	} 1.2 - 1.6mm
TLY4M	Yellow Aluminium Liner 4 Metre	
NKSTL	Neck Spring for Aluminium	

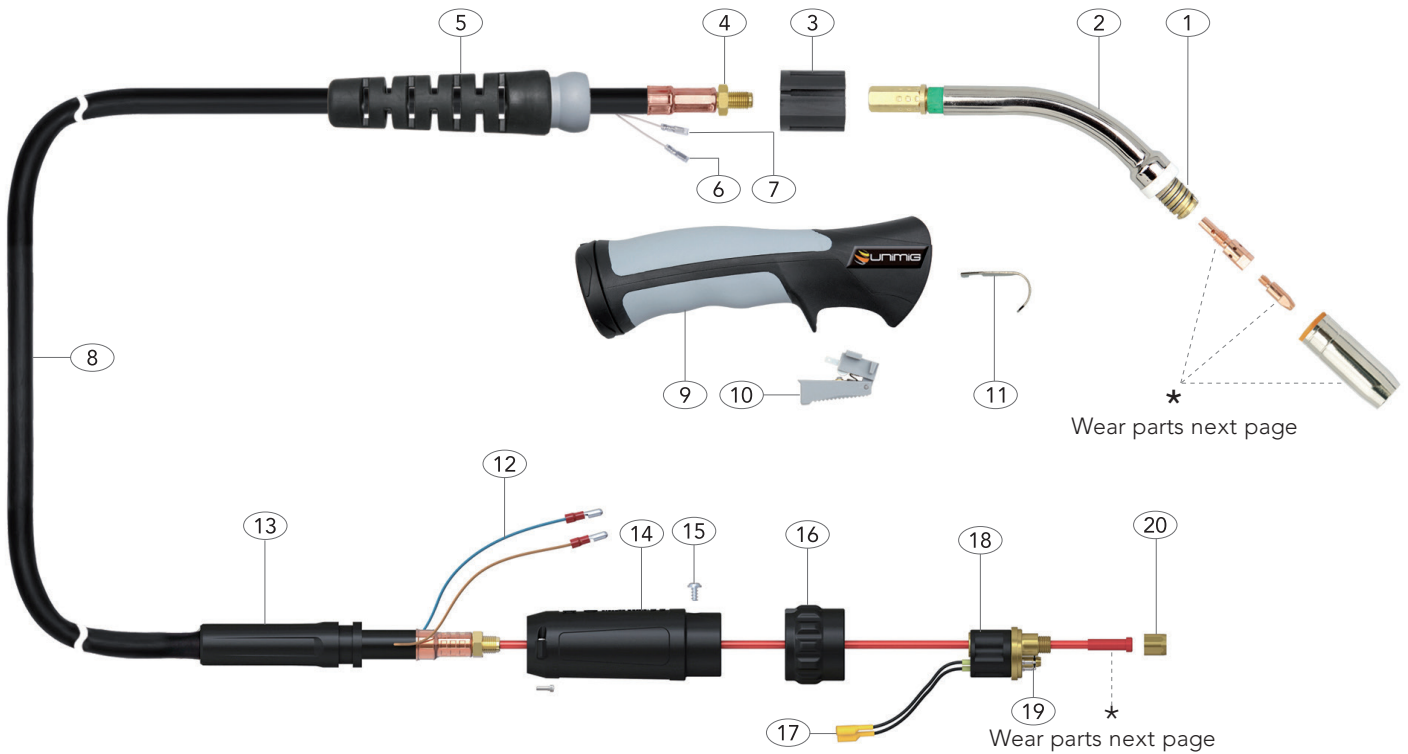
Suregrip Series

SB25 MIG TORCH



230A AIR COOLED MIG WELDING TORCH

Rating: 230A CO₂ 200A mixed gas EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



Torch Model			
Description	Part Number	4 Mt	5 Mt
	3 Mt		
SB25 Suregrip Ergo Torch Package	SB25-3M	SB25-4M	SB25-5M

Spare Parts			
Part Number	Description	Part Number	Description
1	GNS25 Shroud Spring	10	UG2516 Medium / Large Ergo Trigger
2	SNK25 Swan Neck Assembly	11	UB2517 Hanger Hook
	SNKF Swan Neck Flexible Assembly	12	UB1522 Cable Terminal Male
3	UG1515 Ergo Handle Location Body	13	UPA2041 Cable Support
4	UB1505 Lock Nut	14	UB1518 Gun Plug Housing C/W Nut
5	UG8015 Handle Cable Support C/W Ball Joint	15	UB1541 Gun Plug Screw
6	UB1521 Cable Terminal	16	UB1519/S Gun Plug Nut
7	UB1521-C Cable Terminal Cover	17	UB1523 Gun Plug Terminal Female
8	UB2503-30 Hyperflex Cable Assembly x 3mt	18	UC1528 Hybrid Gun Plug Body C/W Spring Pins
	UB2503-40 Hyperflex Cable Assembly x 4mt	19	UB1524 Gun Plug 'O' Ring
	UB2503-50 Hyperflex Cable Assembly x 5mt	20	UB1525 Liner Nut
9	UG2514 Ergo Handle Kit C/W Lock Nut		

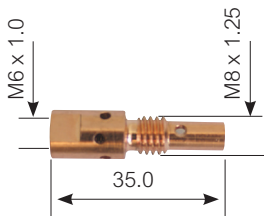
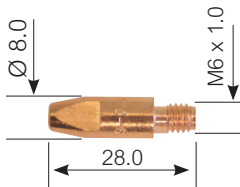
Suregrip Series SB25 MIG TORCH



Front end consumables

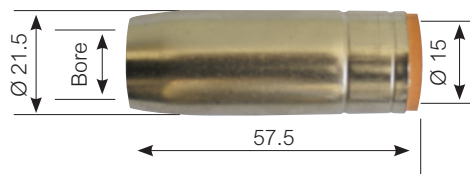
SB25 Contact Tips

Part Number	Description	
PCT0009-06	Contact Tip Steel (0.6mm)	QTY10
PCT0009-08	Contact Tip Steel (0.8mm)	QTY10
PCT0009-09	Contact Tip Steel (0.9mm)	QTY10
PCT0009-10	Contact Tip Steel (1.0mm)	QTY10
PCT0009-12	Contact Tip Steel (1.2mm)	QTY10
PCT0009-16	Contact Tip Steel (1.6mm)	QTY10
PCTZR009-09	Contact Tip Steel Long Life (0.9mm)	QTY10
PCTZR009-12	Contact Tip Steel Long Life (1.2mm)	QTY10
PCTAL0009-09	Contact Tip Aluminium (0.9mm)	QTY10
PCTAL0009-10	Contact Tip Aluminium (1.0mm)	QTY10
PCTAL0009-12	Contact Tip Aluminium (1.2mm)	QTY10



SB25 Tip Holder

Part Number	Description	
PCTH25	Contact Tip Holder	QTY2
PGNS25	Shroud Spring	QTY2



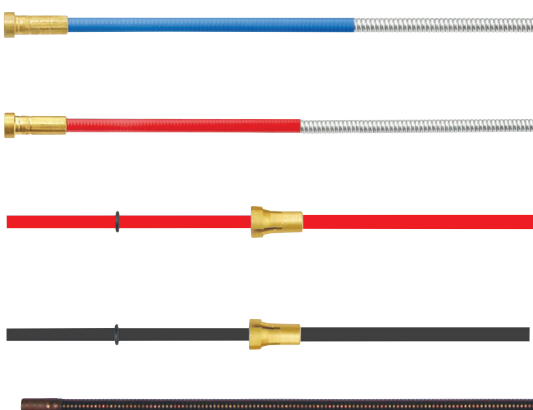
SB25 Gas Nozzle

Part Number	Description	
PGN25CYL	Cylindrical Nozzle	QTY2
PGN25CON	Conical Nozzle	QTY2
PGN25TAP	Tapered Nozzle	QTY2
PGN25SPOT	Spot Nozzle	QTY2

Liners

SB25 Liners

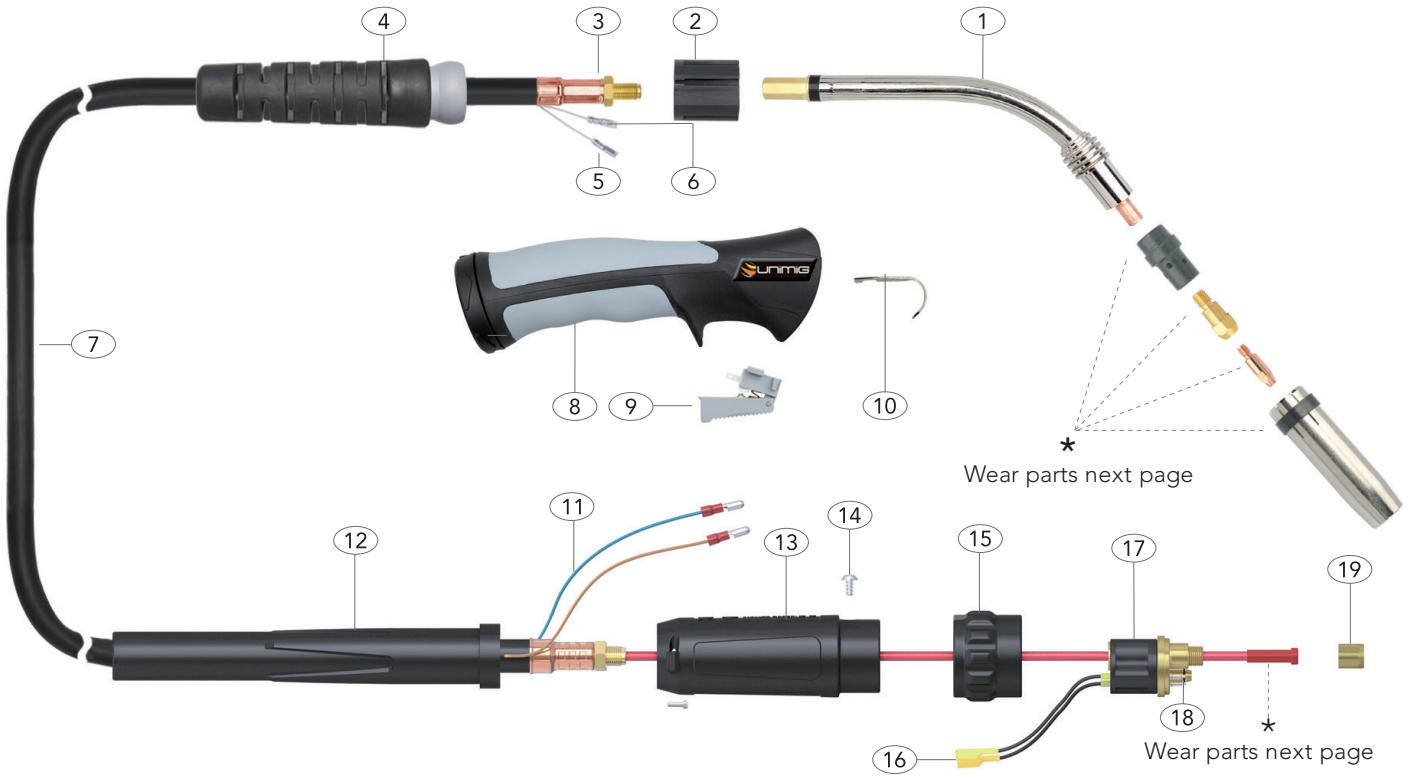
Part Number	Description	
SLB3M	Blue Steel Liner 3 Metre	} 0.6 - 0.8mm
SLB4M	Blue Steel Liner 4 Metre	
SLB5M	Blue Steel Liner 5 Metre	
SLR3M	Red Steel Liner 3 Metre	} 0.9 - 1.2mm
SLR4M	Red Steel Liner 4 Metre	
SLR5M	Red Steel Liner 5 Metre	
TLB3M	Blue Aluminium Liner 3 Metre	} 0.6 - 0.8mm
TLB4M	Blue Aluminium Liner 4 Metre	
TLR3M	Red Aluminium Liner 3 Metre	} 0.9 - 1.2mm
TLR4M	Red Aluminium Liner 4 Metre	
TLY3M	Yellow Aluminium Liner 3 Metre	} 1.2 - 1.6mm
TLY4M	Yellow Aluminium Liner 4 Metre	
NKSTL	Neck Spring for Aluminium	



These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

300A AIR COOLED MIG WELDING TORCH

Rating:300A CO² 270A mixed gas EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires¹



Torch Model			
Description	Part Number	4 Mt	5 Mt
SB36 Suregrip Ergo Torch Package	SB36-3M	SB36-4M	SB36-5M

Spare Parts				
Part Number	Description	Part Number	Description	
1	SNK36	9	UG2516	Medium / Large Ergo Trigger
2	UG1515	10	UB2517	Hanger Hook
3	UB1505	11	UB1522	Cable Terminal Male
4	UG8016	12	UC8026	Housing Spring
5	UB1521	13	UB1518L	Gun Plug Housing C/W Nut
6	UB1521-C	14	UB1526	Gun Plug Screw
7	UB3609-30	15	UB1519/S	Gun Plug Nut
	UB3609-40	16	UB1523	Gun Plug Terminal Female
	UB3609-50	17	UB1528	Gun Plug Body C/W Spring Pins
8	8UG2514	18	UB1524	Gun Plug 'O' Ring
		19	UB1525	Liner Nut

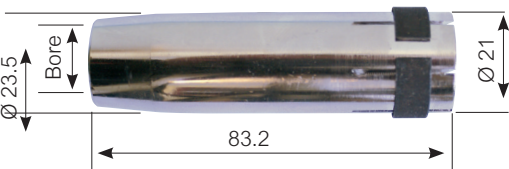
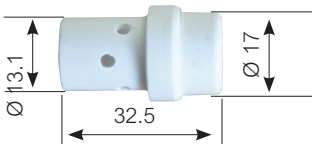
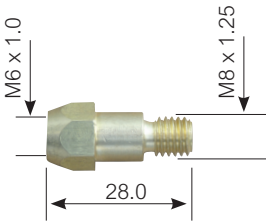
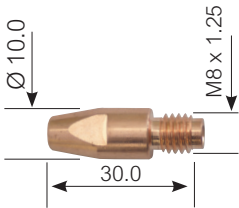
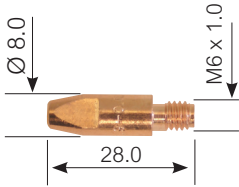
These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

Suregrip Series

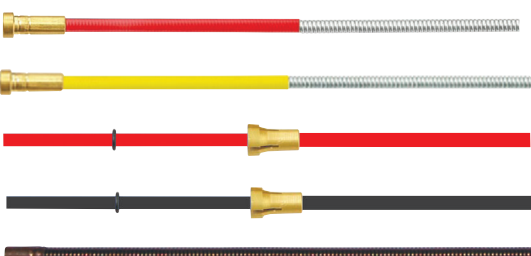
SB36 MIG TORCH



Front end consumables



Liners



SB36 Contact Tips M6

Part Number	Description	QTY
PCT0009-06	Contact Tip Steel (0.6mm)	QTY10
PCT0009-08	Contact Tip Steel (0.8mm)	QTY10
PCT0009-09	Contact Tip Steel (0.9mm)	QTY10
PCT0009-10	Contact Tip Steel (1.0mm)	QTY10
PCT0009-12	Contact Tip Steel (1.2mm)	QTY10
PCT0009-16	Contact Tip Steel (1.6mm)	QTY10
PCTZR009-09	Contact Tip Steel Long Life (0.9mm)	QTY10
PCTZR009-12	Contact Tip Steel Long Life (1.2mm)	QTY10
PCTAL0009-09	Contact Tip Aluminium (0.9mm)	QTY10
PCTAL0009-10	Contact Tip Aluminium (1.0mm)	QTY10
PCTAL0009-12	Contact Tip Aluminium (1.2mm)	QTY10
PCT0005-08	Contact Tip Steel M8 (0.8mm)	QTY10
PCT0005-09	Contact Tip Steel M8 (0.9mm)	QTY10
PCT0005-10	Contact Tip Steel M8 (1.0mm)	QTY10
PCT0005-12	Contact Tip Steel M8 (1.2mm)	QTY10
PCT0005-16	Contact Tip Steel M8 (1.6mm)	QTY10
PCTAL0005-08	Contact Tip Aluminium M8 (0.8mm)	QTY10
PCTAL0005-09	Contact Tip Aluminium M8 (0.9mm)	QTY10
PCTAL0005-10	Contact Tip Aluminium M8 (1.0mm)	QTY10
PCTAL0005-12	Contact Tip Aluminium M8 (1.2mm)	QTY10
PCTAL0005-16	Contact Tip Aluminium M8 (1.6mm)	QTY10

SB36 Tip Holder M8

Part Number	Description	QTY
PCTH36M6S	Contact Tip Holder M6 (Short)	QTY2
PCTH36M8S	Contact Tip Holder M8 (Short)	QTY2

SB36 Tip Holder M6

Part Number	Description	QTY
PCTH36M6L	Contact Tip Holder M6 (Long)	QTY2
PCTH36M8L	Contact Tip Holder M8 (Long)	QTY2

SB36 Gas Diffuser

Part Number	Description	QTY
PCGD36	Gas Diffuser	QTY2

SB36 Gas Nozzle

Part Number	Description	QTY
PGN36CYL	Cylindrical Nozzle	QTY2
PGN36CON	Conical Nozzle	QTY2
PGN36TAP	Tapered Nozzle	QTY2

SB36 Liners

Part Number	Description	QTY
SLB3M	Blue Steel Liner 3 Metre	0.6 - 0.8mm
SLB4M	Blue Steel Liner 4 Metre	
SLB5M	Blue Steel Liner 5 Metre	
SLR3M	Red Steel Liner 3 Metre	0.9 - 1.2mm
SLR4M	Red Steel Liner 4 Metre	
SLR5M	Red Steel Liner 5 Metre	
SLY3M	Yellow Steel Liner 3 Metre	1.2 - 1.6mm
SLY4M	Yellow Steel Liner 4 Metre	
SLY5M	Yellow Steel Liner 5 Metre	
TLB3M	Blue Aluminium Liner 3 Metre	0.6 - 0.8mm
TLB4M	Blue Aluminium Liner 4 Metre	
TLR3M	Red Aluminium Liner 3 Metre	0.9 - 1.2mm
TLR4M	Red Aluminium Liner 4 Metre	
TLY3M	Yellow Aluminium Liner 3 Metre	1.2 - 1.6mm
TLY4M	Yellow Aluminium Liner 4 Metre	
NKSTL	Neck Spring for Aluminium	

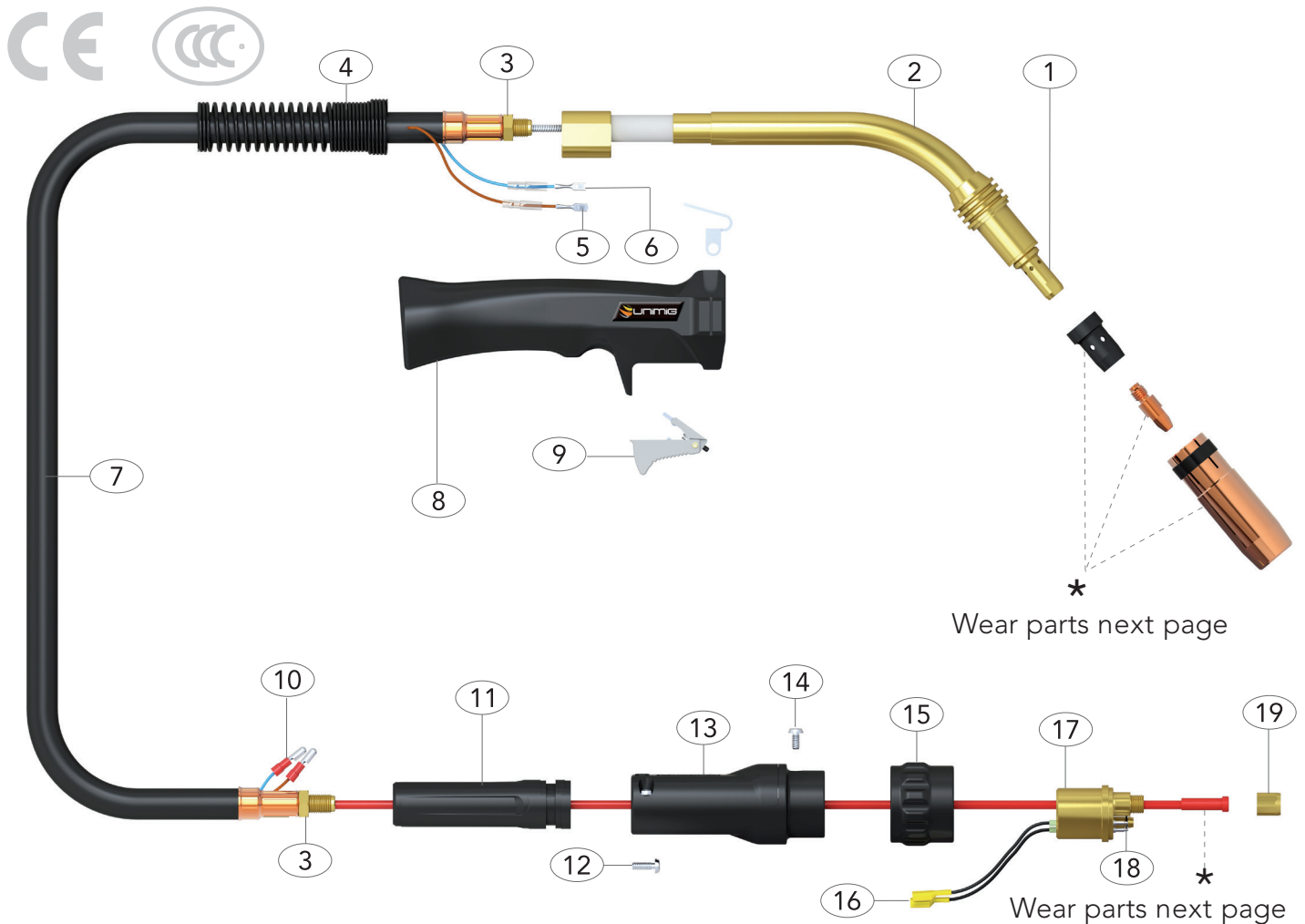
Suregrip Series

SB38 MIG TORCH



380A Air Cooled MIG Welding Torch

Rating: 360A CO2 340A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires



Torch Model	Description			
Description	Part Number	3 Mt	4 Mt	5 Mt
SB38 Suregrip Ergo Torch Package	SB38-3M		SB38-4M	SB38-5M

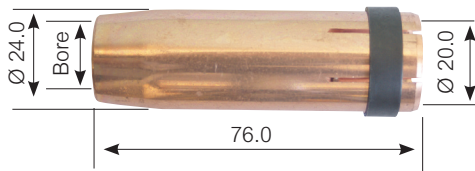
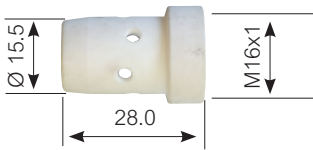
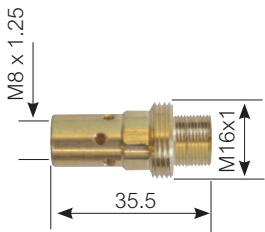
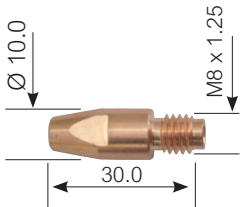
Spare Parts					
Part Number	Description	Part Number	Description	Part Number	Description
1	UB5003	10	UB1522	10	Cable Terminal Male
2	SNK38	11	UC3641	11	Cable Support
3	UB1505	12	UB1542	12	Gun Pulg Housing Screw
4	UB8018	13	UC1518	13	Gun Plug Body Housing
5	UB1521	14	UB1526	14	Gun Plug Screw
6	UB1521-C	15	UC1519/S	15	Gun Plug Nut
7	UB3609-30	16	UB1523	16	Gun Plug Terminal Female
	UB3609-40	17	UB1528	17	Gun Plug Body C/W Spring Pins
	UB3609-50	18	UB1524	18	Gun Plug 'O' Ring
8	UP1578	19	UB1525	19	Liner Nut
9	UB1408/B				

Suregrip Series

SB38 MIG TORCH



Front end consumables



SB38 Contact Tips M8

Part Number	Description	QTY
PCT0005-08	Contact tip M8 Steel Wire (0.8mm)	QTY10
PCT0005-09	Contact tip M8 Steel Wire (0.9mm)	QTY10
PCT0005-10	Contact tip M8 Steel Wire (1.0mm)	QTY10
PCT0005-12	Contact tip M8 Steel Wire (1.2mm)	QTY10
PCT0005-16	Contact tip M8 Steel Wire (1.6mm)	QTY10
PCTZR0005-09	Contact tip Long Life (0.9mm)	QTY10
PCTZR0005-12	Contact tip Long Life (1.2mm)	QTY10
PCTAL0005-09	Contact tip M8 Alloy Wire (0.9mm)	QTY10
PCTAL0005-10	Contact tip M8 Alloy Wire (1.0mm)	QTY10
PCTAL0005-12	Contact tip M8 Alloy Wire (1.2mm)	QTY10
PCTAL0005-16	Contact tip M8 Alloy Wire (1.6mm)	QTY10

SB38 Tip Holder

Part Number	Description	QTY
PCTH38	Tip Holder M8 SB38	QTY2

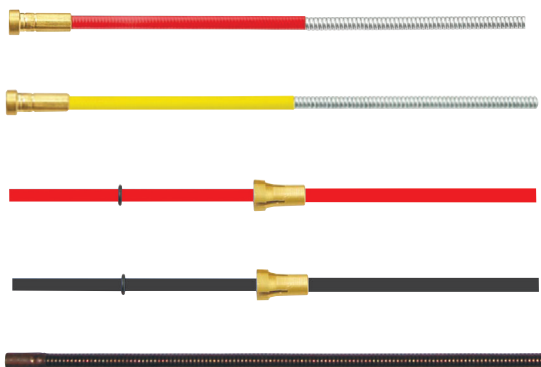
SB38 Gas Diffuser

Part Number	Description	QTY
PCGD38	Gas Diffuser (Suit SB38)	QTY2

SB38 Gas Nozzle

Part Number	Description	QTY
PGN38CON	Gas Nozzle Conical	QTY2
PGN38CYL	Gas Nozzle Cylindrical	QTY2
PGN38TAP	Gas Nozzle Tapped	QTY2

Liners



SB38 Liners

Part Number	Description	Wire Diameter
SLB3M	Blue Steel Liner 3 Metre	0.6 - 0.8mm
SLB4M	Blue Steel Liner 4 Metre	
SLB5M	Blue Steel Liner 5 Metre	
SLR3M	Red Steel Liner 3 Metre	0.9 - 1.2mm
SLR4M	Red Steel Liner 4 Metre	
SLR5M	Red Steel Liner 5 Metre	
SLY3M	Yellow Steel Liner 3 Metre	1.2 - 1.6mm
SLY4M	Yellow Steel Liner 4 Metre	
SLY5M	Yellow Steel Liner 5 Metre	
TLB3M	Blue Aluminium Liner 3 Metre	0.6 - 0.8mm
TLB4M	Blue Aluminium Liner 4 Metre	
TLR3M	Red Aluminium Liner 3 Metre	0.9 - 1.2mm
TLR4M	Red Aluminium Liner 4 Metre	
TLY3M	Yellow Aluminium Liner 3 Metre	1.2 - 1.6mm
TLY4M	Yellow Aluminium Liner 4 Metre	
NKSTL	Neck Spring for Aluminium	

These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

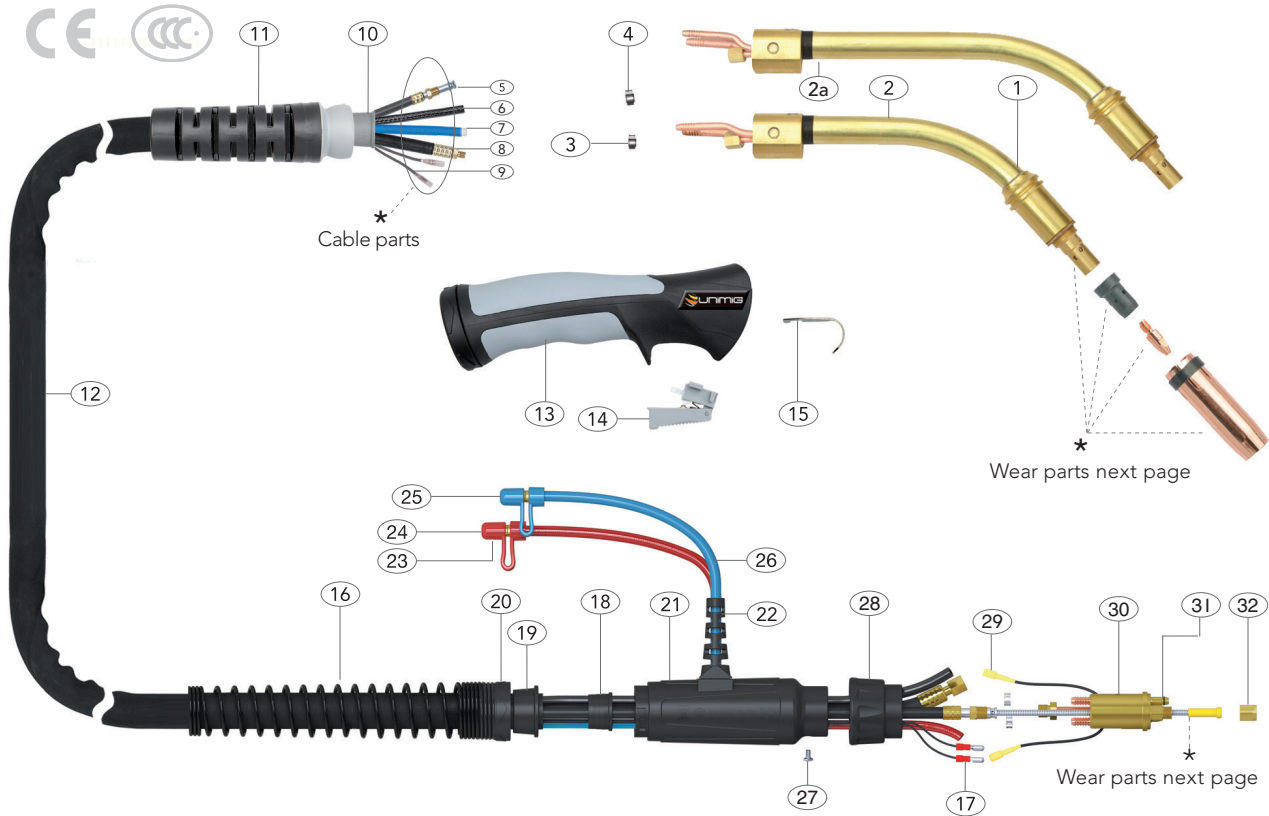
Suregrip Series

SB500 MIG TORCH



500A WATER COOLED MIG WELDING TORCH

Rating: 500A CO₂ 450A mixed gas EN60974-7 @ 60% duty cycle. 0.8 to 1.6mm wires



Torch Model	Description	
SB500W Suregrip Ergo Torch Package	3 Mt	4 Mt
	SB500-3M	SB500-4M

Spare Parts					
Part Number	Description	Part Number	Description	Part Number	Description
1	UB5003 Insulating Washer	24	UBD-80320 Red Cap Stopper	25	UBD-80310 Blue Cap Stopper
2	SNK500 Swan Neck Assembly	26	UB5017 Water Outlet Hose O/braid Rubber	27	UB1526 Gun Plug Screw
2a	UG5002L Swan Neck Assembly Long	28	UB1519/S Gun Plug Nut	29	UB1523 Gun Plug Terminal Female
3	UB5024 Water Hose Clamp 9.5MM	30	UB5098 Gun Plug Body C/W Spring Pins	31	UB1524 Gun Plug 'O' Ring
4	UB5025S Water Hose Clamp 8.0MM	32	UB1525 Liner Nut		
10	UG8010 Suregrip Insert				
11	UG3208 Handle Cable Support C/W Ball Joint				
12	UB5019-30 Canvas Cover Assembly X 3MT				
	UB5019-40 Canvas Cover Assembly X 4MT				
	UB5019-50 Canvas Cover Assembly X 5MT				
13	UG2514 Ergo Handle Kit C/W Lock Nut				
14	UG2516 Medium / Large Ergo Trigger				
15	UB2517 Hanger Hook				
16	UC8027 Housing Spring				
17	UB1522 Cable Terminal Male				
18	UB8009 Canvas Cover Clamp				
19	UB8010 Canvas Cover Retainer				
20	UB8028 Spring Cable Support Nut				
21	UP5022 Gun Plug Housing Assembly				
22	UR5022 Inlet/Outlet Hose Supports				
23	UB5023 Water Hose Nipple				

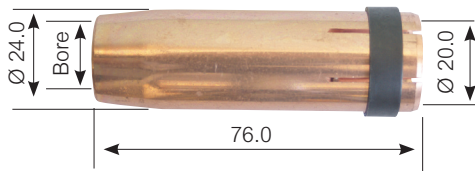
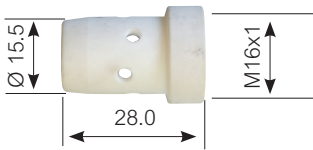
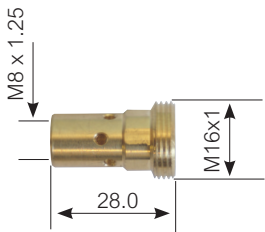
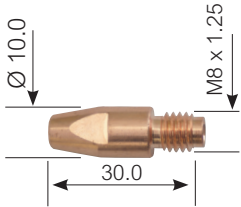
Cable Parts					
Description		Part Number			
5	Outer Liner Assembly	3M UB5008-30	4M UB5008-40	5M UB5008-50	
6	Gas Hose Assembly	3M UB5013-30	4M UB5013-40	5M UB5013-50	
7	Water Inlet Hose Assembly	3M UB5012-30	4M UB5012-40	5M UB5012-50	
8	Power Cable Assembly	3M UB5015-30	4M UB5015-40	5M UB5015-50	
9	Switch Lead Assembly	3M UB5010-30	4M UB5010-40	5M UB5010-50	

Suregrip Series

SB500 MIG TORCH



Front end consumables



SB500W Contact Tips M8

Part Number	Description	QTY
PCT0005-08	Contact tip M8 Steel Wire (0.8mm)	QTY10
PCT0005-09	Contact tip M8 Steel Wire (0.9mm)	QTY10
PCT0005-10	Contact tip M8 Steel Wire (1.0mm)	QTY10
PCT0005-12	Contact tip M8 Steel Wire (1.2mm)	QTY10
PCT0005-16	Contact tip M8 Steel Wire (1.6mm)	QTY10
PCTZR0005-09	Contact tip Long Life (0.9mm)	QTY10
PCTZR0005-12	Contact tip Long Life (1.2mm)	QTY10
PCTAL0005-09	Contact tip M8 Alloy Wire (0.9mm)	QTY10
PCTAL0005-10	Contact tip M8 Alloy Wire (1.0mm)	QTY10
PCTAL0005-12	Contact tip M8 Alloy Wire (1.2mm)	QTY10
PCTAL0005-16	Contact tip M8 Alloy Wire (1.6mm)	QTY10

SB500W Tip Holder

Part Number	Description	QTY
PCTH500	Tip Holder M8 SB500	QTY2

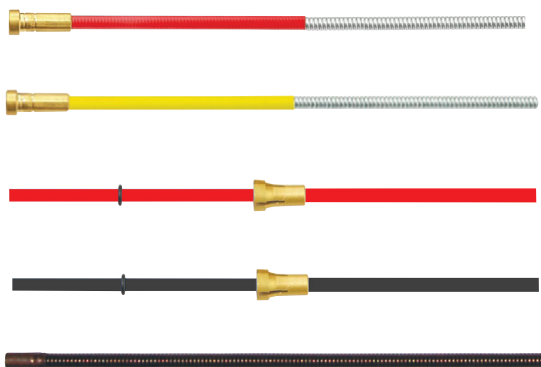
SB500W Gas Diffuser

Part Number	Description	QTY
PCGD38	Gas Diffuser (Suit SB38)	QTY2

SB500W Gas Nozzle

Part Number	Description	QTY
PGN38CON	Gas Nozzle Conical	QTY2
PGN38CYL	Gas Nozzle Cylindrical	QTY2
PGN38TAP	Gas Nozzle Tappered	QTY2

Liners



SB500W Liners

Part Number	Description	Wire Size
SLB3M	Blue Steel Liner 3 Metre	0.6 - 0.8mm
SLB4M	Blue Steel Liner 4 Metre	
SLB5M	Blue Steel Liner 5 Metre	
SLR3M	Red Steel Liner 3 Metre	0.9 - 1.2mm
SLR4M	Red Steel Liner 4 Metre	
SLR5M	Red Steel Liner 5 Metre	
SLY3M	Yellow Steel Liner 3 Metre	1.2 - 1.6mm
SLY4M	Yellow Steel Liner 4 Metre	
SLY5M	Yellow Steel Liner 5 Metre	
TLB3M	Blue Aluminium Liner 3 Metre	0.6 - 0.8mm
TLB4M	Blue Aluminium Liner 4 Metre	
TLR3M	Red Aluminium Liner 3 Metre	0.9 - 1.2mm
TLR4M	Red Aluminium Liner 4 Metre	
TLY3M	Yellow Aluminium Liner 3 Metre	1.2 - 1.6mm
TLY4M	Yellow Aluminium Liner 4 Metre	
NKSTL	Neck Spring for Aluminium	

These parts are manufactured in China and are offered as replacement parts suitable for "BINZEL®" style torches.

SILICON BRONZE MIG WIRE

Precision Layer Wound

- High Quality Finish
- Precision Layer Wound
- Smooth Feeding



ERCuSi-A Silicon Bronze MIG Wire

Classification

AWS/ASME-SFA A5.7 ERCuSi-A

Precision layer wound copper based wire for MIG welding of copper, copper-silicon and copper-zinc alloys. This copper-silicon alloy is used to weld similar composition base metals, brass, and to weld these copper alloys to steel. Extensively used in the automotive repair and fencing industries.

Part-No	Description	Weight
SB.8B	XA Silicon Bronze MIG Wire 0.8mm	5kg
SB.9B	XA Silicon Bronze MIG Wire 0.9mm	5kg
SB.9C	XA Silicon Bronze MIG Wire 0.9mm	13.5kg

SITECUT 10

Plasma - 25Amp Inverter Plasma Cutter

Cuts: Steels, Stainless, Cast Iron, Brass, Copper. Aluminium



25 Amp - 8mm Cut on Steel - Built In Air Compressor 240v Inverter Plasma Cutter Lightweight and Portable

Features

- Built in air compressor - eliminating the need for external compressor
- Advanced Inverter Technology
- Compact and ergonomic design
- Light industrial application
- Adjustable Amperage
- High quality Italian Plasma torch with drag tip technology
- Post flow torch cooling with auto stop for rapid restrike
- Suitable to cut all electrically conductive materials
- Non HF Arc Start for reduced electrical interference
- Pilot arc control allows uninterrupted arc across gaps
- Maximum severance cutting thickness 10mm (Mild steel)



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	35% @ 25 Amps
Rated Power (KVA)	3.10
Output Current Range (A) Plasma	07-25
Max OCV Range (V)	460
Max Current (A)	25
Insulation Class - Inverter	H
Insulation Class - Compressor	F
Protection Class	IP21S
Plasma Arc Starting	Pilot ARC
Air Flow (l/min)	80
Max Cutting Thickness (mm)	10
Dimensions (mm)	420 x 185 x 380
Weight (kg)	10
Warranty	12 month machine only

Overview

The SiteCut 10 is a 240v Plasma cutting system produced using the latest Inverter Technology. The SiteCut 10 has a built in air compressor - eliminating the need for external air compressor. The SiteCut 10 produces a high temperature plasma stream, enabling effortless cutting of all electrically conductive materials including steel, cast Iron, stainless steel, copper, aluminium brass etc. The SiteCut 10 is equipped with a high quality Italian manufactured Plasma Torch developed specifically to provide a non HF start of the Plasma arc for reduced interference to other electronics. The SiteCut 10 has outstanding performance with powerful, fast and accurate cutting capability, the Pilot Arc control provides uninterrupted cutting across gaps such as in expanded mesh. The SiteCut 10 is ideal for a wide range of applications including sheet metal contractors and fabricators, plumbing, site work, automotive, ducting work, farm maintenance and metal artwork industries. The Site Cut 10 is packaged with a tough PT-25C Plasma Torch, earth lead and air regulator. The fitted PT-25C Plasma torch is the latest in Plasma torch design and provides drag tip technology allowing constant contact with the work piece during the cutting process providing fast accurate cuts with minimal material distortion. The SiteCut 10 is the ultimate in plasma cutting portability. Built to our specification and manufactured in compliance to IEC 60974-1

MACHINE PACKAGE: SITECUT10

SiteCut 10 package includes: SiteCut 10 Machine, PT25C Plasma Torch 4m, Earth Lead 16mm x 3m

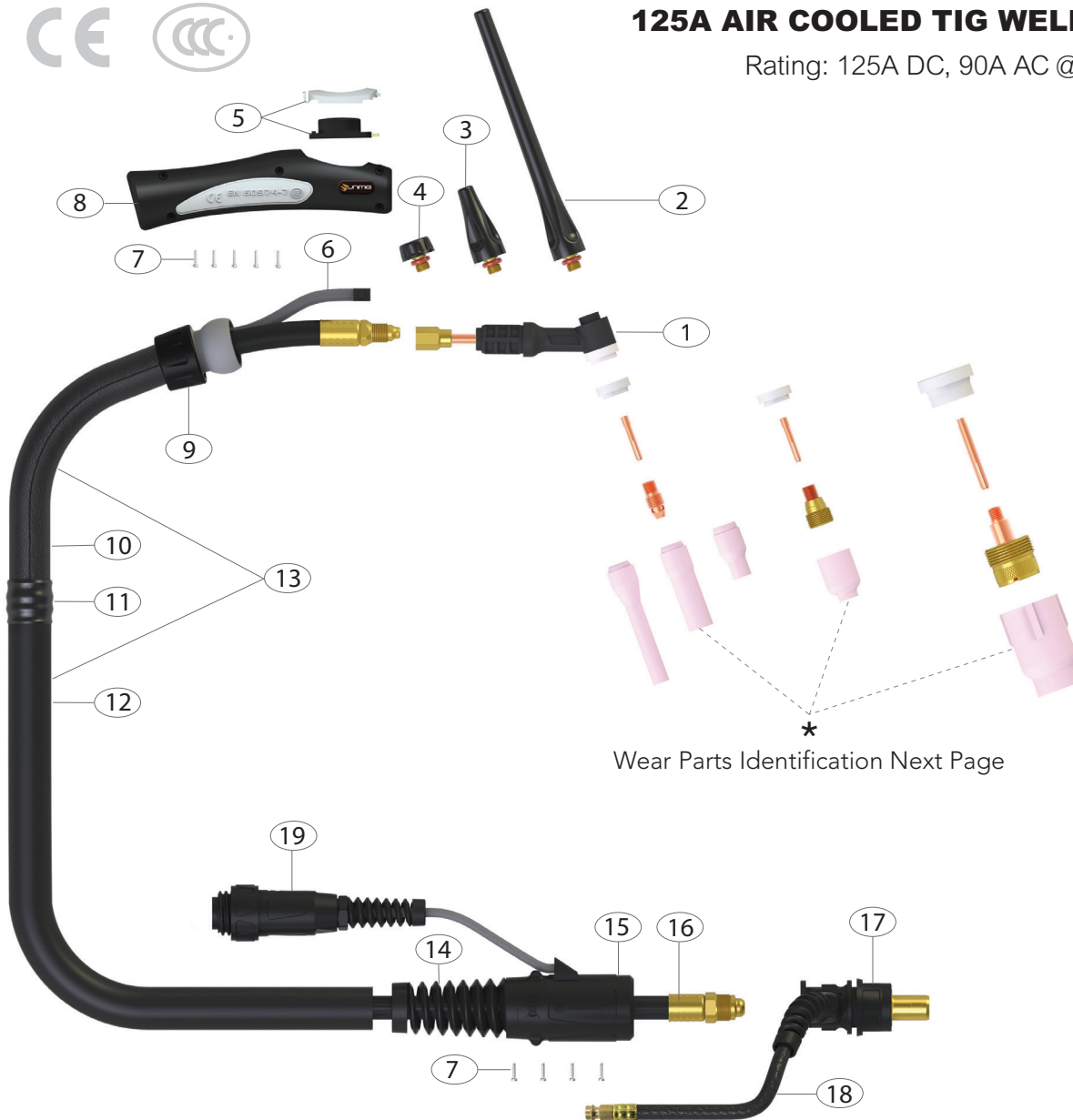


Suregrip Series SR9 ERGO TIG TORCH



125A AIR COOLED TIG WELDING TORCH

Rating: 125A DC, 90A AC @35% duty cycle.



Wear Parts Identification Next Page

Torch Model	Description	
	4m	8m
SR-9 Suregrip Tig Torch Package c/w 2m Gas Hose	SR-9-4MCP25 SR-9-4MCP50	SR-9-8MCP25 SR-9-8MCP50

Spare Parts		Spare Parts	
Part Number	Description	Part Number	Description
1	WP9 Torch head Standard	11	UERJK100 Jointing Repair Kit
	WP9F Torch head flexible	12	UERNCS-32 Neoprene Cover X 3.2mt
2	41V24 Back Cap Long		UERNCS-72 Neoprene Cover X 7.2mt
3	41V35 Back Cap Medium	13	UERCO100-40 Sheath X 12.5ft Inc Leather Cover
4	41V33 Back Cap Short		UERCO100-80 Sheath X 25ft Inc Leather Cover
5	UER1MS Momentary Kit	14	USLH917-S Cable Support Small
6	UERSWL4 Trigger Lead 12.5ft	15	USLH917-H "SurelokTM" Housing Small
	UERSWL8 Trigger Lead 25ft	16	USL57Y01AR Power Cable X 12.5ft "SurelokTM" Rub
7	UERSP1 Screw Pack		USL57Y03AR Power Cable X 25ft "SurelokTM" Rubber
8	UERH100 Small Ergo Tig Handle	17	USL3550 "SurelokTM" Body & Support
9	UERKJ100 Small Knuckle Joint	18	USL-1-GS4 Gas Supply Hose
10	UERLC100-08 Leather Cover X 0.8mt	19	10004667 7 Pin Plug

Suregrip Series

SR9 ERGO TIG TORCH

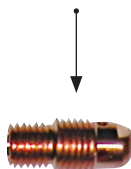


Standard Front End Parts

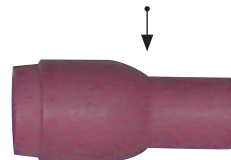
Part # Description
598882 Cup Gasket



Part # Description
13N26 Collet body 1.0mm
13N27 Collet body 1.6mm
13N28 Collet body 2.4mm
13N29 Collet body 3.2mm



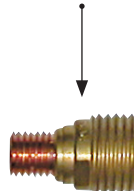
Part # Description
13N08 Alumina nozzle 6.0mm
13N09 Alumina nozzle 8.0mm
13N10 Alumina nozzle 10.0mm
13N11 Alumina nozzle 11.0mm
13N12 Alumina nozzle 13.0mm
13N13 Alumina nozzle 16.0mm



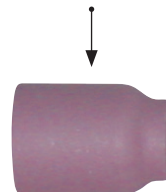
Part # Description
13N21 Collet 1.0mm
13N22 Collet 1.6mm
13N23 Collet 2.4mm
13N24 Collet 3.2mm



Part # Description
45V42 Gas Lens Body 1.0mm
45V43 Gas Lens Body 1.6mm
45V44 Gas Lens Body 2.4mm
45V45 Gas Lens Body 3.2mm



Part # Description
53N58 Gas Lens Nozzle Ø 6mm #4
53N59 Gas Lens Nozzle Ø 8mm #5
53N60 Gas Lens Nozzle Ø 10mm #6
53N61 Gas Lens Nozzle Ø 11mm #7
53N61S Gas Lens Nozzle Ø 13mm #8



TR0004-16



RED
ANSI/AWS A5.12-98
ISO 6848 WT20

2% Thoriated: Best stability at medium currents, good arc starts, medium tendency to spit, medium erosion rate. Commonly used for steel and stainless steel applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part # Description
TR0004-10 1.0mm x 175mm thoriated tungsten electrode 2%
TR0004-16 1.6mm x 175mm thoriated tungsten electrode 2%
TR0004-24 2.4mm x 175mm thoriated tungsten electrode 2%
TR0004-32 3.2mm x 175mm thoriated tungsten electrode 2%

TR0006-16



WHITE
ANSI/AWS A5.12 M-98
ISO 6848 WZ8

.8% Zirconiated: Balls well, handles higher current with less spitting, better arc starts and arc stability than pure tungsten. Commonly used for aluminium applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

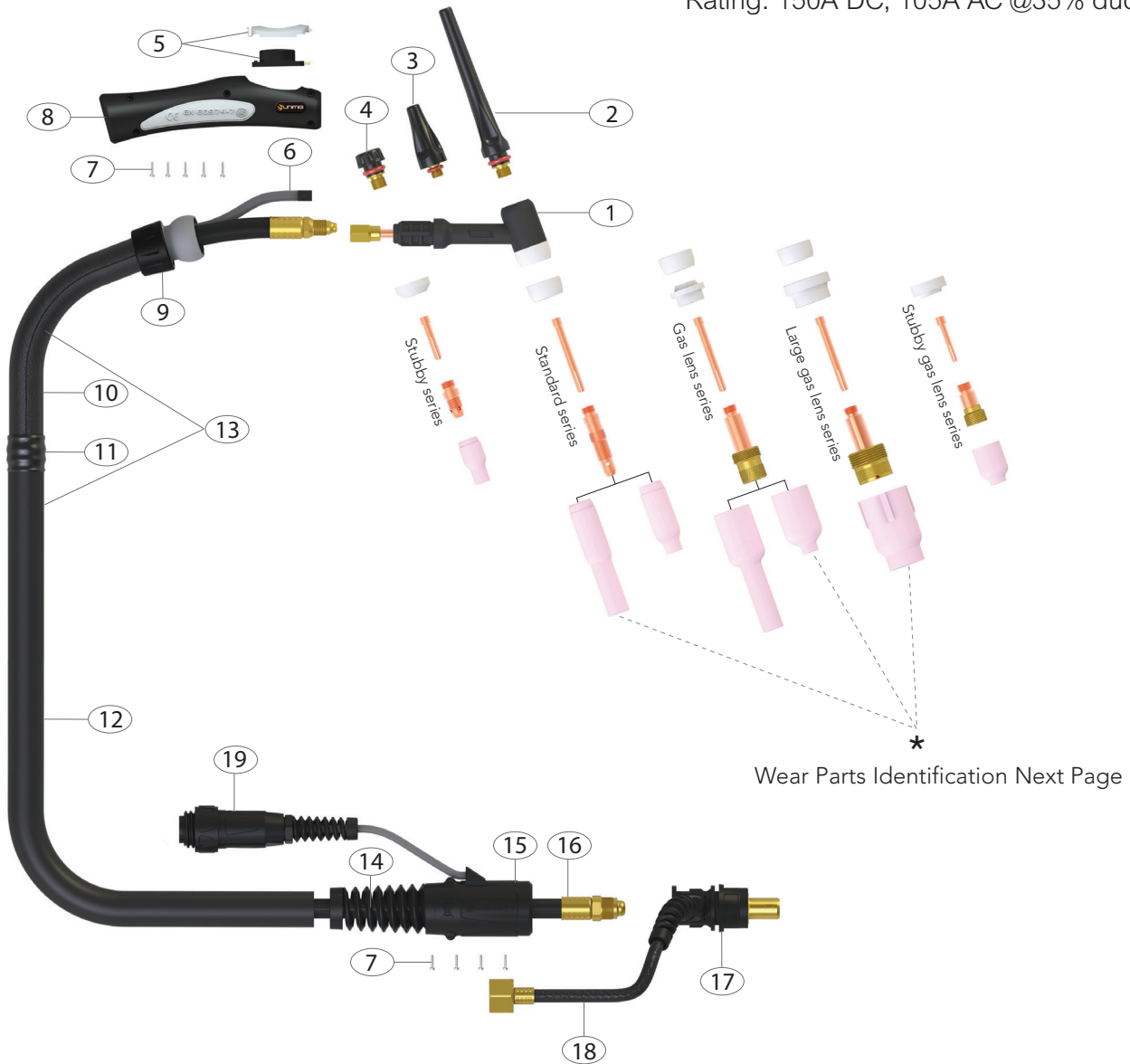
Part # Description
TR0006-10 1.0mm x 175mm zirconiated tungsten electrode 1%
TR0006-16 1.6mm x 175mm zirconiated tungsten electrode 1%
TR0006-24 2.4mm x 175mm zirconiated tungsten electrode 1%
TR0006-32 3.2mm x 175mm zirconiated tungsten electrode 1%

Suregrip Series SR17 ERGO TIG TORCH



150A AIR COOLED TIG WELDING TORCH

Rating: 150A DC, 105A AC @35% duty cycle.



Wear Parts Identification Next Page

Torch Model

Description	Part Number	
	4m	8m
SR17 Suregrip Tig Torch Package QF Gas Connect	SR-17-4MCP25	SR-17-8MCP25
	SR-17-4MCP50	SR-17-8MCP50






Spare Parts

Part Number	Description	Part Number	Description
1	WP17 Torch head	12	UERNCL-32 Neoprene Cover X 3.2mt
	WP17F Torch head flexible		UERNCL-72 Neoprene Cover X 7.2mt
2	57Y02 Back cap long	13	UERC0100-40 Sheath X 12.5ft Inc Leather Cover
3	57Y03 Medium back cap		UERC0100-80 Sheath X 25ft Inc Leather Cover
4	57Y04 Short back cap	14	USLH917-S Cable Support Small
5	UER1MS Momentary Kit	15	USLH917-H "Surelok" Housing Small
6	UERSWL4 Trigger Lead 12.5ft	16	USL57Y01AR "Power Cable X 12.5ft "Surelok" Rubber
	UERSWL8 Trigger Lead 25ft		USL57Y03AR Power Cable X 25ft "Surelok" Rubber
7	UERSP1 Screw Pack	17	USL3550 "Surelok" Body & Support
8	UERH100 Small Ergo Tig Handle	18	USL-1-GS4 Gas Supply Hose
9	UERKJ100 Small Knuckle Joint	19	10004667 7 Pin Plug
10	UERLC200-08 Leather Cover X 0.8mt		
11	UERJK100 Jointing Repair Kit		

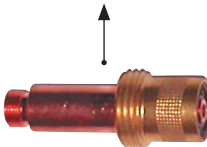

Suregrip Series SR17 ERGO TIG TORCH



Standard Front End Parts

<p>Part # 18CG</p> <p>Description Cup Gasket</p> 	<p>Part # 10N30 10N31 10N32 10N28</p> <p>Description Collet Body 1.0mm Collet Body 1.6mm Collet Body 2.4mm Collet Body 3.2mm</p> 	<p>Part # 10N49L 53N48L 53N47L</p> <p>Description Long Alumina Nozzle Ø 8mm #5L Long Alumina Nozzle Ø 10mm #6L Long Alumina Nozzle Ø 11mm #7L</p> 
<p>Part # 10N22 10N23 10N24 10N25</p> <p>Description Collet 1.0mm Collet 1.6mm Collet 2.4mm Collet 3.2mm</p> 	<p>Part # 10N50 10N49 10N48 10N47 10N46 10N45 10N44</p> <p>Description Alumina Nozzle Ø 6mm #4 Alumina Nozzle Ø 8mm #5 Alumina Nozzle Ø 10mm #6 Alumina Nozzle Ø 11mm #7 Alumina Nozzle Ø 13mm #8 Alumina Nozzle Ø 16mm #10 Alumina Nozzle Ø 19mm #12</p> 	

Compact Gas Lens Front End Parts

<p>Part # 54N01</p> <p>Description Gas Lens Gasket</p> 	<p>Part # 45V25 45V26 45V27</p> <p>Description Gas Lens Body 1.6mm Gas Lens Body 2.4mm Gas Lens Body 3.2mm</p> 	<p>Part # 54N14 54N15 54N17</p> <p>Description Gas lens ceramic 8.0mm Gas lens ceramic 7.0mm Gas lens ceramic 5.0mm</p> 
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TR0004-16



RED
ANSI/AWS A5.12-98
ISO 6848 WT20

2% Thoriated: Best stability at medium currents, good arc starts, medium tendency to spit, medium erosion rate. Commonly used for steel and stainless steel applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part #	Description
TR0004-10	1.0mm x 175mm thoriated tungsten electrode 2%
TR0004-16	1.6mm x 175mm thoriated tungsten electrode 2%
TR0004-24	2.4mm x 175mm thoriated tungsten electrode 2%
TR0004-32	3.2mm x 175mm thoriated tungsten electrode 2%

TR0006-16



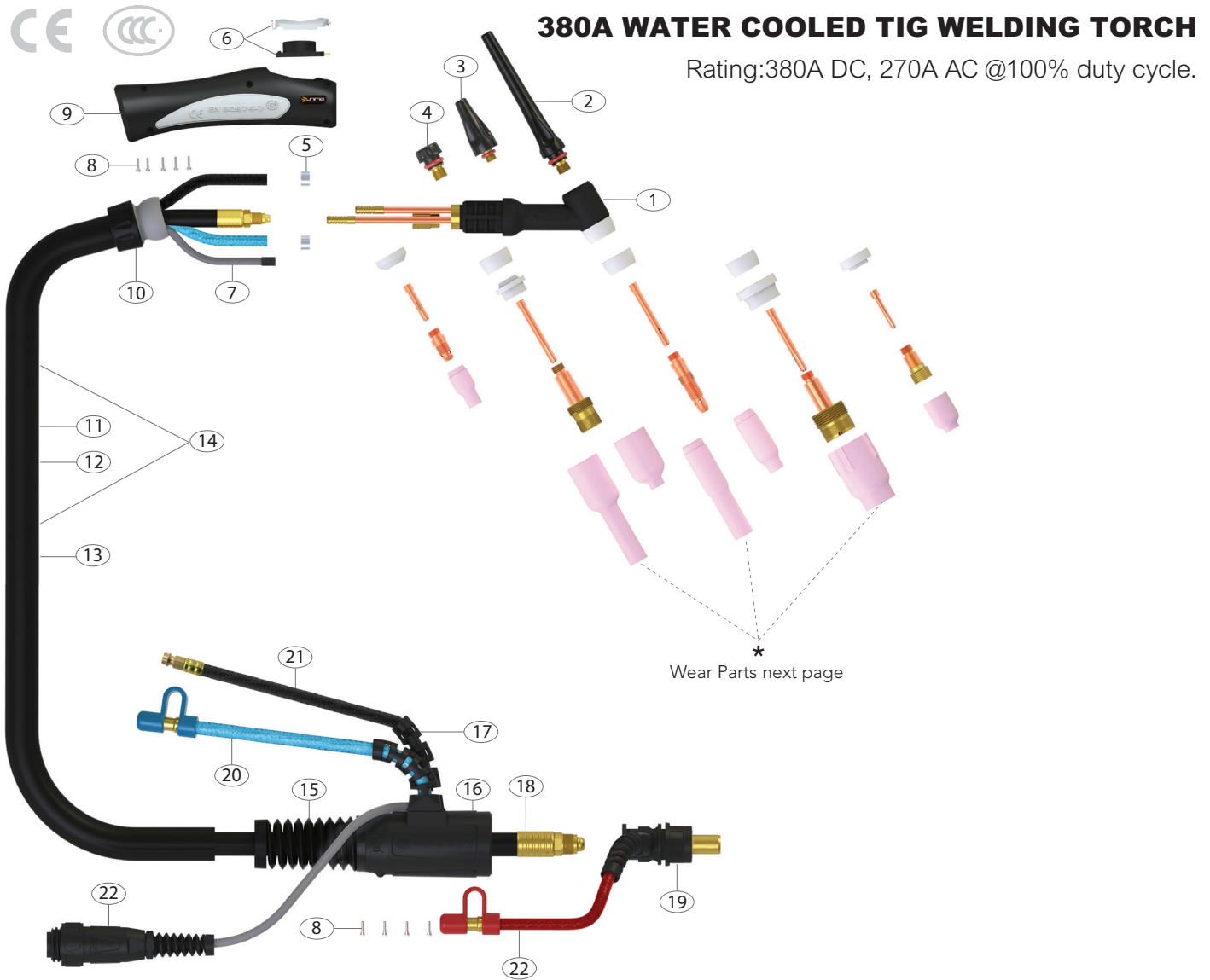
WHITE
ANSI/AWS A5.12 M-98
ISO 6848 WZ8

.8% Zirconiated: Balls well, handles higher current with less spitting, better arc starts and arc stability than pure tungsten
Commonly used for aluminium applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part #	Description
TR0006-10	1.0mm x 175mm zirconiated tungsten electrode 1%
TR0006-16	1.6mm x 175mm zirconiated tungsten electrode 1%
TR0006-24	2.4mm x 175mm zirconiated tungsten electrode 1%
TR0006-32	3.2mm x 175mm zirconiated tungsten electrode 1%

Suregrip Series SR18 ERGO TIG TORCH



380A WATER COOLED TIG WELDING TORCH

Rating: 380A DC, 270A AC @100% duty cycle.

Torch Model

Description	Part Number	
	4m	8m
SR18 Suregrip Tig Torch Package c/w QF Gas Connect	SR-18-4MCP50	SR-18-8MCP50

Spare Parts

Part Number	Description	Part Number	Description
1	WP18 Torch Body Standard	14	UERC0200-40 Sheath X 12.5ft Inc Leather Cover
	SG18FX Torch Body Flexible		UERC0200-80 Sheath X 25ft Inc Leather Cover
2	57Y02 Back Cap Long	15	USLH26-S Cable Support Large
3	57Y03 Back Cap Medium	16	USLH26-H "Surelok TM" Housing Large
4	57Y04 Back Cap Short	17	USLH1820-C "SurelokTM" Housing Support
5	UB5041 Water Hose Clamp 8.7mm	18	USL40V64AR Power Cable X 12.5ft "Surelok TM" Rubber
6	UER1MS Momentary Kit		USL41V29AR Power Cable X 25ft "Surelok TM" Rubber
7	UERSWL4 Trigger Lead 12.5ft	19	USL3550 "SurelokTM" Body & Support
	UERSWL8 Trigger Lead 25ft	20	*U45V07OB-SL-# Water Feed Hose X 12.5ft Rubber
8	UERSP1 Screw Pack		*U45V08OB-SL-# Water Feed Hose X 25ft Rubber
9	UERH200 Large Ergo Tig Handle	21	*U45V09OB -# Gas Supply Hose X 12.5ft Rubber
10	UERKJ200 Large Knuckle Joint		*U45V10OB -# Gas Supply Hose X 25ft Rubber
11	UERLC200-08 Leather Cover X 0.8mt UERJK200	22	*USL-1-# Water Return Hose
12	UERJK200 Jointing Repair Kit UERNCL-32		* NOTE: # = WF3 C/W Quick Fit
13	UERNCL-32 Neoprene Cover X 3.2mt	23	10004667 7 Pin Plug
	UERNCL-72 Neoprene Cover X 7.2mt		

Suregrip Series SR18 ERGO TIG TORCH



Standard Front End Parts

Part # 18CG
Description Cup Gasket



Part # 10N30
Description Collet Body 1.0mm
10N31
Description Collet Body 1.6mm
10N32
Description Collet Body 2.4mm
10N28
Description Collet Body 3.2mm



Part # 10N49L
Description Long Alumina Nozzle Ø 8mm #5L
53N48L
Description Long Alumina Nozzle Ø 10mm #6L
53N47L
Description Long Alumina Nozzle Ø 11mm #7L



Part # 10N22
Description Collet 1.0mm
10N23
Description Collet 1.6mm
10N24
Description Collet 2.4mm
10N25
Description Collet 3.2mm

Part # 10N50
Description Alumina Nozzle Ø 6mm #4
10N49
Description Alumina Nozzle Ø 8mm #5
10N48
Description Alumina Nozzle Ø 10mm #6
10N47
Description Alumina Nozzle Ø 11mm #7
10N46
Description Alumina Nozzle Ø 13mm #8
10N45
Description Alumina Nozzle Ø 16mm #10
10N44
Description Alumina Nozzle Ø 19mm #12



Compact Gas Lens Front End Parts

Part # 54N01
Description Gas Lens Gasket



Part # 45V25
Description Gas Lens Body 1.6mm
45V26
Description Gas Lens Body 2.4mm
45V27
Description Gas Lens Body 3.2mm



Part # 54N14
Description Gas lens ceramic 8.0mm
54N15
Description Gas lens ceramic 7.0mm
54N17
Description Gas lens ceramic 5.0mm



TR0004-16



RED
ANSI/AWS A5.12-98
ISO 6848 WT20

2% Thoriated: Best stability at medium currents, good arc starts, medium tendency to spit, medium erosion rate. Commonly used for steel and stainless steel applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part # TR0004-10
Description 1.0mm x 175mm thoriated tungsten electrode 2%
TR0004-16
Description 1.6mm x 175mm thoriated tungsten electrode 2%
TR0004-24
Description 2.4mm x 175mm thoriated tungsten electrode 2%
TR0004-32
Description 3.2mm x 175mm thoriated tungsten electrode 2%

TR0006-16



WHITE
ANSI/AWS A5.12 M-98
ISO 6848 WZ8

.8% Zirconiated: Balls well, handles higher current with less spitting, better arc starts and arc stability than pure tungsten. Commonly used for aluminium applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

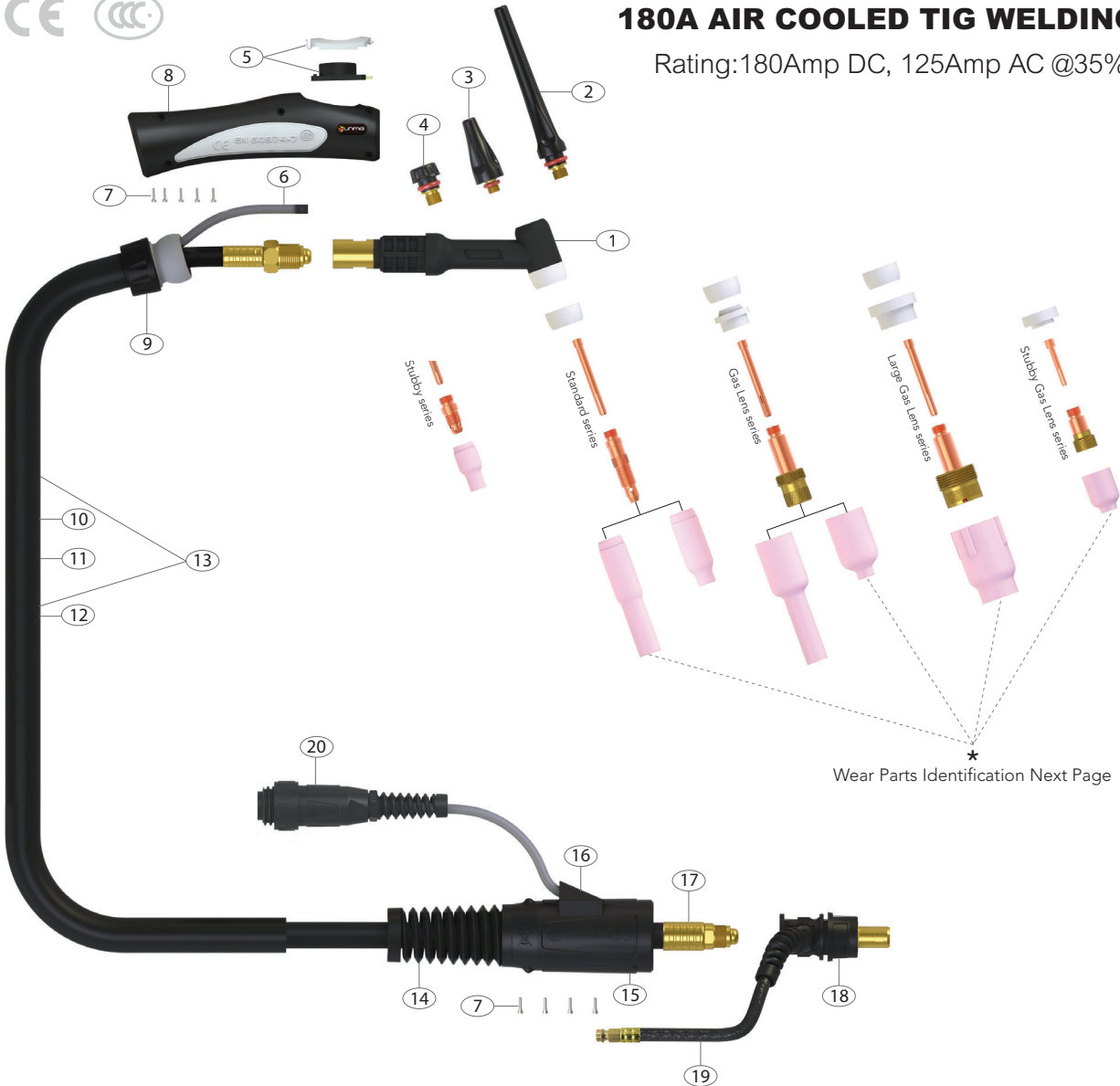
Part # TR0006-10
Description 1.0mm x 175mm zirconiated tungsten electrode 1%
TR0006-16
Description 1.6mm x 175mm zirconiated tungsten electrode 1%
TR0006-24
Description 2.4mm x 175mm zirconiated tungsten electrode 1%
TR0006-32
Description 3.2mm x 175mm zirconiated tungsten electrode 1%

Suregrip Series SR26 ERGO TIG TORCH



180A AIR COOLED TIG WELDING TORCH

Rating: 180Amp DC, 125Amp AC @35% duty cycle.



Wear Parts Identification Next Page

Torch Model

Description	Part Number	
	4m	8m
SR26 Suregrip Tig Torch Package c/w QF Gas Connect	SR-26-4MCP25	SR-26-8MCP25
	SR-26-4MCP50	SR-26-8MCP50
SR26 EURO Tig Torch - suit 205 / 205 Smartset MIG	SR26-4M	

Spare Parts

Part Number	Description	Part Number	Description
1	WP26 Torch head	12	UERNCL-32 Neoprene Cover X 3.2mt
	WP26F Torch head flexible		UERNCL-72 Neoprene Cover X 7.2mt
2	57Y02 Back cap long	13	UERCO200-40 Sheath X 12.5ft Inc Leather Cover
3	57Y03 Medium back cap		UERCO200-80 Sheath X 25ft Inc Leather Cover
4	57Y04 Short back cap	14	USLH26-S Cable Support Large
5	UER1MS Momentary Kit	15	USLH26-H "Surelok" Housing Large
6	UERSWL4 Trigger Lead 12.5ft	16	USLH26-C "Surelok" Housing Cover
	UERSWL8 Trigger Lead 25ft	17	USL46V28AR Power Cable X 12.5ft "Surelok" Rubber
7	UERSP1 Screw Pack		USL46V30AR Power Cable X 25ft "Surelok" Rubber
8	UERH200 Large Ergo Tig Handle	18	USL3550 "Surelok" Body & Support
9	UERKJ200 Large Knuckle Joint	19	USL-1-GS4 Gas Supply Hose
10	UERLC200-08 Leather Cover X 0.8mt	20	10004667 7 Pin Plug
11	UERJK200 Jointing Repair Kit		

Suregrip Series SR26 ERGO TIG TORCH



Standard Front End Parts

Part # 18CG
Description Cup Gasket



Part # 10N30
10N31
10N32
10N28
Description Collet Body 1.0mm
Collet Body 1.6mm
Collet Body 2.4mm
Collet Body 3.2mm



Part # 10N49L
53N48L
53N47L
Description Long Alumina Nozzle Ø 8mm #5L
Long Alumina Nozzle Ø 10mm #6L
Long Alumina Nozzle Ø 11mm #7L



Part # 10N22
10N23
10N24
10N25
Description Collet 1.0mm
Collet 1.6mm
Collet 2.4mm
Collet 3.2mm

Part # 10N50
10N49
10N48
10N47
10N46
10N45
10N44
Description Alumina Nozzle Ø 6mm #4
Alumina Nozzle Ø 8mm #5
Alumina Nozzle Ø 10mm #6
Alumina Nozzle Ø 11mm #7
Alumina Nozzle Ø 13mm #8
Alumina Nozzle Ø 16mm #10
Alumina Nozzle Ø 19mm #12

Compact Gas Lens Front End Parts

Part # 54N01
Description Gas Lens Gasket



Part # 45V25
45V26
45V27
Description Gas Lens Body 1.6mm
Gas Lens Body 2.4mm
Gas Lens Body 3.2mm



Part # 54N14
54N15
54N17
Description Gas lens ceramic 8.0mm
Gas lens ceramic 7.0mm
Gas lens ceramic 5.0mm



TR0004-16



RED
ANSI/AWS A5.12-98
ISO 6848 WT20

2% Thoriated: Best stability at medium currents, good arc starts, medium tendency to spit, medium erosion rate. Commonly used for steel and stainless steel applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part # TR0004-10
TR0004-16
TR0004-24
TR0004-32
Description 1.0mm x 175mm thoriated tungsten electrode 2%
1.6mm x 175mm thoriated tungsten electrode 2%
2.4mm x 175mm thoriated tungsten electrode 2%
3.2mm x 175mm thoriated tungsten electrode 2%

TR0006-16



WHITE
ANSI/AWS A5.12 M-98
ISO 6848 WZ8

.8% Zirconiated: Balls well, handles higher current with less spitting, better arc starts and arc stability than pure tungsten. Commonly used for aluminium applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part # TR0006-10
TR0006-16
TR0006-24
TR0006-32
Description 1.0mm x 175mm zirconiated tungsten electrode 1%
1.6mm x 175mm zirconiated tungsten electrode 1%
2.4mm x 175mm zirconiated tungsten electrode 1%
3.2mm x 175mm zirconiated tungsten electrode 1%

Suregrip Series

SRE26 ERGO TIG TORCH



180A AIR COOLED TIG WELDING TORCH

Rating: 180Amp DC, 125Amp AC @35% duty cycle.



Torch Model

Description	Part Number
SR26 Suregrip Tig Torch Package Euro Connection	4m SRE26-4M

Spare Parts

Part Number	Description	Part Number	Description
1	WP26 Torch head	12	UERNCL-32 Neoprene Cover X 3.2mt
	WP26F Torch head flexible		UERNCL-72 Neoprene Cover X 7.2mt
2	57Y02 Back cap long	13	UERCO200-40 Sheath X 12.5ft Inc Leather Cover
3	57Y03 Medium back cap		UERCO200-80 Sheath X 25ft Inc Leather Cover
4	57Y04 Short back cap		
5	UER1MS Momentary Kit		
6	UERSWL4 Trigger Lead 12.5ft		
	UERSWL8 Trigger Lead 25ft		
7	UERSP1 Screw Pack		
8	UERH200 Large Ergo Tig Handle		
9	UERKJ200 Large Knuckle Joint		
10	UERLC200-08 Leather Cover X 0.8mt		
11	UERJK200 Jointing Repair Kit		

Suregrip Series SRE26 ERGO TIG TORCH



Standard Front End Parts

Part #	Description	Part #	Description	Part #	Description
18CG	Cup Gasket	10N30	Collet Body 1.0mm	10N49L	Long Alumina Nozzle Ø 8mm #5L
		10N31	Collet Body 1.6mm	53N48L	Long Alumina Nozzle Ø 10mm #6L
		10N32	Collet Body 2.4mm	53N47L	Long Alumina Nozzle Ø 11mm #7L
		10N28	Collet Body 3.2mm		
				10N50	Alumina Nozzle Ø 6mm #4
				10N49	Alumina Nozzle Ø 8mm #5
				10N48	Alumina Nozzle Ø 10mm #6
				10N47	Alumina Nozzle Ø 11mm #7
				10N46	Alumina Nozzle Ø 13mm #8
				10N45	Alumina Nozzle Ø 16mm #10
				10N44	Alumina Nozzle Ø 19mm #12

Compact Gas Lens Front End Parts

Part #	Description	Part #	Description	Part #	Description
54N01	Gas Lens Gasket	45V25	Gas Lens Body 1.6mm	54N14	Gas lens ceramic 8.0mm
		45V26	Gas Lens Body 2.4mm	54N15	Gas lens ceramic 7.0mm
		45V27	Gas Lens Body 3.2mm	54N17	Gas lens ceramic 5.0mm

TR0004-16



RED
ANSI/AWS A5.12-98
ISO 6848 WT20

2% Thoriated: Best stability at medium currents, good arc starts, medium tendency to spit, medium erosion rate. Commonly used for steel and stainless steel applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part #	Description
TR0004-10	1.0mm x 175mm thoriated tungsten electrode 2%
TR0004-16	1.6mm x 175mm thoriated tungsten electrode 2%
TR0004-24	2.4mm x 175mm thoriated tungsten electrode 2%
TR0004-32	3.2mm x 175mm thoriated tungsten electrode 2%

TR0006-16



WHITE
ANSI/AWS A5.12 M-98
ISO 6848 WZ8

.8% Zirconiated: Balls well, handles higher current with less spitting, better arc starts and arc stability than pure tungsten. Commonly used for aluminium applications

1/16 x 7" (1.6mm x 175mm)
3/32 x 7" (2.4mm x 175mm)
1/8 x 7" (3.2mm x 175mm)

Part #	Description
TR0006-10	1.0mm x 175mm zirconiated tungsten electrode 1%
TR0006-16	1.6mm x 175mm zirconiated tungsten electrode 1%
TR0006-24	2.4mm x 175mm zirconiated tungsten electrode 1%
TR0006-32	3.2mm x 175mm zirconiated tungsten electrode 1%

STAINLESS STEEL MIG WIRE Precision Layer Wound

- High Quality Finish
- X-Ray Quality
- Precision Layer Wound
- Smooth Feeding
- Clean Welds
- International Approvals
- TUV Nord, DB, CWB



308LSi Stainless MIG Wire

Classification

AWS/ASME SFA 5.9 ER308LSi • DIN8556 SG-X2 Cr Ni 19 9 • EN12072 W19 9 LSi • M.No. 1.4316

For the MIG Welding of 308 and 308L Type Stainless Steels. Recommended for the general welding of 201, 302, 321, 347, 409 and 444 type stainless steels. The 0.03% maximum carbon content increases the resistance to inter granular corrosion. The 0.65-1.20% silicon content improves wetting behaviour in the gas shielded welding process.

Part-No	Description	Weight
SS308LSI-0.9	XA 308LSi x 0.9mm MIG Wire	12.5kg
SS308LSI-1.2	XA 308LSi x 1.2mm MIG Wire	12.5kg

309LSi Stainless MIG Wire

Classification

AWS/ASME SFA 5.9 ER309LSi • DIN8556 SG-X2 Cr Ni 24 12 • EN12072 G23 12 LSi

For the MIG Welding of 309 and 309L Type Stainless Steels. Suitable for a wide range of other welding applications including welding metals with dissimilar composition, an intermediate or buttering layer in the butt welding of clad steel, used as a buffering layer prior to the application hard facing materials. The 0.03% maximum carbon content increases the resistance to inter granular corrosion.

Part-No	Description	Weight
SS309LSI-0.9	XA 309LSi x 0.9mm MIG Wire	12.5kg
SSM309LSI1.2-12.5	XA 309LSi x 1.2mm MIG Wire	12.5kg

316LSi Stainless MIG Wire

Classification

AWS/ASME SFA 5.9 ER316LSi • DIN8556 SG-X2 Cr Ni Mo 19 12 • EN12072 G19 12 3 LSi • M.No. 1.4430

For the MIG Welding of 316 and 316L Type Stainless Steels and principally for welding molybdenum-bearing austenitic materials containing maximum 0.03% carbon. Also suitable for the general welding of other 300 and 400 series stainless steels including 301, 302, 304/304L, 321, 347, 410 and 430. The 0.65-1.20% silicon content improves wetting behaviour in the gas shielded welding process.

Part-No	Description	Weight
SS316LSI-0.8-1	XA 316LSi x 0.8mm MIG Wire	1.0kg
SS316LSI-0.9-1	XA 316LSi x 0.9mm MIG Wire	1.0kg
SS316LSI-0.8-5	XA 316LSi x 0.8mm MIG Wire	5.0kg
SS316LSI-0.9-5	XA 316LSi x 0.9mm MIG Wire	5.0kg
SS316LSI-0.9	XA 316LSi x 0.9mm MIG Wire	12.5kg
SSM316LSI-1.2	XA 316LSi x 1.2mm MIG Wire	12.5kg



ALUMINIUM TIG WIRE

- High Quality
- Triple Shaved
- X-Ray Quality
- Low Fume Factor
- Cleaner Welds



Approvals

AWS • ABS • CWB • Lloyds Register • DNV • TUV • DB

Xcel-Arc premium quality aluminium TIG wires are engineered for use in TIG welding applications where clean, oxide and porosity free welds are required. We source from the world's only fully integrated aluminium wire and rod mill. That means there is control in the quality and consistency of our products from start to finish, including melting raw material, continuous casting rod, to drawing, shaving, spooling, cleaning, testing and cutting of TIG wires. Xcel-Arc TIG wire is available in a variety of alloys and diameters to meet various aluminium welding fabrication requirements. Xcel-Arc aluminium TIG wires are stamped/embossed with the alloy for identification purposes.

XA4043 TIG Filler Wire

Part-No	Description	Weight
AT4043-1.6	4043 TIG FILLER ROD-4043-1.6MM	4.54KG
AT4043-2.4	4043 TIG FILLER ROD-4043-2.4MM	4.54KG
AT4043-3.2	4043 TIG FILLER ROD-4043-3.2MM	4.54KG



XA5356 TIG Filler Wire

Part-No	Description	Weight
AT5356-1.6-1KG	5356 TIG FILLER ROD-5356-1.6MM	1 KG
AT5356-2.4-1KG	5356 TIG FILLER ROD-5356-2.4MM	1 KG
AT5356-1.6	5356 TIG FILLER ROD-5356-1.6MM	4.54KG
AT5356-2.4	5356 TIG FILLER ROD-5356-2.4MM	4.54KG
AT5356-3.2	5356 TIG FILLER ROD-5356-3.2MM	4.54KG

STAINLESS STEEL TIG WIRE

- High Quality
- X-Ray Quality
- Hard Stamped I.D
- International Approvals
- TUV Nord, DB, CWB



308L Stainless TIG Wire

Classification

AWS/ASME SFA 5.9 ER308L • DIN8556 SG-X2 Cr Ni 19 9 • EN12072 W19 9 L • M.No. 1.4316

Austenitic stainless steel welding rod for TIG welding of unstabilised or stabilised corrosion resisting Cr-Ni steels. Resistant to inter-granular corrosion up to 350°C. Non-scaling up to 800°C, in air or oxidizing combustion gases. The filler wire can also be used for welding titanium and niobium stabilised steels such as ASTM 304Ti and ASTM 304Nb in cases where the construction is to be used at temperatures not exceeding 400°C.

Part-No	Description	Weight
TI308L-1.6	308L TIG FILLER ROD -1.6MM	5KG
TI308L-2.4	308L TIG FILLER ROD -2.4MM	5KG

309L Stainless TIG Wire

Classification

AWS/ASME SFA 5.9 ER309L • DIN8556 SGX 2 Cr Ni 2412 • EN12072 W23 12

Austenitic stainless steel welding rod for TIG welding of unstabilised or stabilised corrosion resisting Cr-Ni steels. Resistant to inter-granular corrosion up to 350°C. Non-scaling up to 800°C, in air or oxidizing combustion gases. The filler wire can also be used for welding titanium and niobium stabilised steels such as ASTM 304Ti and ASTM 304Nb in cases where the construction is to be used at temperatures not exceeding 400°C.

Part-No	Description	Weight
TI309L-1.6	309L TIG FILLER ROD -1.6MM	5KG
TI309L-2.4	309L TIG FILLER ROD -2.4MM	5KG

316L Stainless TIG Wire

Classification

AWS/ASME SFA 5.9 ER316L • DIN8556 WSG-2 Cr Ni Mo 1912 • EN1272 W19123 L • M.No. 1.4430

Austenitic stainless steel welding rod for TIG welding of unstabilised or stabilised corrosion resisting Cr-Ni-Mo steels. Resistant to inter-granular corrosion up to 400°C. The filler wire is also suitable for welding titanium and niobium stabilised steels such as ASTM 316Ti in cases where the construction is used at temperatures not exceeding 400°C.

Part-No	Description	Weight
TI316L-1.2	316L TIG FILLER ROD -1.2MM	5KG
TI316L-1.6-1	316L TIG FILLER ROD -1.6MM	1KG
TI316L-1.6	316L TIG FILLER ROD -1.6MM	5KG
TI316L-2.4-1	316L TIG FILLER ROD -2.4MM	1KG
TI316L-2.4	316L TIG FILLER ROD -2.4MM	5KG
TI316L-3.2	316L TIG FILLER ROD -3.2MM	5KG





TG2 - ER70S-6 TIG WIRE

- High Quality
- X-Ray Quality
- Clean Weld Finish
- International Approvals



Classification

AWS/ASME SFA 5.18 ER70S-6 • DIN 8559 WSG-2 • EN1688 W3 Si • M.No. 1.5125

Unalloyed welding rod for TIG welding of general structural steels and pipe steels. TG2 must be welded using pure Argon (Ar) shielding gas. Thin and homogeneous copper coating increase resistance to rusting

TG2 E70S-6 TIG Filler Wire

Part-No	Description	Weight
TG2ER70S-6-1.6	ER70S-6 TIG Rod x 1.6mm	5.0kg
TG2ER70S-6-2.4	ER70S-6 TIG Rod x 2.4mm	5.0kg

TG2-102 - ER70S-2 TIG WIRE

- High Quality
- Micro Alloyed
- Triple De-oxidised
- X-Ray Quality
- Clean Weld Finish
- International Approvals



Classification

AWS/ASME SFA 5.18 ER70S-2 • TS EN ISO 636 -A W 42 2 W2Ti • EN ISO 636-A W 42 2 W2Ti

Micro-alloyed welding rod for GTAW (TIG) welding of unalloyed steels by using Argon shielding gas. Due to its Ti and Al micro alloy contents, particularly suitable for single pass welding of galvanized, pre-painted, rusty and dirty steels, welding low alloy steels in pipe-lines, boilers and tank construction. Suitable also welding in thin metal plates and repair welds.

TG102 E70S-2 TIG Filler Wire

Part-No	Description	Weight
TG102ER70S-2-1.6	ER70S-2 TIG Rod x 1.6mm	5.0kg
TG102ER70S-2-2.4	ER70S-2 TIG Rod x 2.4mm	5.0kg

TG4 - ER70S-4 TIG WIRE

- Use DC (-) Polarity
- Double De-oxidised
- Welded with Pure Argon as the sheilding gas



Classification

AWS/ASME SFA 5.18 ER70S-6 • JIS Z3316 YGT 50

It is designed for welding of mild and high tensile steel or 490 N/mm² grade steel. It is suitable for root pass welding of pipes and all welding thin plates

TG4 E70S-4 TIG Filler Wire

Part-No	Description	Weight
TG4ER70S-4-1.6	ER70S-4 TIG Rod x 1.6mm	5.0kg
TG4ER70S-4-2.4	ER70S-4 TIG Rod x 2.4mm	5.0kg

Tungsten Electrodes

Tungsten is a rare metallic element used for manufacturing TIG welding electrodes. The TIG process relies on tungsten's hardness and high-temperature resistance to carry the welding current to the arc. Tungsten has the highest melting point of any metal, 3,410 degrees Celsius.

Tungsten electrodes are nonconsumable and come in a variety of sizes, they are made from pure tungsten or an alloy of tungsten and other rare earth elements. Choosing the correct tungsten depends on the material being welded, the amount of amps required and whether you are using AC or DC welding current.

Tungsten electrodes are colour-coded at the end for easy identification.

Below are the most commonly used tungsten electrodes found in the New Zealand and Australian market.

Thoriated

Thoriated tungsten electrodes (AWS classification EWTh-2) contain a minimum of 97.30 percent tungsten and 1.70 to 2.20 percent thorium and are called 2 percent thoriated. They are the most commonly used electrodes today and are preferred for their longevity and ease of use. Thorium however is a low-level radioactive hazard and many users have switched to other alternatives. Regarding the radioactivity, thorium is an alpha emitter but when it is enclosed in a tungsten matrix the risks are negligible. Thoriated tungsten should not get in contact with open cuts or wounds. The more significant danger to welders can occur when thorium oxide gets into the lungs. This can happen from the exposure to vapours during welding or from ingestion of material/dust in the grinding of the tungsten. Follow the manufacturer's warnings, instructions, and the Material Safety Data Sheet (MSDS) for its use.

E3 (Color Code: Purple)

E3 tungsten electrodes (AWS classification EWG) contain a minimum of 98% percent tungsten and up to 1.5 percent Lanthanum and small percentages of Zirconium and Yttrium they are called E3 Tungsten. E3 Tungsten Electrodes provide conductivity similar to that of thoriated electrodes. Typically, this means that E3 Tungsten Electrodes are exchangeable with thoriated electrodes without requiring significant welding process changes. E3 deliver superior arc starting, electrode lifetime, and overall cost-effectiveness. When E3 Tungsten Electrodes are compared with 2% thoriated tungsten, E3 requires fewer re-grinds and provides a longer overall lifetime. Tests have shown that ignition delay with E3 Tungsten Electrodes actually improves over time, while 2% thoriated tungsten starts to deteriorate after only 25 starts. At equivalent energy output, E3 Tungsten Electrodes run cooler than 2% thoriated tungsten, thereby extending overall tip lifetime. E3 Tungsten Electrodes work well on AC or DC. They can be used DC electrode positive or negative with a pointed end, or balled for use with AC power sources.

Ceriated (Color Code: Orange)

Ceriated tungsten electrodes (AWS classification EWCe-2) contain a minimum of 97.30 percent tungsten and 1.80 to 2.20 percent cerium and are referred to as 2 percent ceriated. Ceriated tungstens perform best in DC welding at low current settings. They have excellent arc starts at low amperages and become popular in such applications as orbital tube welding, thin sheet metal work. They are best used to weld carbon steel, stainless steel, nickel alloys, and titanium, and in some cases it can replace 2 percent thoriated electrodes. Ceriated tungsten is best suited for lower amperages it should last longer than Thoriated tungsten higher amperage applications are best left to Thoriated or Lanthanated tungsten.

Lanthanated (Color Code: Gold)

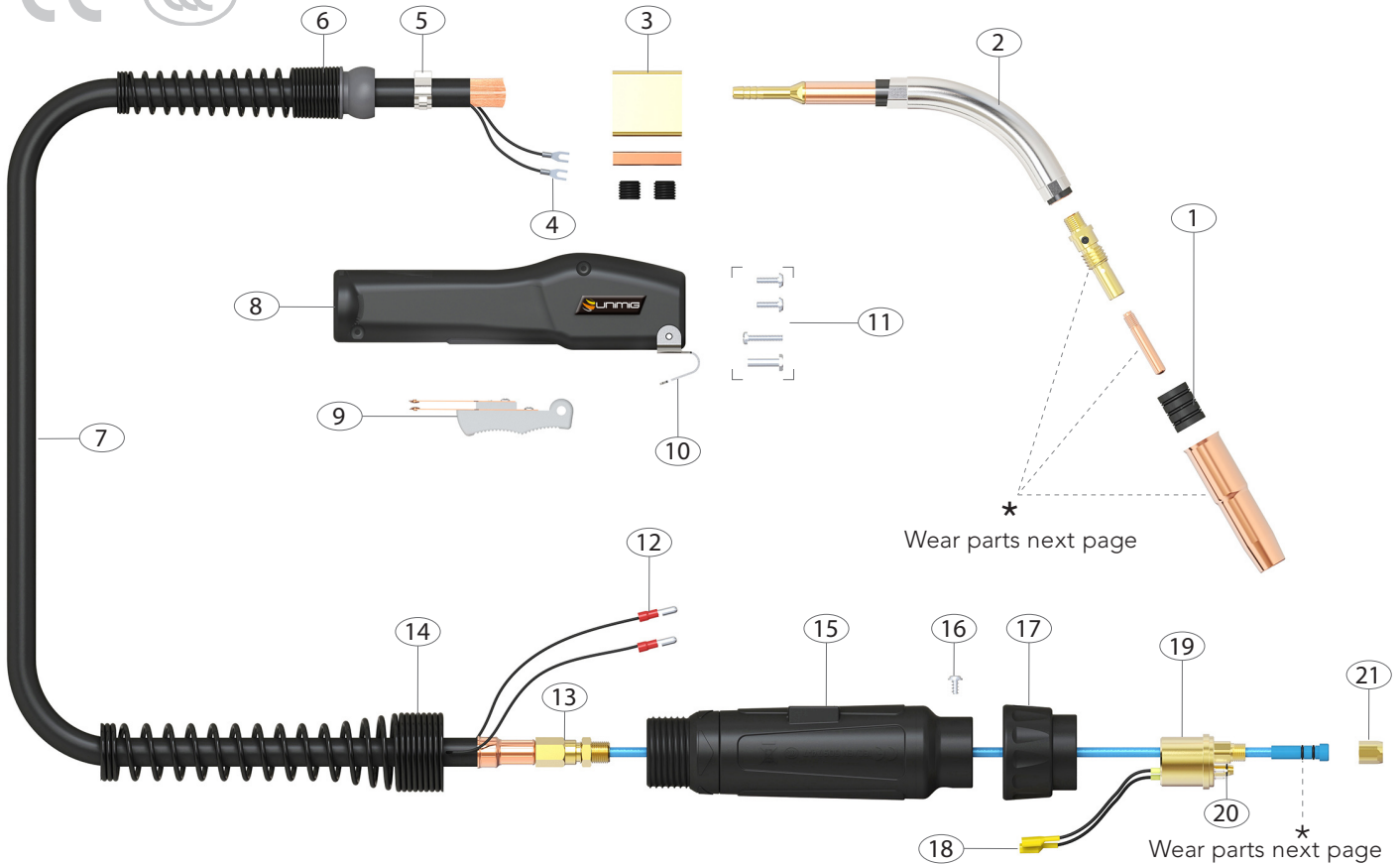
Lanthanated tungsten electrodes (AWS classification EWL-1.5) contain a minimum of 97.80 percent tungsten and 1.30 percent to 1.70 percent lanthanum, and are known as 1.5 percent lanthanated. These electrodes have excellent arc starting, a low burn off rate, good arc stability, and excellent re-ignition characteristics. Lanthanated tungstens also share the conductivity characteristics of 2 percent thoriated tungsten. Lanthanated tungsten electrodes are ideal if you want to optimise your welding capabilities. They work well on AC or DC electrode negative with a pointed end, or they can be balled for use with AC sine wave power sources. Lanthanated tungsten maintains a sharpened point well, which is an advantage for welding steel and stainless steel on DC or AC from square wave power sources.

Zirconiated (Color Code: White)

Zirconiated tungsten electrodes (AWS classification EWZr-1) contain a minimum of 99.10 percent tungsten and 0.15 to 0.40 percent zirconium. Most commonly used for AC welding Zirconiated tungsten produces a very stable arc and is resistant to tungsten spitting. It is ideal for AC welding because it retains a balled tip and has a high resistance to contamination. Its current-carrying capacity is equal to or greater than that of thoriated tungsten. Zirconiated tungsten is not recommended for DC welding.

TWC2 Air Cooled Mig Welding Torch

Rating: 200A CO2 150A mixed gas, EN60974-7 @ 60% duty cycle. 0.6 to 1.2mm wires



Torch Model

Description	Part Number		
	12ft	15ft	17ft
Welding Torch c/w Euro Fitting	TWC2-12FTE	TWC2-15FTE	TWC2-17FTE

Spare Parts

Part Number	Description	Part Number	Description
1	PWGA32 Adjustable Nozzle Insulator	9	U92 Grey Trigger Switch
2	U62J60 TW No.2 Metal Jacket Neck Assembly	10	U152 Hanger Hook
	WGA62A-45 45 Degree Neck Assembly	11	U122FMS Screw Kit
	WGA62A-60 60 Degree Neck Assembly	112	UB1522 Cable Terminal Male
3	U102 Block C/W Spacer & Screws	13	UXL1542 Cable End Lock Nut (M12 X 1.0)
4	U244T Control Wire Terminals	14	UPA2041 Cable Support
5	UB5044 Hose Clamp 18.5mm	15	UB1518 Gun Plug Housing C/W Nut
6	U141-6S Spring Cable Support Small & Ball Joint	16	UB1526 Gun Plug Screw
7	U200-10E Hyperflex C/Assy X 10ft Euro	17	UB1519/S Gun Plug Nut
	U200-12E Hyperflex C/Assy X 12ft Euro	18	UB1523 Gun Plug Terminal Female
	U200-15E Hyperflex C/Assy X 15ft Euro	19	U174EX-1 TWC Euro Gun Plug Body
	U200-10 Hyperflex C/Assy X 10ft	20	UB1524 Gun Plug 'O' Ring
	U200-12 Hyperflex C/Assy X 12ft	21	UXL1826 Liner Retaining Nut
	U200-15 Hyperflex C/Assy X 15ft		
8	UP83 Handle With Hook & Screw		

These parts are manufactured in China and are offered as replacement parts suitable for "TWECO" style torches.

Suregrip Series TWC2 STYLE MIG TORCH



Front end consumables



TWC2 Contact Tips

Part Number	Description	
PWGA14-30	Contact tip 0.8mm	QTY10
PWGA14-35	Contact tip 0.9mm	QTY10
PWGA14-40	Contact tip 1.0mm	QTY10
PWGA14-45	Contact tip 1.2mm	QTY10



TWC2 Contact Tips H/D

Part Number	Description	
PWGA14H-30	Contact H/D tip 0.8mm	QTY10
PWGA14H-35	Contact H/D tip 0.9mm	QTY10
PWGA14H-40	Contact H/D tip 1.0mm	QTY10
PWGA14H-45	Contact H/D tip 1.2mm	QTY10
PWGA14H-52	Contact H/D tip 1.4mm	QTY10
PWGA14H-564	Contact H/D tip 2.0mm	QTY10
PWGA14AH-364	Contact H/D Aluminium tip 1.2mm	QTY10
PWGA14AH-116	Contact H/D Aluminium tip 1.6mm	QTY10



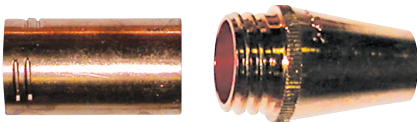
TWC2 Gas Diffuser

Part Number	Description	
PWGA52	Gas Diffuser	QTY2
PWGA52FN	Gas Diffuser to suit fixed nozzle	QTY2



TWC2 Torch Nozzle

Part Number	Description	
PWGA22A50	Nozzle Adjustable 13mm	QTY2
PWGA22A62	Nozzle Adjustable 16mm	QTY2



TWC2 Torch Nozzle Fixed

Part Number	Description	
PWGA34CT	Nozzle Insulator	QTY2
PWGA23-50	Nozzle fixed 13mm	QTY2
PWGA23-62	Nozzle fixed 16mm	QTY2
PWGS24CT50S	Nozzle fixed 13mm	QTY2
PWGA24CT62S	Nozzle fixed 16mm	QTY2

Liners



TWC2 Liners

Part Number	Description
WGA42-3035-15	Liner 15 ft 0.8 - 0.9mm
WGA42-4045-15	Liner 15ft 1.0 - 1.2mm
WGA42N-4045-15	Liner 15ft 1.0 - 1.2mm Alloy

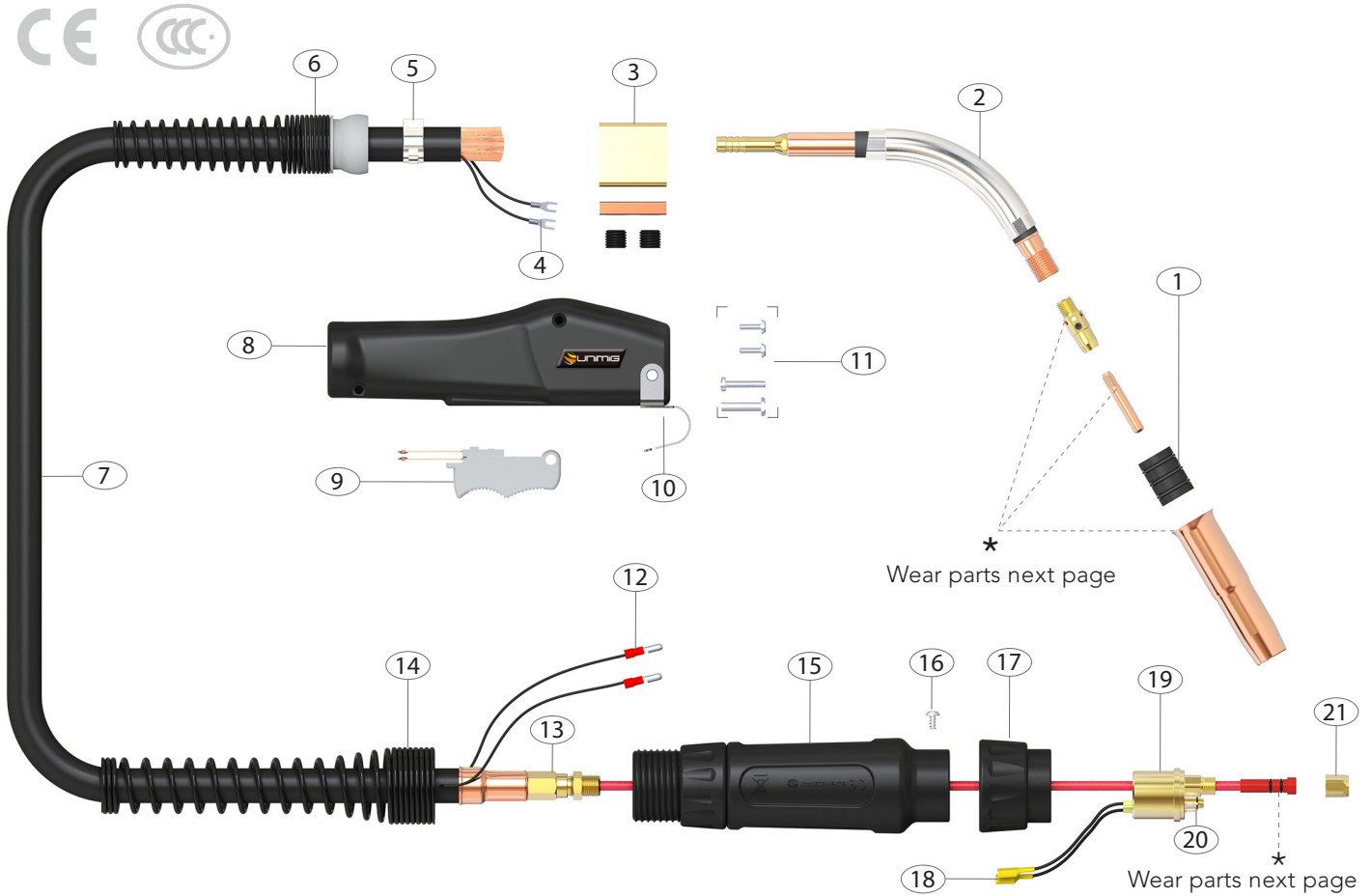
These parts are manufactured in China and are offered as replacement parts suitable for "TWECO" style torches.

Suregrip Series TWC4 STYLE MIG TORCH



TWC4 Air Cooled Mig Welding Torch

Rating: 400A CO2 350A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 2.0mm wires



Torch Model Description	Part Number		
	12ft	15ft	17ft
Welding Torch c/w Euro Fitting	TWC4-12FTE	TWC4-15FTE	TWC4-17FTE
Welding Torch c/w TWC Fitting	TWC4-12FTT	TWC4-15FTT	

Spare Parts			
Part Number	Description	Part Number	Description
1	PWGA34A Adjustable Nozzle Insulator	9	U94R Grey Trigger Switch
2	U64J60 Metal Jacket Neck Assembly	10	U154 Hanger Hook
	WGA64A-45 45 Degree Neck Assembly	11	U124FMS Screw Kit
	WGA64A-60 60 Degree Neck Assembly	12	UB1522 Cable Terminal Male
3	U104 Connection Block C/W Spacer	13	UXL1542 Cable End Lock Nut (M12 X 1.0)
4	U244T Control Wire Terminals	14	UC8026 Spring Cable Support
5	U132-12 Cable Hose Clamp	15	UB1518L Gun Plug Housing C/W Nut
6	UBE8018 Spring Cable Support & Ball Joint	16	UB1526 Gun Plug Screw
7	U400-10E Hyperflex C/Assy X 10ft Euro	17	UB1519/S Gun Plug Nut
	U400-12E Hyperflex C/Assy X 12ft Euro	18	UB1523 Gun Plug Terminal Female
	U400-15E Hyperflex C/Assy X 15ft Euro	19	U174EX-1 TWC Euro Gun Plug Body
	U400-10 Hyperflex C/Assy X 10ft	20	UB1524 Gun Plug 'O' Ring
	U400-12 Hyperflex C/Assy X 12ft	21	UXL1826 Liner Retaining Nut
	U400-15 Hyperflex C/Assy X 15ft		
8	UP84A Handle With Hook & Screw		

These parts are manufactured in China and are offered as replacement parts suitable for "TWECO" style torches.

Suregrip Series TWC4 STYLE MIG TORCH



Front end consumables



TWC4 Contact Tips

Part Number	Description	
PWGA14-30	Contact tip 0.8mm	QTY10
PWGA14-35	Contact tip 0.9mm	QTY10
PWGA14-40	Contact tip 1.0mm	QTY10
PWGA14-45	Contact tip 1.2mm	QTY10



TWC4 Contact Tips H/D

Part Number	Description	
PWGA14H30	Contact H/D tip 0.8mm	QTY10
PWGA14H35	Contact H/D tip 0.9mm	QTY10
PWGA14H40	Contact H/D tip 1.0mm	QTY10
PWGA14H45	Contact H/D tip 1.2mm	QTY10
PWGA14H52	Contact H/D tip 1.4mm	QTY10
PWGA14H564	Contact H/D tip 2.0mm	QTY10
PWGA14AH-364	Contact H/D Aluminium tip 1.2mm	QTY10
PWGA14AH-116	Contact H/D Aluminium tip 1.6mm	QTY10



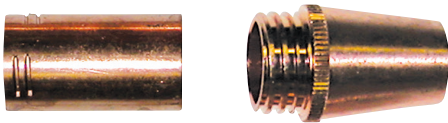
TWC4 Gas Diffuser

Part Number	Description	
PWGA54A	Gas diffuser	QTY2



TWC4 Torch Nozzle

Part Number	Description	
PWGA24A50	Nozzle 13mm	QTY2
PWGA24A62	Nozzle 16mm	QTY2



TWC4 Torch Nozzle Fixed

Part Number	Description	
PWGA34CT	Nozzle Insulator	QTY2
PWGA24CT50S	Nozzle fixed 13mm	QTY2
PWGA24CT62S	Nozzle fixed 16mm	QTY2
PWGA23-50	Nozzle fixed 13mm	QTY2
PWGA23-62	Nozzle fixed 16mm	QTY2

Liners



TWC4 Liners

Part Number	Description
WGA44-3545-15	Liner 15 ft 0.9-1.2mm
WGA44-116-15	Liner 15ft 1.6mm
WGA44-564-15	Liner 15ft 2.0mm
WGA44N-3545-15	Liner 15 ft 0.9-1.2mm Alloy
WGA44N-116-15	Liner 15 ft 1.6mm Alloy

These parts are manufactured in China and are offered as replacement parts suitable for "TWECO" style torches.

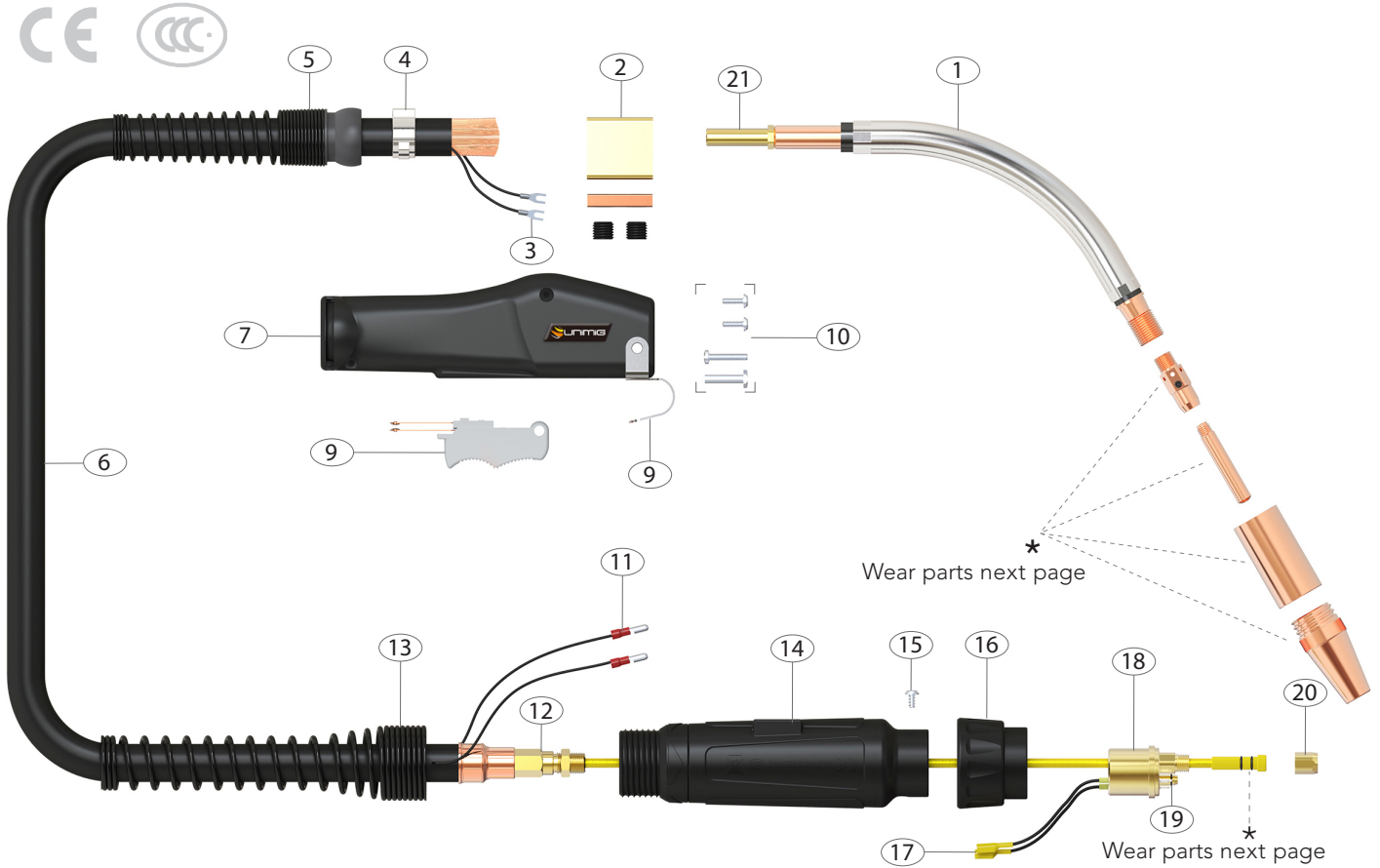
Suregrip Series

TWC5 STYLE MIG TORCH



TWC5 Air Cooled Mig Welding Torch

Rating: 500A CO2 4000A mixed gas, EN60974-7 @ 60% duty cycle. 0.9 to 2.8mm wires



Torch Model	Description		
	12ft	15ft	17ft
Welding Torch c/w Euro Fitting	TWC5-12FTE	TWC5-15FTE	TWC5-17FTE
Welding Torch c/w Tweco Fitting	TWC5-12FTT	TWC5-15FTT	

Spare Parts			
Part Number	Description	Part Number	Description
1	WGA65J60 Metal Jacket Neck Assembly	7	UP85 Handle With Hook & Screw
	WGA65A45 Swan Neck 45 Degree	8	U94R Grey Trigger Switch
	WGA65J45 Heavy Duty Swan Neck 45 Degree	9	U154 Hanger Hook
	WGA65A60 Swan Neck 60 Degree	10	U122FMS Screw Kit
	WGA65J60 Heavy Duty Swan Neck 60 Degree	11	UB1522 Cable Terminal Male
2	U104 Connection Block C/W Spacer	12	UXL1542 Cable End Lock Nut (M12 X 1.0)
3	U244T Control Wire Terminals	13	UC8026 Spring Cable Support
4	U134-14 Cable Hose Clamp	14	UB1518L Gun Plug Housing C/W Nut
5	UBE8018 Spring Cable Support & Ball Joint	15	UB1526 Gun Plug Screw
6	U500-10E Hyperflex C/Assy X 10ft Euro	16	UB1519/S Gun Plug Nut
	U500-12E Hyperflex C/Assy X 12ft Euro	17	UB1523 Gun Plug Terminal Female
	U500-15E Hyperflex C/Assy X 15ft Euro	18	U174EX-1 TWC Euro Gun Plug Body
	U500-10 Hyperflex C/Assy X 10ft	19	UB1524 Gun Plug 'O' Ring
	U500-12 Hyperflex C/Assy X 12ft	20	UXL1826 Liner Retaining Nut
	U500-15 Hyperflex C/Assy X 15ft	21	WGA65N Nipple

These parts are manufactured in China and are offered as replacement parts suitable for "TWECO" style torches.

Suregrip Series TWC5 STYLE MIG TORCH



Front end consumables



TWC5 Contact Tips H/D

Part Number	Description	QTY
PWGA15H-35	Contact Heavy Duty Tip 0.9mm	QTY10
PWGA15H-40	Contact Heavy Duty Tip 1.0mm	QTY10
PWGA15H-45	Contact Heavy Duty Tip 1.2mm	QTY10
PWGA15H-52	Contact Heavy Duty Tip 1.3mm	QTY10
PWGA15H-116	Contact Heavy Duty Tip 1.6mm	QTY10
PWGA15H-564	Contact Heavy Duty Tip 2.0mm	QTY10
PWGA15-AH45	Contact Heavy Duty Tip 1.2mm Aluminium	QTY10
PWGA15-AH116	Contact Heavy Duty Tip 1.6mm Aluminium	QTY10



TWC5 Contact Tips Holder

Part Number	Description	QTY
PWGA55	Contact Tip Holder 1.6-2.0mm	QTY2
PWGA55-SW	Contact Tip Holder 0.9-1.2mm	QTY2
PWGA55-H	Contact Tip Holder 2.4-2.8mm	QTY2



TWC5 Insulator

Part Number	Description	QTY
PWGA35CT	Insulator	QTY2



TWC5 Torch Nozzle Fixed

Part Number	Description	QTY
PWGA25CT62	Standard 16mm fixed	QTY2
PWGA25CT75	Standard 20mm fixed	QTY2

These parts are manufactured in China and are offered as replacement parts suitable for "TWECO" style torches.

PROTECTIVE SAFETY WEAR

Automatic Welding Helmets



4 Arc Sensors

Maintain constant sensing and automatically switches the helmet from light to dark and back again.

Enhanced Viewing Area

Offers a larger viewing area for the operator. This larger viewing area enhances the operators view of the welding area

True Colour

High Definition Filter Technology is a feature that greatly improves the optics allowing the user to see a full spectrum of colours. It also helps to alleviate eye fatigue making it safer for extended periods of welding.

Operator Comfort

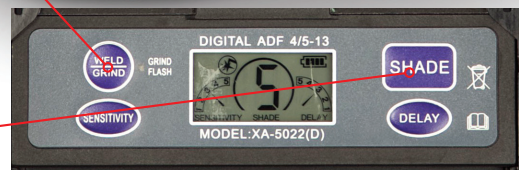
Lightweight Design makes wearing the welding helmet more comfortable for the operator.

Grind Mode

Allows the operator to switch the helmet from the welding mode into a fixed shade for grinding. This function removes the need for the operator to change visors and to simply use the welding helmet for grinding when required.

Shade Control

Automatic Welding Lens allows the operator to switch between variable welding shades from 5-9 and 9-13. The switching speed of the lens is a very fast 0.08m/s from light to dark.



FITTED WITH TRUE COLOUR LENS

Helmet Specifications

Filter dimension	114 x 133mm
View size	100 x 60mm
Classification	1/2/1/1
Sensors	4
Light state	4
Dark state	Variable shade 5-9/9-13
Power control	Fully automatic
Shade control	Internal, digital control
Switching time at 23°C	0.08ms
Sensitivity & Delay time control	Internal, digital control
Time from dark to light	0.1s-0.9s, digital control
Grinding function	Yes, digital control
Grinding warning flash	Yes
Low battery Warring indicator	Yes, digital control
Operation temperature	-10°C - 65°C
Storing temperature	-20°C - 85°C
Power supply	Solar cell, CR2450 Lithium battery, replaceable
Certifications approved	CE, ANSI, CSA, AS/NZS 1338.1 (Auto-Darkening) AS/NZS 1337.1 B (High Impact)



UNIMIG HELMET- UMRWWH

Part-No	Description
UMRWWH	RAZORWELD Automatic Welding Helmet
UMRBOP	Front Cover Lens 133 x 114mm
UMRBIP	Inside Cover Lens 105 x 66mm
UMRWXHR	Harness (Head Band Assembly)
UMSB	Sweat Band
UMABT	Battery

UMRBOP
Front Cover Lens
133 x 114mm

UMRBIP
Inside Filter Lens Cover
105 x 66mm



UNIMIG 200 COMPACT

MIG/TIG/MMA - 200 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper

UNIMIG

Features

- ✓ Latest IGBT inverter technology
- ✓ MIG/MAG with Gas and Gasless wire function
- ✓ Spool Gun connection
- ✓ MMA
- ✓ DC TIG welding with Lift Arc start
- ✓ VRD (Voltage Reduction Device)
- ✓ Wire Inch & Burn Back control
- ✓ Industrial application
- ✓ Internal wire feeder, gear driven
- ✓ 5Kg to 15Kg Spools
- ✓ Euro style MIG torch connection
- ✓ IP21S rating for environmental /safety protection
- ✓ Stepless voltage and wire feed control
- ✓ Excellent MIG welding with CO2 gas & mixed gas
- ✓ Excellent arc stability for MIG/TIG/MMA welding



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	15% @ 200 Amps MIG 15% @ 200 Amps MMA
Output Current Range MIG	30A/15.5V - 200A/24.0V
Output Current Range MMA	10A/20.4V - 200A/28.0V
Rated Power MIG	7.5 KVA
Rated Power MMA	8.8 KVA
I_{eff} MIG	18.6 Amps
I_{eff} MMA	31.4 Amps
Power factor	0.75
Protection Class	IP 21S
Insulation Class	F
Wire Feeder	Gear Driven 2 Roll
Dimensions Power Source (LxWxH)	900x400x670mm
Weight Power Source	57Kg
Warranty	3 years on machine



26V-4MCP50
TIG Torch Option



PLSP240
SpoolGun Option

Overview

The UNIMIG 200K is an inverter-based multifunction MIG welding machine with added MMA and TIG function. The MIG function allows you to weld with both Gas Shielded and Gasless wire applications. Easy stepless adjustment of voltage and wire feed make for easy setting of welding parameters giving excellent, professional welding results. Wire inch allows easy feeding of the wire during set up without gas wastage and the Burn Back adjustment leaves the wire out ready for the next weld. An additional feature is the Spoolgun ready function that allows the simple connection of the PLSP240 Spoolgun for the use of thin or softer wires that don't have the column strength to feed through standard MIG torches, such as aluminium wire. Added MMA welding capability delivers easy and high quality welding using electrodes, including cast Iron, stainless and low hydrogen. Connection of the 26V TIG torch provides quality DC TIG with Lift Arc start for welding of steel, stainless steel and copper. The machine is industrial rated and of solid construction, large industrial wheels allows easy and smooth manoeuvrability. Being 240v single phase gives great portability, providing more flexible use for site and home workshop locations. Ideal for general engineers, maintenance workshop, rural workshops and panel beaters. Designed and built to our specification. Certified to - AS/NZ60974-1

MACHINE PACKAGE: KUMJR200K-SG

Standard Package includes: KUMJR200K Machine, SB24 4M Sure Grip MIG Torch, Earth Lead & Arc Lead 25mm x 4m, UNI-FLAME Twin Gauge Argon Regulator, 2M Gas Hose



UNIMIG 250 COMPACT

MIG/TIG/MMA - 250 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper

UNIMIG

Features

- ✓ Latest IGBT inverter technology
- ✓ MIG/MAG with Gas and Gasless wire function
- ✓ Spool Gun connection
- ✓ MMA
- ✓ DC TIG welding with Lift Arc start
- ✓ VRD (Voltage Reduction Device)
- ✓ Wire Inch & Burn Back control
- ✓ Industrial application
- ✓ Internal wire feeder, gear driven
- ✓ 5Kg to 15Kg Spools
- ✓ Euro style MIG torch connection
- ✓ IP21S rating for environmental/safety protection
- ✓ Stepless voltage and wire feed control
- ✓ Excellent MIG welding with CO2 gas & mixed gas
- ✓ Excellent arc stability for MIG/TIG/MMA welding

Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	35% @ 250 Amps MIG 35% @ 250 Amps MMA
Output Current Range MIG	30A/15.5V - 250A/26.5V
Output Current Range MMA	10A/20.4V - 250A/30.0V
Rated Power MIG	10.4 KVA
Rated Power MMA	11.8 KVA
I_{eff} MIG	25.4 Amps
I_{eff} MMA	29.0 Amps
Power factor	0.75
Protection Class	IP 21S
Insulation Class	F
Wire Feeder	Gear Driven 2 Roll
Dimensions Power Source (LxWxH)	900x400x670mm
Weight Power Source	58Kg
Warranty	3 years on machine



26V-4MCP50
TIG Torch Option

PLSP240
SpoolGun Option

Overview

The UNIMIG 250K is an inverter-based multifunction MIG welding machine with added MMA and TIG function. The MIG function allows you to weld with both Gas Shielded and Gasless wire applications. Easy stepless adjustment of voltage and wire feed make for easy setting of welding parameters giving excellent, professional welding results. Wire inch gives easy feeding of the wire during set up without gas wastage and the Burn Back adjustment leaves the wire out ready for the next weld. An additional feature is the Spoolgun ready function that allows the simple connection of the PLSP240 Spoolgun for the use of thin or softer wires that don't have the column strength to feed through standard MIG torches, such as aluminium wire. Added MMA welding capability delivers easy and high quality welding using electrodes, including cast Iron, stainless and low hydrogen. Connection of the 26V TIG torch provides quality DC TIG with Lift Arc start for welding of steel, stainless steel and copper. The machine is industrial rated and of solid construction, large industrial wheels allows easy and smooth manoeuvrability. Being 240v single phase gives great portability, providing more flexible use for site and workshop locations. Ideal for general engineers, maintenance workshop and rural workshops. Designed and built to our specification. Certified to - AS/NZ60974-1

MACHINE PACKAGE: KUMJR250K-SG

Standard Package includes: KUMJR250K Machine, SB24 4M Sure Grip MIG Torch, Earth Lead & Arc Lead 25mm x 4m, UNI-FLAME Twin Gauge Argon Regulator, 2M Gas Hose



UNIMIG TIG 315 AC/DC Square Wave, Pulse, Remote Control

Welds: Aluminium, Zinc Alloy, Carbon Steels, Alloy Steels, Stainless, Cast Iron, Bronze, Copper



TIG/MMA 315 Amp AC/DC Inverter Welder HF, Pulse, 2T/4T, Down Slope, Post Gas, Remote Amperage Control, Square Wave AC

Features

- Latest IGBT Inverter Technology
- AC/DC TIG (AC/DC tungsten inert gas welding)
- HF TIG Function (provides easy arc start, prevents tungsten damage)
- 2T/4T Trigger Function
- VRD Safety (Voltage Reduction Device)
- AC Square Wave with Adjustable AC Balance Control
- Adjustable Pulse Control - 0.5 - 300Hz
- Adjustable Base Current 10-90%
- Adjustable Down Slope 0-10 sec
- Adjustable Post Gas 0-10 sec
- MMA
- Hot start (improves electrode starting)
- Arc Force (stabilises the arc with difficult to use electrodes)
- Remote Amperage Control - Optional



Standard Amperage Control for torch



SR-18-4MCP50
Water Cooled Torch Option



UTJRFC
Remote Foot Control Option

UTJRTROLLEY3
Water cooled Trolley Option

Technical Data

Power Supply / Phases (V-Ph)	415V - 3 ±15%
Rated Input Power (KVA)	12.2
I _{eff} (Amps)	13
Rated Output	20-250A MMA 10-315A TIG
No-Load Voltage (V)	30
Duty Cycle @ 40°C as per AS/NZ60974-1	20%@250Amps MMA 20%@300Amps TIG
Efficiency (%)	85
Power Factor	0.93
Protection Class	IP21S
Insulation Class	F
Size (mm)	560x365x355
Weight (kg)	37Kg
Warranty	3 years on power source
Certification Approval	AS/NZ60974-1

Overview

The UNIMIG 315AC/DC is a 415V square wave AC/DC TIG inverter welder incorporating full TIG functionality including AC balance control, pre gas, down slope, post gas, variable pulse parameters, HF start with 2T/4T trigger control. The HF arc start provides easy arc ignition preventing tungsten inclusion and contamination of the tungsten electrode. The adjustable Down Slope and Post Gas combined with the 2T/4T trigger function gives you control of the welder allowing you to control the start and finish of the weld process at a professional level. The addition of a fully adjustable pulse function of frequency, base current and pulse width gives you the added capability to better control heat input into the work, control penetration & control distortion. AC balance control lets you set the AC TIG arc for cleaning of the oxide layer on aluminium and adjustment for a deeper penetrating weld. Combining the functions of the UNIMIG 315AC/DC ensures comprehensive control of the welding parameters when welding both AC and DC weldable materials giving you the ability to produce professional TIG welds. The DC MMA welding capability delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen. Addition of the optional Foot Control provides variable amperage adjustment during welding. The UNIMIG 315AC/DC is ideal for multiple applications; aluminium & stainless steel fabrication and repair and maintenance applications. Robust & reliable, built to our specification and manufactured in compliance to AS/NZ60974-1

MACHINE PACKAGE: KUMJR315AC/DC

Standard option includes: KUMJR315AC/DC Machine, SR26 TIG Torch x 4m, Earth Lead & Arc Lead 35mm x 4m, UNI-FLAME Argon Flowmeter Regulator, 2M Gas Hose with fittings



KUM345

PRIMARY INPUT VOLTAGE
WELDING CURRENT
VOLTAGE STEPS
DUTY CYCLE 40°C as per AS/NZ60974-1

WELDING VOLTAGE RANGE DC
WIRE SIZE (mm)

DIMENSIONS (mm)
WEIGHT (Kgs)

TORCH OPTIONS:

OPTIONS:

Technical Data

415V 3 Phase
40-335 Amps
30
60% @ 335 Amps
100% @ 260 Amps
16 – 31V
0.6 – 1.2mm Ferrous
0.9 – 1.6mm Aluminium
0.6 – 1.2mm Stainless Steel
0.8 – 1.6mm Flux cored
870 x 940 x 550mm
140 Kgs
SB36 4 Metre / 5 Metre
ARB 400 / 12ft / 15ft
TWC 4 / 12ft / 15ft
Amp-Volt Meter
Part No: AVOPTION



KUM345SWF

PRIMARY INPUT VOLTAGE
WELDING CURRENT
VOLTAGE STEPS
DUTY CYCLE 40°C as per AS/NZ60974-1

WELDING VOLTAGE RANGE DC
WIRE SIZE (mm)

DIMENSIONS (mm)
WEIGHT (Kgs)

TORCH OPTIONS:

OPTIONS:

Technical Data

415V 3 Phase
40-335 Amps
30
60% @ 335 Amps
100% @ 260 Amps
16 – 31V
0.6 – 1.2mm Ferrous
0.9 – 1.6mm Aluminium
0.6 – 1.2mm Stainless Steel
0.8 – 1.6mm Flux cored
1270 x 920 x 460mm
164 Kgs
SB36 4 Metre / 5 Metre
ARB 400 / 12ft / 15ft
TWC 4 / 12ft / 15ft
Amp-Volt Meter
Part No: AVOPTION



Overview

The UNIMIG 345 is a powerful welder with a great duty cycle, and is ideal for use in medium to heavy fabrication and rural applications. Combining smooth arc characteristics with complete reliability, the UNIMIG 345 is the unit to satisfy all the demands of the professional welder. Fitted standard with a geared four roller drive system ensuring consistent wire feed and smooth welding. The 345 SWF is supplied with a completely enclosed KT 50 wire feed unit which helps prevent dust and moisture fouling your wire and contaminating your weld. It comes with fully covered 10 Metre interconnecting cables, a swivel turntable for the wire feed unit and wheels for increased maneuverability.

MACHINE PACKAGE: KUM345

Standard Package includes: KUM345 Machine, SB36 MIG Torch x 4m, Earth Lead & Arc Lead 35mm x 4m, UNI-FLAME Twin Gauge Argon Regulator, 2M gas hose

MACHINE PACKAGE: KUM345SWF

Standard Package includes: KUM345SWF Machine, SB36 MIG Torch x 4m, Earth Lead & Arc Lead 35mm x 10m, UNI-FLAME Twin Gauge Argon Regulator, 2M gas hose



UNIMIG 350 COMPACT

MIG/TIG/MMA - 350 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper

UNIMIG

Features

- ✓ Latest IGBT inverter technology
- ✓ Mig/Mag with Gas and Gasless wire function
- ✓ Spool Gun connection
- ✓ Stick electrode (MMA) function
- ✓ DC Tig welding with Lift Arc start
- ✓ VRD safety for Stick welding
- ✓ Wire inch & burn back control
- ✓ Industrial application
- ✓ Internal 2 roll geared wire feeder
- ✓ Euro style mig torch connection
- ✓ IP21S rating for environmental/ safety protection
- ✓ Stepless voltage and wire feed control
- ✓ Excellent mig welding with CO2 gas
- ✓ Excellent arc stability for Mig/ MMA/ TIG welding



Technical Data

Power Supply / Phases (V-Ph)	415 -3 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974	40% @ 350 Amps MIG 40% @ 350 Amps MMA
Duty Cycle @ 25°C (approximate)	70% @ 350 Amps MIG 70% @ 350 Amps MMA
Output Current Range MIG	40A - 350A
Output Current Range MMA	20A - 350A
Output Voltage Range	15-38V
Rated Power MIG	13.9 KVA
Rated Power MMA	15.0 KVA
I Max MIG	19.4 Amps
I Max MMA	20.9 Amps
I_{ieff} MIG	12.3 Amps
I_{ieff} MMA	13.2 Amps
Wire Feeder Type	Gear Driven 4 Roll
Wire Speed Range	1.5 - 15m/min
Efficiency	85%
Protection Class	IP 21S
Dimensions (LxWxH)	900x400x670mm
Weight	60 Kg
Warranty	3 years on machine



26V-4MCP50
TIG Torch Option

PLSP240
SpoolGun Option

Overview

The KUMJR350K is an inverter-based multi-function Mig welding machine with added MMA and Tig function. The Mig function allows you to weld with both Gas Shielded and Gasless wire applications. Easy step less adjustment of voltage and wire feed make for easy setting of welding parameters giving excellent, professional welding results. Wire inch gives easy feeding of the wire during set up without gas wastage and the Burn Back adjustment leaves the wire stick out ready for the next weld. An additional feature is the Spoolgun ready function that allows the simple connection of the PLSP240 Spoolgun for the use of thin or softer wires that don't have the column strength to feed through standard mig torches, such as aluminium wire. Added MMA welding capability delivers easy and high quality welding using electrodes, including cast Iron, stainless and low hydrogen. Connection of the 26V tig torch provides quality DC Tig with Lift Arc start for welding of steel, stainless steel and copper. The machine is industrial rated and of solid construction, large industrial wheels allows easy and smooth manoeuvrability. Ideal for general engineers, maintenance workshop, rural workshop, tafe colleges panel beaters. Designed and built to our specification. Certified to - AS/NZ60974.1

MACHINE PACKAGE: KUMJR50K-SG

Standard Package includes: KUMJR350K Machine, Mig Torch x 4m, Earth Lead & Arc Lead 35mm x 4m, Regulator, 2M gas hose



UTJRFC

Remote Amperage Foot Control

- Sturdy metal construction
- Ergonomic angle for pedal control
- Strong return spring
- Current limiting control

Part No	Description
UTJRFC	Foot Control / UNIMIG Range
UTJRFC-2	Foot Control / ARC400
UTJRFC-4	Foot Control 10K Pot / RAZORWELD 200AC/DC
UTMWFC	Foot Control / T&R Multi Wave Range



UER1MS

Remote Amperage Hand Control - ON / OFF

- Can be replaced in 5 seconds without the use of tools.

Part No	Description
ER1MS	ON/OFF Adjustment switch



UER1MS-1/5/10

Remote Amperage Hand Control - Vertical Adjustment

- Fingertip control of amperage at the torch during welding.
- Can be replaced in 5 seconds without the use of tools.

Part No	Description
UER1MS-1	Vertical Adjustment switch - 1K pot
UER1MS-5	Vertical Adjustment switch - 5K pot
UER1MS-10	Vertical Adjustment switch - 10K pot



ER1MS-1H/5H/10H

Remote Amperage Hand Control - Horizontal Adjustment

- Fingertip control of amperage at the torch during welding.
- Can be replaced in 5 seconds without the use of tools.

Part No	Description
UER1MS-1H	Horizontal Adjustment switch - 1K pot
UER1MS-5H	Horizontal Adjustment switch - 5K pot
UER1MS-10H	Horizontal Adjustment switch - 10K pot



UTJRWC-1

Water Cooler -240v Single Phase 9 Litre

- Rated Power 150W
- Flow Rate of 5.3 l/min
- Maximum start pressure of 500 kpa (70 psi)
- Reservoir volume of 9 litre
- In built fan cooled radiator
- Quick connect water couplings
- Independent on/off switch
- Dimensions 415 x 220 x 380mm
- Weight 18kg



VIPER 182 MIG

182 Amp MIG Welder



Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



Features

- Latest IGBT inverter technology
- MIG with Gas and Gasless wire function
- 5Kg Spools
- IP21S rating for environmental/safety protection
- Tolerant to variable power supply
- Stepless voltage dial
- MMA
- Euro torch connection
- Portable
- Thermal overload protection
- Burnback adjustment
- Wire Inch
- Compliant to AS/NZ60947.1 Standard



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	10% @ 180 Amps MIG
No Load Voltage (V)	17 - 52
Output Current Range MIG	30A/15.5V - 180A/23.0V
Welding Current Range MIG	30-180 Amps
Welding Current Range MMA	10-160 Amps
Rated Power MIG	7.5 KVA
I _{eff} MIG	9.5 Amps
Power factor	0.67
Protection Class	IP21S
Insulation Class	F
Dimensions Power Source (LxWxH)	485x205x320mm
Weight Power Source	13.5 Kg
Warranty	1 years on power source
Certification Approval	AS/NZ60974-1



Overview

The VIPER MIG182 is a new inverter-based portable MIG welding machine with added MMA function. The MIG function allows you to weld with both Gas Shielded and Gas-less wire applications. Easy step-less adjustment of voltage and wire feed make for easy setting of welding parameters giving excellent welding results. Wire Inch gives easy feeding of the wire during set up without gas wastage and the Burn Back adjustment leaves the wire out ready for the next weld. MMA welding capability delivers easy electrode welding with high quality results, including cast Iron and stainless. Being 240v single phase gives great versatility. Ideal for DIY and home workshop. Designed and built to our specification. Certified to - AS/NZ60974-1

MACHINE PACKAGE: KUMJRV182

VIPER MIG 182, SB15 3M Sure Grip MIG Torch, UNI-FLAME Twin Gauge Argon Regulator, 2M Gas Hose Complete with fittings,



UNIMIG VIPER ARC 140

MMA/TIG - 140 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



Approved Domestic for Power Supply 10 Amp 240V 140 Amp DC Welder Small, Lightweight and Portable



Features

- Latest IGBT inverter technology
- MMA (stick electrode)
 - Hot start (improves electrode starting)
 - Arc Force (boosts current to prevent electrode extinguishing)
 - Excellent arc stability with all electrodes
- DC Scratch start TIG, basic DC TIG application
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Generator compatible (recommend 6.5 KVA minimum)
- Tolerant to variable power supplies
- Fitted with and approved to use domestic 10 amp plug



Technical Data

Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	6.49
ieff (Amps)	10.0A
Rated Input Current (A)	27.4
Rated Output	140A/25.6V
Welding Current Range	20~140A
No-Load Voltage (V)	68
Duty Cycle @ 40°C as per AS/NZ60974	15%@140Amps MMA
Power Factor	0.65
Protection Class	IP21S
Insulation Class	F
Size (mm) with handle (LxWxH)	295 x 135 x 270
Weight (kg)	3.8
Warranty	12 months machine only
Certification Approval	AS/NZ60974-1



Overview

The VIPER 140 is a new generation, low cost welding machine produced using the latest in IGBT inverter technology. Designed to meet the needs of the price conscious non-commercial user without compromising on quality, this machine is as reliable and robust as you would expect a machine bearing the UNIMIG name to be. The DC MMA welding function delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless steel and low hydrogen. The VIPER 140 is also equipped with Scratch Start DC TIG capability and connection of the 17V TIG torch allows DC TIG welding of steel, stainless steel, bronze and copper. The unique electronic design structure and air channel design in this machine speeds up the heat dissipation improving the duty cycle of the machine. The unique air channel design also effectively reduces dust ingestion by the fan, dust build up and absorption by the electronic circuits and power device is minimised thereby improving the reliability of the machine. The VIPER 140 is an exceptional machine for the price and is suitable for a wide range of applications including light fabrication and farming. The VIPER 140 offers great portability with the power to get the job done and with the convenience of being fitted with a 10 amp domestic plug. Manufactured in compliance to AS/NZ60974.1.

Product Code: KUMJRAL140

Standard Package includes: VIPER 140 Machine, Earth Lead & Arc Lead 16mm x 2.5m



KUMJRVA160

1 YEAR Warranty
(Power Source)



160AMP DC INVERTER ARC WELDER

Approved Domestic Power Supply 10 Amp 240V Single Phase 160 Amp DC Welder Small, Lightweight and Portable

Features

- Latest IGBT inverter technology
- MMA (stick electrode)
- Hot start (improves electrode starting)
- Arc Force (boosts current to prevent electrode extinguishing)
- Excellent arc stability with all electrodes
- DC Scratch TIG - Scratch Arc Ignition, basic DC TIG application
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Generator compatible (recommend 6.5 KVA minimum)
- Tolerant to variable power supplies
- Fitted with and approved to use domestic 10 amp plug



Technical Data

Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	6.49
ieff (Amps)	10.0A
Rated Input Current (A)	27.4
Rated Output	140A/25.6V
Welding Current Range	20~160A
No-Load Voltage (V)	68
Duty Cycle @ 40°C as per AS/NZ60974	15%@160Amps MMA
Efficiency (%)	85
Power Factor	0.65
Protection Class	IP21S
Insulation Class	F
Size (mm) with handle	(LxWxH) 295 x 135 x 270
Weight (kg)	3.8
Warranty	12 months machine only
Certification Approval	AS/NZ60974-1



Overview

The VIPER 160 is a new generation, low cost welding machine produced using the latest in IGBT inverter technology. Designed to meet the needs of the price conscious non-commercial user without compromising on quality, this machine is as reliable and robust as you would expect a machine bearing the UNIMIG name to be. The DC MMA welding function delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless steel and low hydrogen. The VIPER 160 is also equipped with DC Scratch Start TIG capability and connection of the 17V TIG torch allows DC TIG welding of steel, stainless steel, bronze and copper. The unique electronic design structure and air channel design in this machine speeds up the heat disipation of the power device improving the duty cycle of the machine. The unique air channel design also effectively reduces dust ingestion by the fan, dust build up and absorbtion by the electronic circuits and power device is minmised thereby improving the reliability of the machine. The VIPER 160 is an exceptional machine for the price and is suitable for a wide range of applications including light fabrication and farming. The VIPER 160 offers great portability with the power to get the job done and with the convenience of being fitted with a 10 amp domestic plug. Manufactured in compliance to AS/NZ60974.1.

Product Code: KUMJRVA160

Standard Package includes: VIPER 160 Machine, Earth Lead & Arc Lead 16mm x 2.5m

VIPERCUT 40 PLASMA

Plasma - 40 Amp Inverter Plasma Cutter

Cuts: Steels, Stainless, Cast Iron, Brass, Copper, Aluminium



40 Amp - 10mm Cut on Mild Steel

240v Inverter Plasma Cutter

Light Industrial Rated, Lightweight and Portable

Features

- Latest Inverter Technology
- Light industrial application
- Strong metal housing
- Tolerant to variable power supply
- Suitable to cut all electrically conductive materials
- Contact Arc Start
- Tip can be contacted and dragged on cutting material
- Light weight and compact



Technical Data

Power Supply / Phases (V-Ph)	240v - 1 +/- 15%
Duty Cycle @ 40°C as per AS/NZ60974-1	25% @ 40Amps
Rated Power (KVA)	7.50
Output Current Range (A) Plasma	20-40
Rated Output Voltage (V)	310
Insulation Class	F
Protection Class	IP21S
Plasma Arc Starting	Touch
Air Flow Draw Off (l/min)	170
Air Flow Pressure (Bar)	5-6 (70-87 psi)
Cutting Thickness - Clean (mm)	10
Cutting Thickness - Severance (mm)	12
Dimensions (mm)	460 x 160 x 320
Weight (kg)	11.6
Warranty	1 years machine only
Certification Approval	AS/NZ60974-1



50505-48
Sub-Micronic Cartridge
Option



50500-12
Sub-Micronic Air Filter
Option

Overview

The VIPER40 is an inverter-based Plasma cutting machine produced using the latest in IGBT technology. Low cost and portable this machine is reliable, robust and stacked with features that you can expect from a quality Plasma Cutter. The VIPER40 produces a high temperature plasma stream enabling effortless cutting of all electrically conductive materials including steel, cast Iron, stainless steel, copper, aluminium brass etc. Connection of the CBR50 Plasma torch provides effortless starting of the cut with powerful, fast and accurate cutting capability, additional is the benefit of longer life cycle consumable electrodes and cutting tips. The contact start function allows the torch tip to be placed directly onto the work piece during start up and also during the cutting process helping to provide more accurate cutting and cleaner start of the cut. The VIPER40 is an exceptional machine that is suitable for a wide range of applications including sheet metal fabrication, light industrial use, site work, automotive, ducting work, repair and maintenance services. The VIPER40 gives you the best of both worlds – great portability, with the power to get the job done. Built to our specification and manufactured in compliance to AS/NZ60974-1

Product Code: KUPJRV40

Standard option includes: VIPERCUT40 Machine, Direct connect CBR50 Plasma Torch 4m, Direct Connect 3M Earth Lead

PROTECTIVE SAFETY WEAR

Automatic Welding Helmets



Arc Sensors

Maintain constant sensing and automatically switches the helmet from light to dark and back again.

True Colour

High Definition Filter Technology is a feature that greatly improves the optics allowing the user to see a full spectrum of colours. It also helps to alleviate eye fatigue making it safer for extended periods of welding.

Shade Control

Automatic Welding Lens allows the operator to switch between welding shades from shade 9 to shade 13. The switching speed of the lens is a very fast 0.1m/s from light to dark.

Operator Comfort

Lightweight Design makes wearing the welding helmet more comfortable for the operator.

Operator Comfort

Allows the operator to switch the helmet from the welding mode into a fixed shade for grinding. This function removes the need for the operator to change visors and to simply use the welding helmet for grinding when required.



FITTED WITH TRUE COLOUR LENS

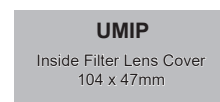
Helmet Specifications

Filter dimension	110 x 90mm
View size	96 x 42mm
Classification	1/1/1/2
Sensors	2
Light state	4
Dark state	Variable shade 9-13
Power control	Fully automatic
Shade control	External
Switching time at 23°C	0.1ms
Sensitivity & Delay time control	Adjustable (Internal)
Time from dark to light	0.1-0.9s adjustable
Grinding function	Yes (external)
Operation temperature	-10°C - 65°C
Storing temperature	-20°C - 85°C
Power supply	Solar cell, no battery change
Certifications approved	CE, ANSI, CSA, AS/NZS



VIPER HELMET- UMVWH

Part-No	Description
UMVWH	VIPER Automatic Welding Helmet
UMMBOP	Front Cover Lens 117 x 97mm
UMIP	Inside Cover Lens 104 x 47mm



VIPER 200 TIG

200 Amp TIG/MMA Welder

15 AMP PLUG

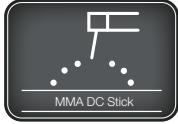
Welds: Carbon Steels, Stainless Steels, Cast Iron, Bronze, Copper



FEATURES



**DC TIG with HF ignition - 10 ~200 Amps
Duty Cycle 30% @ 200Amps**



**MMA Stick mode - 10 ~ 160 Amps
Duty Cycle 20% @ 160Amps**



Digital display



Touch button
- 2T / 4T
- Pulse - TIG/MMA
- Remote select



**Pulse Frequency Adjustable 0 - 200 Hz
Down slope Adjustable 0 - 5 sec
Postgas Adjustable 1 - 10 sec**



Over Temperature warning



**Manufactured in compliance
to AS/NZ60974.1**

Digital Display TIG / MMA Selector Amperage Selector Pulse Hz Selector



2T / 4T Trigger Selector Pulse Selector Remote Control Selector Post Gas Arc Force Selector Down Slope Selector

Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	8.0
ieff (Amps)	15.0
iMax(Amps)	34.0
Rated Output	10-160A/27.2V MMA 10-200A/18.0V TIG
No-Load Voltage (V)	75
Duty Cycle @ 40°C as per AS/NZ60974	20%@160 Amps MMA 30%@200Amps TIG
Protection Class	IP21S
Insulation Class	F
Size (mm)	420 x 160 x 330
Weight (kg)	7.5kg
Warranty	1 years on power source



Overview

The VIPER TIG200P is an inverter-based DC Tig welding machine with HF arc ignition and pulse capability. Produced using the latest in IGBT technology this low cost and portable machine is reliable, robust and stacked with all the functions you expect from a professional DC TIG welder. The HF arc ignition provides pre gas and instant arc ignition with the press of the torch switch leaving no tungsten inclusion and no contamination of the tungsten electrode. The Down Slope, Post Gas functions combined with the 2/4T trigger function allows you to control the start and finish of the weld process at a professional level. The addition of adjustable pulse frequency 0.2-200Hz gives you the added capability to control the heat input into the work, control penetration and help control distortion. Torch Remote Control Interface provides remote amperage control from the torch in both static and live welding modes. The remote control receptacle provides optional connection of foot control. Combining the functions of the VIPER 200P ensures comprehensive control of the welding parameters when welding all DC weldable materials giving a remarkably smooth arc producing high quality TIG welds. The DC MMA welding capability delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen. The VIPER TIG200P is a professional machine that is suitable for multiple applications; stainless steel fabrication, light industrial use, site welding, repair and maintenance applications.

Built to our specification and manufactured in compliance to AS/NZ60974.1

MACHINE PACKAGE: KUMJRVT200P

VIPER TIG 200P, SR26 4M Sure Grip TIG Torch, Twin Gauge Argon Flowmeter Regulator, Arc Lead Set,





UNI-MIG

OPERATING MANUAL

WATER COOLED TROLLEY



Please read and understand this instruction manual carefully before the installation and operation of this equipment.

Announcement

We hereby declare that all products enjoy one year warranty coverage beginning from the purchasing day written on the contract.

Please read this operator's manual carefully before installation and operation.

1. This manual may be revised without prior notice.
2. The operator's manual contents have been carefully checked; please do not hesitate to contact us in case of any possible inaccuracies you may discover in this manual.
3. The operator's manual is issued in March,2015.

Contents

1. Safety	3-4
2. Technical Parameters	5
3. Assembly Instructions	6-8
9. Installation setup for SR18 TIG Torch	9
10. Maintenance	10

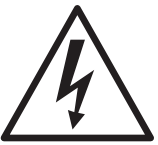
SAFETY



IMPORTANT: BEFORE INSTALLING, OPERATING OR CARRYING OUT MAINTENANCE ON THE PLASMA CUTTER, READ THE CONTENTS OF THIS MANUAL CAREFULLY, WHICH MUST BE STORED IN A PLACE FAMILIAR TO ALL USERS FOR THE ENTIRE OPERATIVE LIFE-SPAN OF THE MACHINE. PAY PARTICULAR ATTENTION TO THE SAFETY RULES. THIS EQUIPMENT MUST BE USED SOLELY FOR PLASMA CUTTING.

MACHINE OPERATING SAFETY

Plasma cutting equipment can be dangerous to both the operator and people in or near the surrounding working area, if the equipment is not correctly operated. Equipment must only be used under the strict and comprehensive observance of all relevant safety regulations. Read and understand this instruction manual carefully before the installation and operation of this equipment.



Electric shock: It can kill. Touching live electrical parts can cause fatal shocks or severe burns. The plasma nozzle and work circuit is electrically live whenever the output is on. The input power circuit and internal machine circuits are also live when power is on. Do not touch live electrical parts or electrodes with bare skin, gloves or wet clothing. Incorrectly installed or improperly grounded equipment is dangerous.

- Connect the primary input cable according to Australian and New Zealand standards and regulations.
- Disconnect power source before performing any service or repairs.
- Avoid all contact with live electrical parts of the welding circuit, torch nozzle and work piece with bare hands. The operator must wear dry welding gloves while he/she performs the plasma cutting task.
- Isolate yourselves from both the earth and the work piece.
- Keep cords dry, free of oil and grease, and protected from hot metal and sparks.
- Frequently inspect input power cable for wear and tear, replace the cable immediately if damaged, bare wiring is dangerous and can kill.
- Do not use damaged, under sized, or badly joined cables.
- Do not drape cables over your body.
- We recommend (RCD) safety switch is used with this equipment to detect any leakage of current to earth.



Fumes and gases are dangerous. Plasma cutting produces fumes and gases. Harmful fumes and metallic powders are produced during the cutting operation. Metals which are painted or coated or which contain mercury, zinc, lead and graphite may produce harmful concentrations of toxic fumes during cutting. Breathing these fumes and gases can be hazardous to your health.

- Do not breathe the smoke and gas generated whilst welding or cutting, keep your head out of the fumes
- Keep the working area well ventilated, use fume extraction or ventilation to remove welding fumes and gases.
- In confined or heavy fume environments always wear an approved air-supplied respirator. Cutting fumes and gases can displace air and lower the oxygen level causing injury or death. Be sure the breathing air is safe.
- Do not cut in locations near de-greasing, cleaning, or spraying operations. The heat and rays of the arc can react with vapours to form highly toxic and irritating gases.
- Materials such as galvanized, lead, or cadmium plated steel, containing elements that can give off toxic fumes when cutting. Do not cut these materials unless the area is very well ventilated, and or wearing an air supplied respirator.
- Always read the Material Safety Data Sheets (MSDS) that should be supplied with the material you are using. These MSDS will give you the information regarding the kind and amount of fumes and gases that may be dangerous to your health.



Arc rays: harmful to people's eyes and skin. Arc rays from the plasma cutting process produce intense visible and invisible ultraviolet and infrared rays that can burn eyes and skin. Protect your eyes with welding masks or goggles fitted with filtered lenses, and protect your body with appropriate safety garments. Protect others by installing adequate shields or curtains.

- Always wear a helmet or goggles with correct shade of filter lens and suitable protective clothing including welding gloves, apron, leg and foot protection whilst the plasma cutting operation is performed.
- Measures should be taken to protect people in or near the surrounding working area. Use protective screens or barriers to protect others from flash, glare and sparks; warn others not to watch the arc.

Fire hazard. Plasma cutting on closed containers, such as tanks, drums, or pipes, can cause them to explode. Flying sparks from the welding arc, hot work piece, and hot equipment can cause fires and burns. Accidental contact of electrode to metal objects can cause sparks, explosion, overheating, or fire. Check and be sure the area is safe before doing any cutting.

- The cutting sparks may cause fire, therefore remove any flammable materials well away from the working area. Cover flammable materials and containers with approved covers if unable to be moved from the welding area.



• Do not Plasma Cut closed containers such as tanks, drums, or pipes, unless they are properly prepared according to the required Safety Standards to insure that flammable or toxic vapors and substances are totally removed, these can cause an explosion even though the vessel has been "cleaned". Vent hollow castings or containers before heating, cutting or welding. They may explode.

- Do not cut where the atmosphere may contain flammable dust, gas, or liquid vapours (such as petrol)
- Have a fire extinguisher nearby and know how to use it. Be alert that cutting sparks and hot materials from cutting can easily go through small cracks and openings to adjacent areas. Be aware that cutting on a ceiling, floor, bulkhead, or partition can cause fire on the hidden side.



Gas Cylinders. Do not cut in the vicinity of pressurised gas cylinders or in the presence of explosive dust, gases or fumes. Gas cylinders contain gas under high pressure. If damaged, a cylinder can explode. Because gas cylinders are normally part of the welding process, be sure to treat them carefully. CYLINDERS can explode if damaged.

- Protect gas cylinders from excessive heat, mechanical shocks, physical damage, slag, open flames, sparks, and arcs.
- Insure cylinders are held secure and upright to prevent tipping or falling over.
- Never allow the plasma nozzle or earth clamp to touch the gas cylinder, do not drape welding cables over the cylinder.
- Never plasma cut on a pressurised gas cylinder, it will explode and kill you.
- Open the cylinder valve slowly and turn your face away from the cylinder outlet valve and gas regulator.



Electronic magnetic fields. The magnetic fields created by the high currents generated by plasma cutting may affect the operation of pacemakers and other vital electronic medical equipment.

- Wearers of Pacemakers and other Implanted Medical Devices should keep away.
- Implanted Medical Device wearers should consult their doctor and the device manufacturer before going near any electric welding, cutting or heating operation.



Noise can damage hearing. Noise from some processes or equipment can damage hearing. This machine does not directly produce noise exceeding 80dB. The plasma cutting/welding procedure may produce noise levels beyond said limit; users must therefore implement all precautions required by law. Wear approved ear protection if noise level is high.



Hot parts. Items being plasma cut generate and hold high heat and can cause severe burns. Do not touch hot parts with bare hands. Allow a cooling period before working on the plasma torch. Use insulated welding gloves and clothing to handle hot parts and prevent burns.

Technical Parameters

Description	4L Water Radiator
Input Voltage	AC220V±10% 50/60H
Motor Power	72W
Radiating Power	1.3GPM(5.0L/Min)
Max Pressure	0.42Mpa
Tank Capacity	4 L
Water Flow	2L/min
Ambient Temperature	5°C~40°C
Dimension	635(L) x 330(W) x 180(H)mm
Weight	16Kg
Protection Class	IP21

General Description

This matching water radiator is developed based on more than 10 years welding experiences. Equipped with high-pressure diaphragm pump, it can meet the professionals high requirements on quality and performance.

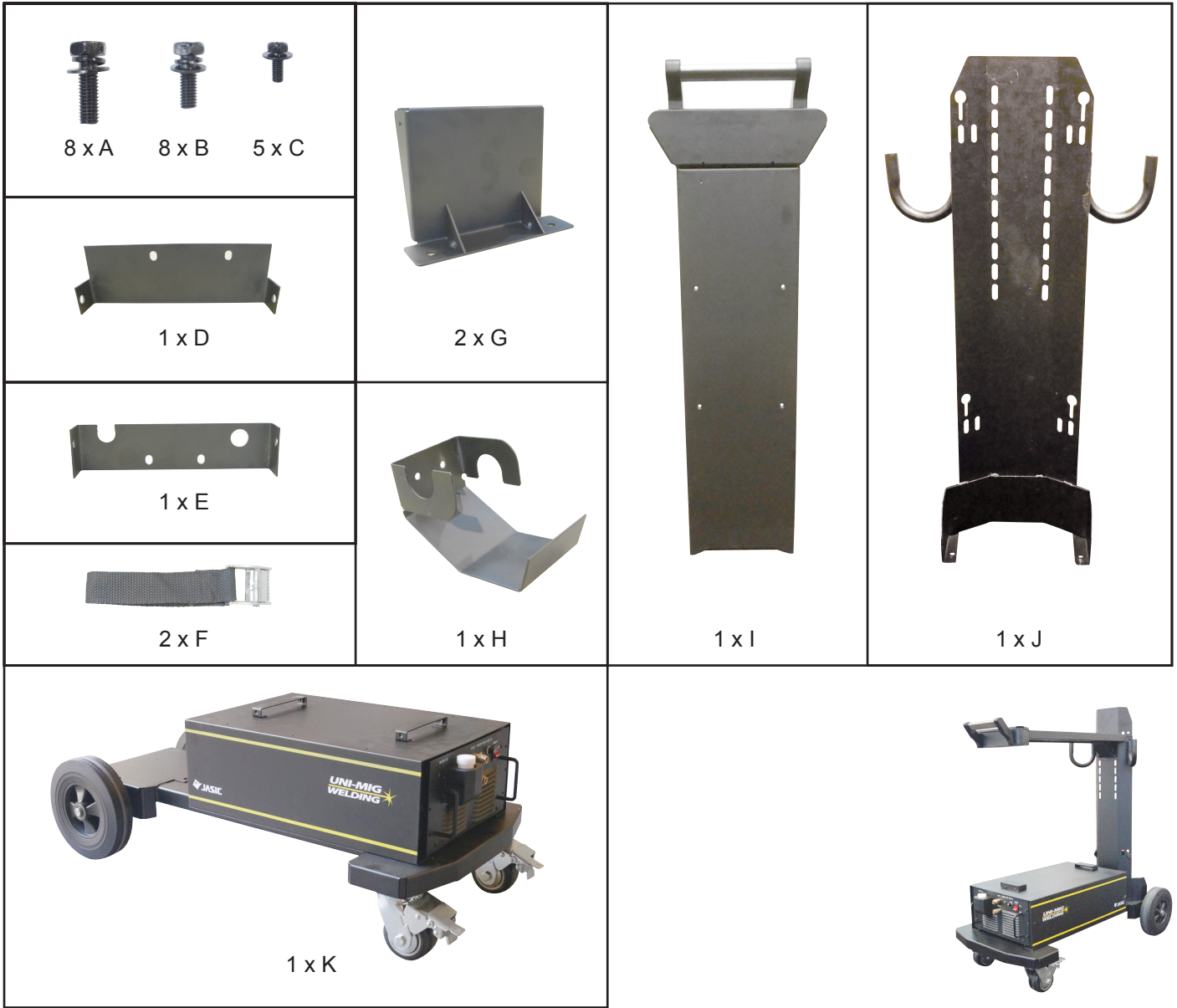
Product Features:

- A.** The high pressure diaphragm can ensure enough circulated cooling water in the radiator during welding, which can largely improve heat dissipation and prolong welder, torch and the consumables lifespan.
- B.** Unique design brings you convenience during operation.
 - 1. It can put into operation as long as tank's lowest water level is reached.
 - 2. The special filling, draining, maintaining design makes your operation easier.
- C.** The adoption of high quality materials, such as 120mm fan, high-pressure diaphragm, condensing radiator, tight steel bushing, etc. makes the water radiator more durable.
- D.** High power water radiator with light weight and small size can bring you extraordinary radiating performances and largely improve cooling efficiency

Caution

- 1.** For newly purchased water radiator or radiator hasn't been used for a long time, please make sure the motor is started and cooling water being pumped out before assembling the torch; otherwise, it's difficult to start the motor
- 2.** Please make sure the tank is filled with enough clean water and all connectors are fixed tightly. Refill water to the tank when the torch is completely filled and make sure water is high above the lowest level (if operating with no water, water seal would be damaged due to overheating.)
- 3.** Please refer to the water tank's nameplate to make sure of the input voltage.
- 4.** If Water pump won't work, please check the following items:
 - A.** The input voltage is too low---please recheck the input voltage.
 - B.** Water pump is blocked after not been used for a long time
 - Please shut down the power supply.
 - Pump air from the Air compressor to the inlet and outlet for about 20s, and then turn on the pump for around 20s.
 - C.** Water pump is burned out.

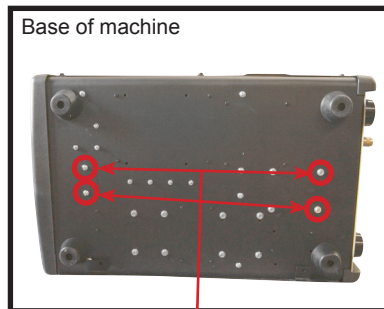
Assembly Instructions



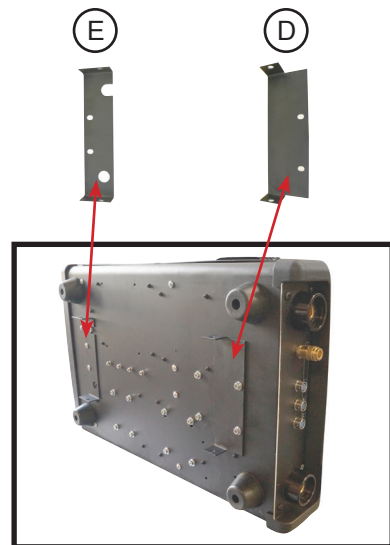
Step 1



Please check first



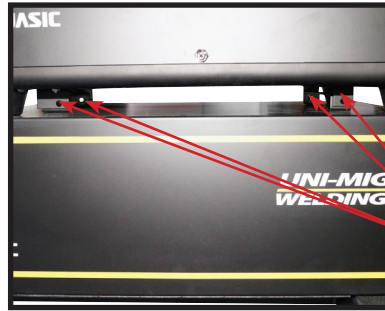
Flip machine on side to access base and remove marked screws and set aside.



Step 2



Mount machine on Trolley (Part K)



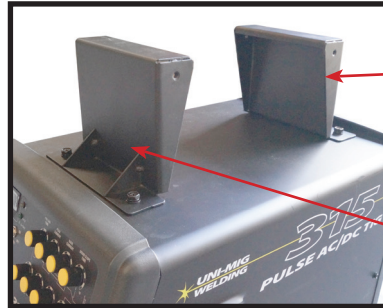
Line up brackets and tighten into place using 4 x A screws.



Step 3



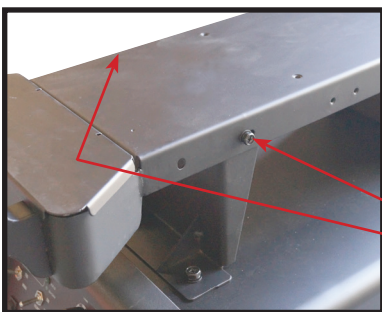
Remove handles and place screws aside.



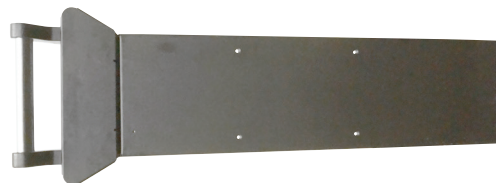
Replace handles with brackets (Part G) and attach & tighten using screws from handles.



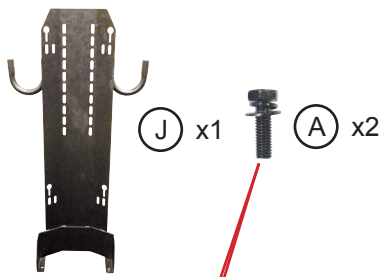
Step 4



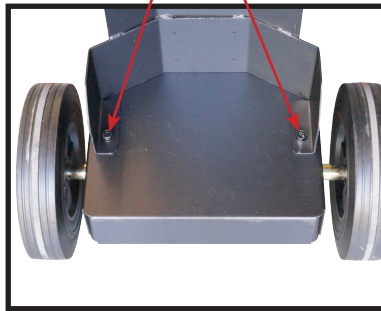
Place trolley handle (Part I) onto Brackets (Part G) and insert two screws (Part B) and tighten.



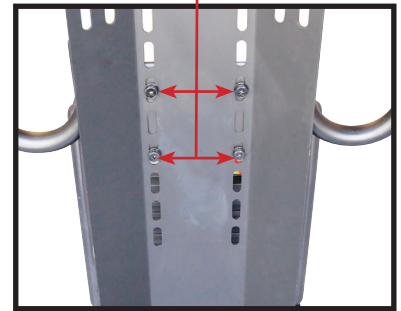
Step 5



Place gas cylinder Holder (Part J) onto trolley (Part K) and insert two screws (Part A)

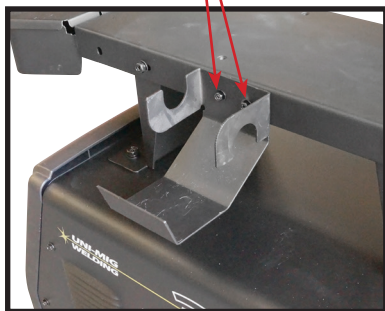


Insert two screws, and tighten (Part A)

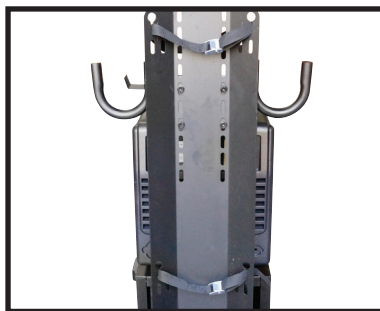


Insert four screws (Part B) and tighten to secure Handle bracket to the gas cylinder holder

Step 6



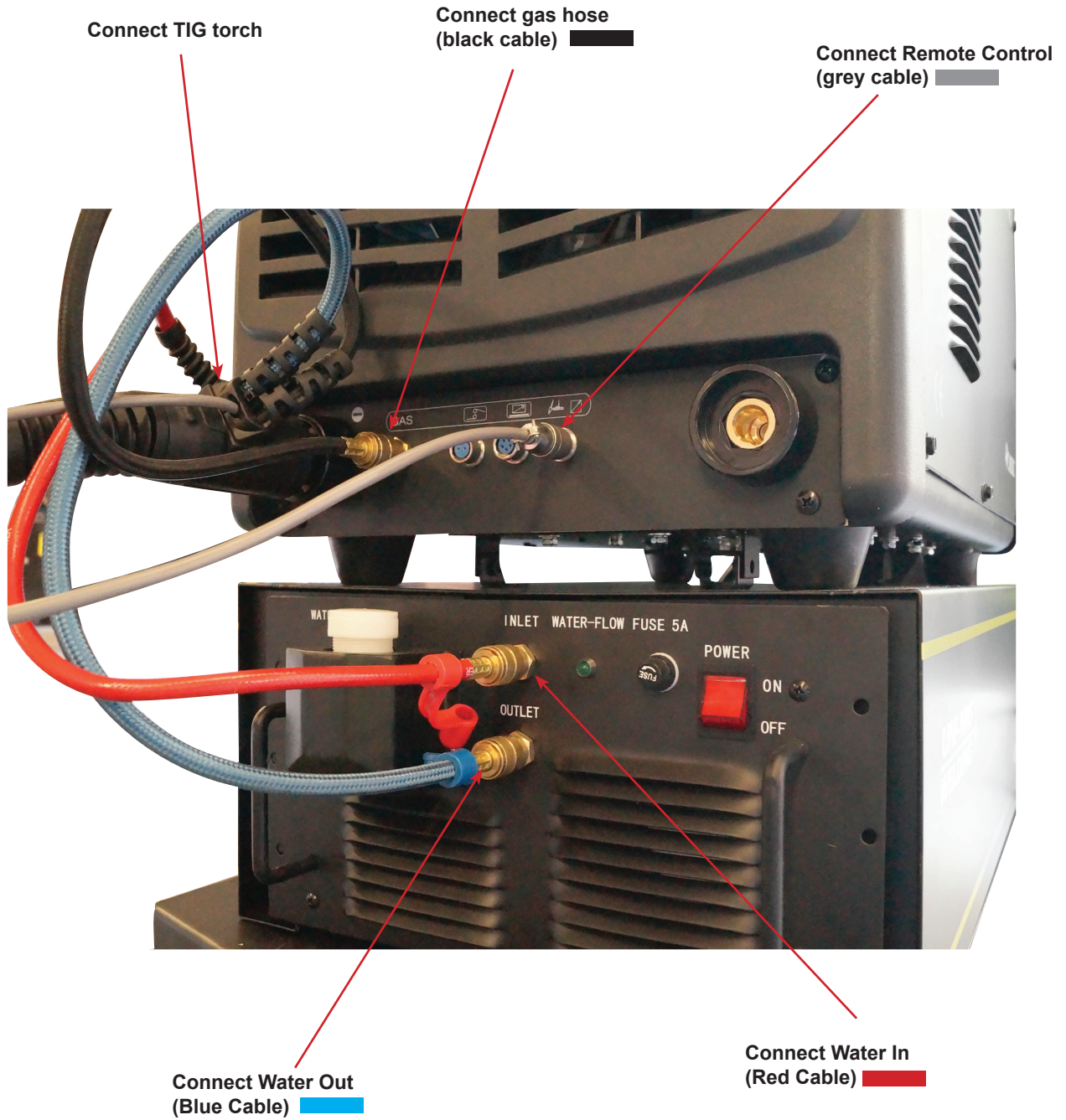
Attached torch holder to either side of the handle bracket, using 2 x C screws.



Attach gas cylinders straps, to secure gas cylinder being used.

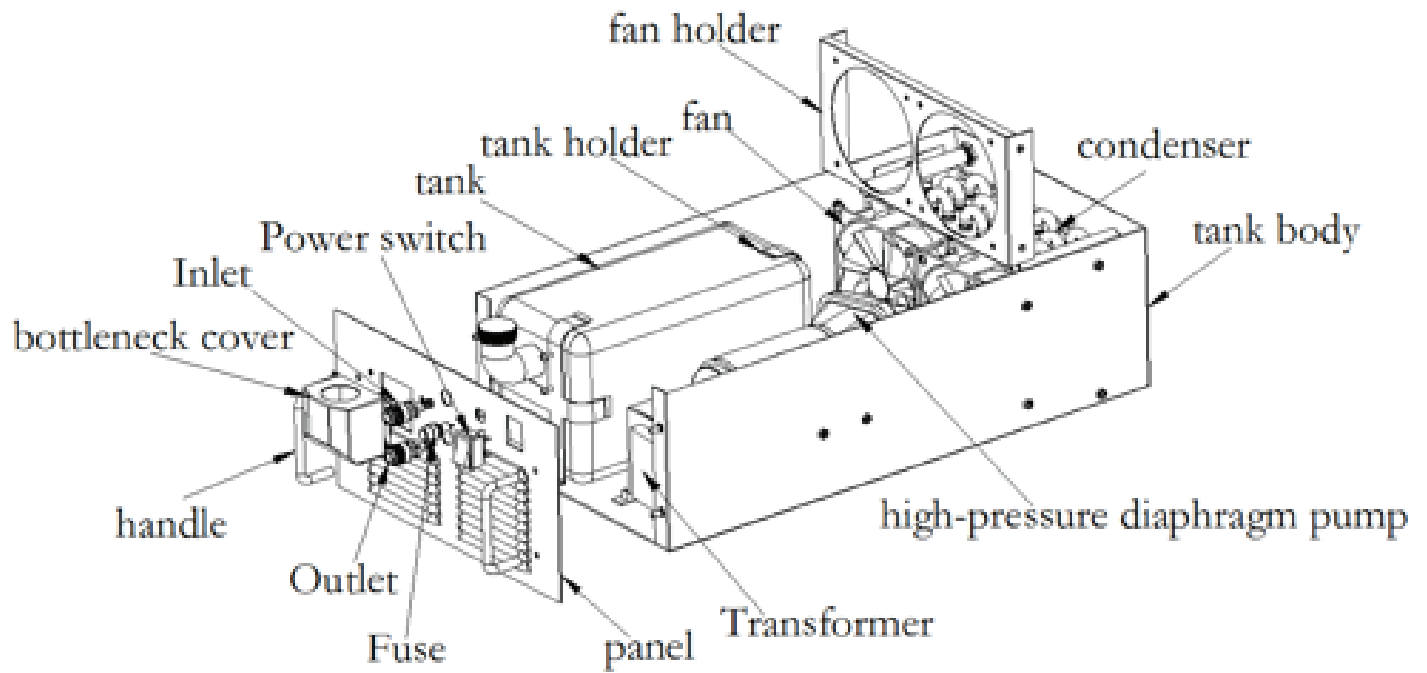


Installation Setup for SR18 water cooled TIG Torch



Maintenance

1. Make sure the machine is dry and clean.
2. Refill and refresh cooling water at proper time.
3. Use the air compressor gun to clean the inner machine every 6 months so that to guarantee excellent radiating performance and prolong the lifespan of this machine.





Welding Guns Of Australia Pty Ltd
ABN: 14 001 804 422

PO Box 3033, Lansvale NSW 2166, AUSTRALIA

112 Christina Rd, Villawood, NSW 2163

Phone: (02) 9780 4200

Fax: (02) 9780 4244

Email: sales@unimig.com.au / Web: www.unimig.com.au

Leather Spats

XA STEERSOtuff Leather Spats

XcelArc leather spats are heat and flame resistant made from tough, durable and pliable split cowhide leather. The spats provide excellent protection of ankles and feet preventing sparks and hot material from entering the inside of footwear. The spats are easy to fit and are secured and held in place by Velcro strip pads.

Part-No	Description
XA-44-7106	XcelArc Leather Spats



Welders Cushion

XA STEERSOtuff Leather Cushion

Heavy duty construction made from 5-side Lava Brown heat and flame resistant leather which is made from durable and pliable side split cowhide 1-side Aluminised PFR Rayon to protect from welding spatter and sparks.

Size:m 500 x 500 x 80mm

Part-No	Description
XA-44-7900	XcelArc Leather Welders Cushion



Welders Flame Retardant Skull Rags

XA Professional Series Welders Skull Rags

Made from 100% preshrunk cotton these flame retardant skull rags are resistant to flame and welding spatter and will retain their flame retardant properties for up to 50 home washings. Athletic mesh lining for comfort, air cushioned insert for sweat absorbency, ties in back for one size fits all.

Part-No	Description
XA-23-3601	XcelArc Skull Rag - Camouflage
XA-23-3602	XcelArc Skull Rag - Wild
XA-23-3604	XcelArc Skull Rag - USA
XA-23-3606	XcelArc Skull Rag - Happy Hour
XA-23-3607	XcelArc Skull Rag - Paradise
XA-23-3613	XcelArc Skull Rag - Safety Orange



Camouflage



Wild



Happy Hour



USA



Paradise

Flame Retardant Welders Hood

XA Professional Series Flame Retardant Hood

Made from flame retardant cotton sateen that is tested to ensure conformity to ASTM D6413-99. This flame retardant welders hood is resistant to flame and welding spatter, and will retain its flame retardant properties for up to 50 home washes. Lightweight and comfortable fully enclosing the welders head, neck area for maximum protection.

Part-No	Description
XA-23-6680	XcelArc Flame Retardant Blue Helmet Hood



PROTECTIVE SAFETY WEAR

Welding Jackets

HI-VIS FR body Leather sleeves Jacket with reflective tape

11OZ Orange Proban Welding Jacket with chrome leather sleeves, which is cool, comfortable and ideal for medium duty welding applications

- High visibility reflective tape makes work more safer.
- Dielectric and insulated snaps front closure system with FR spatter guard layer.
- Inside pocket enhance safety and Adjustable snap cuffs.
- Sewn with Dupont Kevlar thread.

PART NUMBER:

UMWJ2730XL

UMWJ2730XXL



Blue FR Body Brown Leather Sleeves

Blue FR Body Welding Jacket with Brown leather sleeves, which is cool, comfortable and ideal for medium duty welding applications

- Dielectric and insulated snaps front closure system with FR spatter guard layer.
- Inside pocket enhance safety and Adjustable snap cuffs.
- Sewn with Dupont Kevlar thread.

PART NUMBER:

UMWJ2530XL

UMWJ2530XXL



PROTECTIVE SAFETY WEAR

Welding Jackets



These Xcel-Arc jackets are the state of the art in comfort being designed to allow complete freedom of movement. Xcel-Arc jackets are heat and flame resistant garments made from durable and pliable side split cowhide. Leather seams, double-locked stitched, high strength 5-ply Tex 90 Dupont Kevlar thread, Metal rivets are coated for better electrical protection.

SIZES AVAILABLE

FULL LEATHER

UMWJ-F-L

UMWJ-F-XL

UMWJ-F-XXL

FIRE RETARTENT CLOTH BACK

UMWJ-P-L

UMWJ-P-XL

UMWJ-P-XXL

Fire resistant cloth lined collar for safe and comfortable wear

Raglan-style shoulders for a comfortable fit and mobility



Flame Retardant cloth lined collar provides comfortable skin contact and absorbs sweat. Lined upper sleeves and shoulders make for easier wear and removal.



Sport-Jacket style raglan shoulder construction enhances freedom of body movement. Collar rolls up and closes at front to stop shooting spatter.

Premium grade side split cowhide for maximum durability

Heat and electrical insulated snaps

Inside pockets with riveted stress points



Leather spatter guard at front closure prevents sparks and spatter from entering. Double leather reinforcement on front prevents snap pullout.

UMWJ-F

Full Leather or Fire Retardent Cloth Back.

UMWJ-P



Leather Drape

Cowhide Leather Drape

Cowhide Leather Drape

- Made with selected split cowhide leather
- Kevlar thread stitching with stainless steel eyelets every 30cm for hanging
- Ideal for use in industrial environments, helps to protect against weld spatter

Part-No	Description
UMWD1818	Leather Drape 1.8m x 1.8m
UMWD2222	Leather Drape 2.2m x 2.2m



Welding Blanket

Steiner Velvet Shield Welding Blanket

Lightweight, soft and flexible welding blanket material, providing incredible ease of use, whilst withstanding high heat. Velvet Shield welding blankets are made with a carbon fibre fabric that was developed from NASA technologies and is fire and heat resistant.

- Versatile blankets are soft and lightweight, providing incredible ease of use.
- Provides protection from sparks and spatter.
- Easy to clean, just shake, vacuum or blow metal particles out.
- 1.8m x 1.8m
- Operation temperature 1000oC / 1800oF



Part-No	Description
31666	Steiner Velvet Shield Welding Blanket 1.8 x 1.8m

Welding Curtains

XA Professional Welding Curtains

LAVAsield welding screens are made with specially formulated vinyl 16 mil. (0.4 mm) thick to meet CE standards and Australian NZ Safety requirements. Screens are transparent and resistant to UV rays, flame and abrasion. Kevlar sewn and grommets placed at 270mm intervals.

Part-No	Description
XARWC	XcelArc Red Welding Curtain 1.7m x 1.7m
XAGWC	XcelArc Green Welding Curtain 1.7m x 1.7m



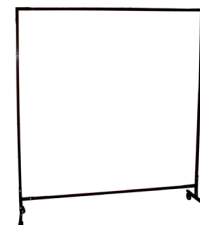
Welding Curtain Frame

XA Professional frame

The most versatile frame ever!

Assembles in less than 5 minutes, no tools required. Made of heavy-duty finished steel tubing for long lasting durability and swivel connectors that allow numerous design configurations. Assembles to take 1.7m x 1.7mm welding screen.

Part-No	Description
XABSF	XcelArc Modular Welding Curtain Frame 1.8m x 1.8m (outer frame mesurement)



KUM270

PRIMARY INPUT VOLTAGE	240V 1 Phase
WELDING CURRENT	30-270 Amps
VOLTAGE STEPS	21
DUTY CYCLE 40°C as per AS/NZ60974-1	70% @ 250 Amps
100% @ 210 Amps	
WELDING VOLTAGE RANGE DC	14 – 26V
WIRE SIZE (mm)	0.6 – 1.0mm Ferrous
0.9 – 1.2mm Aluminium	
0.6 – 1.0mm Stainless Steel	
0.8 – 1.2mm Flux cored	
DIMENSIONS (mm)	870 x 940 x 460mm
WEIGHT (Kgs)	116 Kgs
TORCH OPTIONS:	SB24 4 Metre / 5 Metre ARB 300 / 12ft / 15ft TWC 4 / 12ft / 15ft
OPTIONS:	Amp-Volt Meter - Part No: AVOPTION



KUM270SWF

PRIMARY INPUT VOLTAGE	240V 1 Phase
WELDING CURRENT	30-270 Amps
VOLTAGE STEPS	21
DUTY CYCLE 40°C as per AS/NZ60974-1	70% @ 250 Amps
100% @ 210 Amps	
WELDING VOLTAGE RANGE DC	14 – 26V
WIRE SIZE (mm)	0.6 – 1.0mm Ferrous
0.9 – 1.2mm Aluminium	
0.6 – 1.0mm Stainless Steel	
0.8 – 1.2mm Flux cored	
DIMENSIONS (mm)	1270 x 920 x 460mm
WEIGHT (Kgs)	139kg
TORCH OPTIONS:	SB24 4 Metre / 5 Metre ARB 300 / 12ft / 15ft TWC 4 / 12ft / 15ft
OPTIONS:	Amp-Volt Meter Part No: AVOPTION



Overview

The top of the range UNIMIG 270 is one of the most powerful MIG's in its class. Combining an exceptionally high duty cycle and power with very smooth arc characteristics, it is designed for use in medium to heavy fabrication, as well as rural applications.

If 3 phase power is unavailable, the UNIMIG 270 will give you the reliability and power you need to get the job done.

Fitted standard with a geared four roller drive system ensuring consistent wire feed and smooth welding.

The 270 SWF is supplied with a completely enclosed KT 50 wire feed unit which helps prevent dust and moisture fouling your wire and contaminating your weld. It comes with fully covered 10 Metre interconnecting cables, a swivel turntable for the wire feed unit and wheels for increased maneuverability.

MACHINE PACKAGE: KUM270

Standard Package includes: KUM270 Machine, SB24 MIG Torch x 4m, Earth Lead & Arc Lead 35mm x 4m, UNI-FLAME Twin Gauge Argon Regulator, 2M gas hose

MACHINE PACKAGE: KUM270SWF

Standard Package includes: KUM270SWF Machine, SB24 MIG Torch x 4m, Earth Lead & Arc Lead 35mm x 10m, UNI-FLAME Twin Gauge Argon Regulator, 2M gas hose