



Where Quality Meets Commitment

PRODUCT CATALOGUE



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SAHARA WELDING, A DIVISION OF AFRITECH EQUIPMENT SOLUTION (PTY) LTD

Our story is built on the experience and capability of our key management team.

The senior leadership of Afritech brings decades of expertise across the equipment sales and rental industry. With a combined industry background of more than 100 years, the team has guided the successful completion of major petrochemical refinery shutdowns, power generation projects and cross-border long-term contracts across Southern Africa.

This depth of experience, together with a clear drive to become the leading equipment rental and supply partner in the region, shaped our company motto and forms the foundation of our continued growth.

Our motto, **Where Experience Counts**, reflects exactly what sets us apart. With the knowledge we have built over the years, we are now bringing the same commitment to excellence into the retail sector, offering safe, reliable and affordable products to the market.

WHERE QUALITY MEETS COMMITMENT. FUSION X.

Our aim is to become the industry leader in retail sales across multiple market sectors, where our name, brands and services stand for quality, reliability and above all, experience.





ARC ACCESSORIES



ELECTRODE HOLDER STYLE

60% Duty Cycle | Light to medium duty



PART NO.FUS-EH300KD
ELECTRODE HOLDER 300 AMP
KD STYLE FUSION-X



PART NO.FUS-EH500KD
ELECTRODE HOLDER 500 AMP
KD STYLE FUSION-X

ELECTRODE HOLDER SAMSON

Insulated Jaws industrial heavy duty



PART NO.FUS-EH300SAM
ELECTRODE HOLDER 300 AMP
SAMSON STYLE FUSION-X



PART NO.FUS-EH500SAM
ELECTRODE HOLDER 500 AMP
SAMSON STYLE FUSION-X

OPTIMUS ELECTRODE HOLDER

Insulated Jaws industrial heavy duty



PART NO.FUS-EH400OPT
400 AMP ELECTRODE HOLDER



PART NO.FUS-EH600OPT
600 AMP ELECTRODE HOLDER

EARTH CLAMP CROC

Light to medium duty | @ 60% Duty Cycle



PART NO.FUS-EC300
EARTH CLAMP 300 AMP CROC TYPE FUSION-X



PART NO.FUS-EC500
EARTH CLAMP 500 AMP CROC TYPE FUSION-X

EARTH CLAMP 600 CROC PLATED

Heavy Duty | @60% Duty Cycle



PART NO. FUS-EC600
EARTH CLAMP 600 AMP CROC TYPE FUSION-X



PART NO.FUS-ECG600
EARTH CLAMP 600 AMP G TYPE FUSION-X

CHIPPING HAMMER

CHIPPING HAMMER 300G | Chisel and point end with spring handle



PART NO.FUS-CHIPHAM
HAMMER CHIPPING WELDER
CHISEL PICK FUSION-X

WIRE BRUSH

Wooden handle steel bristles | Cleaning mild steel Stainless Steel surfaces before and after welding



PART NO.BRUSH-MS5R
WELDERS WIRE BRUSH MILD STEEL 5 ROW



PART NO.BRUSH-SS5R
WELDERS WIRE BRUSH STAINLESS STEEL 6 ROW

GREEN WELDING CABLE KITS - 16 mm

Green welding cable kit (230 amps) with cable dinse plugs 10-25mm



PART NO.FUS-CABLE SET 16 × 5
CABLE WELDING 16 mm GREEN

BLUE WELDING CABLE KITS - 25 mm

Blue welding cable kit (230 amps) with cable dinse plugs 10-25mm



PART NO.FUS-CABLE SET 25 × 5
CABLE WELDING 25 mm BLUE

CONNECTOR CABLE MALE

Solid brass rubber insulated connectors.



PART NO.FUS-CCM10-25
CONNECTOR CABLE MALE
10-25 mm FUSION-X

PART NO. FUS-CCM35-50
CONNECTOR CABLE MALE
35-50 mm FUSION-X

PART NO.FUS-CCM50-70
CONNECTOR CABLE MALE
50-70 mm FUSION-X

CONNECTOR CABLE FEMALE

Solid brass rubber insulated connectors.



Part No.FUS-CCF10-25
CONNECTOR CABLE FEMALE
10-25 mm FUSION-X

Part No.FUS-CCF35-50
CONNECTOR CABLE FEMALE
35-50 mm FUSION-X

Part No.FUS-CCF50-70
CONNECTOR CABLE FEMALE
50-70 mm FUSION-X

SOCKET PANEL FEMALE

Panel sockets for welding machines. For use with Dinse connectors



Part No.FUS-PS10-25
SOCKET PANEL FEMALE
10-25 mm FUSION-X

Part No.FUS-PS35-50
SOCKET PANEL FEMALE
35-50 mm FUSION-X

Part No.FUS-PS50-70
SOCKET PANEL FEMALE
50-70 mm FUSION-X

CABLE LUGS

Tin plated high conductive copper lugs. For all welding cable sizes



PART NO.FUS-LUG 16X10
Cable Lug 16 mm

PART NO.FUS-LUG 25X10
Cable Lug 25 mm

PART NO.FUS-LUG 35X12
Cable Lug 35 mm

PART NO.FUS-LUG 50X12
Cable Lug 50 mm

PART NO.FUS-LUG 70X12
Cable Lug 70 mm

PENETRANT, DEVELOPER & CLEANER

Non-Destructive testing for quality welding.



Part No.DIF-CLEANER
DIFFUTHERM CLEANER 300 ml

Part No.DIF-DEVELOPER
DIFFUTHERM DEVELOPER 325 ml

Part No.DIF-PENETRANT
DIFFUTHERM PENETRANT 325 ml

ANTI SPATTER SPRAY & SILICONE FREE

Anti-spatter Silicone spray
Anti-spatter Non-Silicone spray



Part No.WEL-ANTISPAT
ANTI SPATTER SPRAY 400 ml

Part No.WEL-ANTISPATSF
ANTI SPATTER SPRAY SILICON FREE 300 ml

METAL PREPARATION

Improve your stainless-steel quality after welding.



Part No.FUS-PICKPASTE
PASTE PICKLING 1 kg FUSION-X

METAL PREPARATION

Improve your stainless-steel quality after welding.



Part No.FUS-PASSIVATE
PASSIVATING GEL 1 L FUSION-X

BOILER MAKER CHALK

144 Pieces per box



Part No.FUS-CHALK
BOILER MAKER CHALK - 144 pieces

TORCH GOUGING K4000 800A ARC AIR

Carbon Arc Air Gouging Torch
800 Amp
Application: Gouging, cutting,
beveling and piercing metal
Compressed Air Required: 80-100 psi



Part No.FUS-K4000
TORCH GOUGING K4000 800A ARC AIR

TORCH GOUGING K5 1200A ARC AIR

Carbon Arc Air Gouging Torch
1200 Amp
Application: Gouging, cutting,
beveling and piercing metal
Compressed Air Required: 80-100 psi



Part No.FUS-K5
TORCH GOUGING K5 1200A ARC AIR

CARBON GOUGING NON JOINTED

Non-jointed carbon electrodes for air
carbon-arc gouging.



Part No.GOUG-CARBON5X305
CARBON GOUGING NON JOINTED
5.0 mm × 305 mm

Part No.GOUG-CARBON6.5X305
CARBON GOUGING NON JOINTED
6.5 mm × 305 mm

Part No.GOUG-CARBON8X305
CARBON GOUGING NON JOINTED
8.0 mm × 305 mm

Part No.GOUG-CARBON9.5X305
CARBON GOUGING NON JOINTED
9.5 mm × 305 mm

HOTBOX/WELDING OVEN

Hotbox 5 kg 220 V Hb5 Fusion-X
Hotbox Insulated 10 kg 220 V Hb10
Dura Arc



Part No.DURA-OVENB
DURA ARC ELECTRODE HOLDING OVEN 55 lt/ 220V

Part No.DURA-HB10
HOTBOX INSULATED 10 kg 220 V HB10 DURA ARC

FIRE BLANKET

Blanket Fire F/Glass Std



Part No.FIRE2X2
BLANKET FIRE 2 m × 2 m F/GLASS STD WHITE

Part No.FIRE3X3
BLANKET FIRE 3 m × 3 m F/GLASS STD WHITE

WELDING SCREEN

Screen Welding With Eyelets Yellow



Part No.WSCREEN2X2
SCREEN WELDING WITH EYELETS
YELLOW 2 m × 2 m

Part No.WSCREEN2X3
SCREEN WELDING WITH EYELETS
YELLOW 2 m × 3 m

Part No.WSCREEN3X3
SCREEN WELDING WITH EYELETS
YELLOW 3 m × 3 m

AUTO DARKENING PROTECTIVE LENSES



Part No.SWL-FCSPARK
SPARK FRONT COVER LENS FUSION-X

Part No.SWL-ICSPARK
SPARK INNER COVER LENS GX-350F FUSION-X

Part No.SWL-FCELITE
ELITE FRONT COVER LENS FUSION-X

Part No.SWL-ICELITE
ELITE INNER COVER LENS GX-600E FUSION-X

Part No.SWL-FCGSTAR
G STAR FRONT COVER LENS FUSION-X

Part No.SWL-ICGSTAR
G STAR INNER COVER LENS -GX-F202 FUSION-X

Part No.FUS-HEADGEAR
HEADGEAR FOR HELMET ADJUSTABLE FUSION-X

WELDING LENS SHADE 108 × 51 mm



Part No.FUS-LENSE8
WELDING LENS SHADE 8 PROTANE GREEN

Part No.FUS-LENSE9
WELDING LENS SHADE 9 PROTANE GREEN

Part No.FUS-LENSE10
WELDING LENS SHADE 10 PROTANE GREEN

Part No.FUS-LENSE11
WELDING LENS SHADE 11 PROTANE GREEN

Part No.FUS-LENSE12
WELDING LENS SHADE 12 PROTANE GREEN

Part No.FUS-LENSECLEAR
WELDING LENS CLEAR GLASS

Part No.FUS-LENSE1000HR
WELDING LENS CLEAR 1000 HR POLYCARBON

WELDING HELMET



Premium



Part No.FUS - SWH - LF
WELDING HELMET LIFT FRONT

Part No.SWH-SPARK
WELDING HELMET NON-ADJUSTABLE SHADE #11

HELMET ADJUSTABLE WELDING & GRINDING ELITE - 600F

PART NO.SWH-ADJUSTBLK



• Technical Specifications

• Shade Guide Table

	Welding Process	Arc Current(Amperes)																					
		1.5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600	
⊗	SMAW	8					9		10		11		12			13			14				
⊗	MAG						8	9	10		11			12			13			14			
⊗	TIG	8			9			10		11			12		13								
⊗	MIG(heavy)						9			10		11		12		13		14					
⊗	MIG(light)									10			11		12		13		14				
⊗	PAC								9		10	11	12		13								
⊗	PAW	4	5		6		7	8	9	10		11		12									
	Note	★ SMAW-Covered electrodes ★ MAG-Metal arc Welding ★ TIG-Gas Tungsten Arc Welding ★ MIG(Heavy)-MIG with heavy metals ★ MIG(light)-MIG with light alloys ★ PAC-Plasma jet cutting ★ PAW-Microplasma arc welding																					

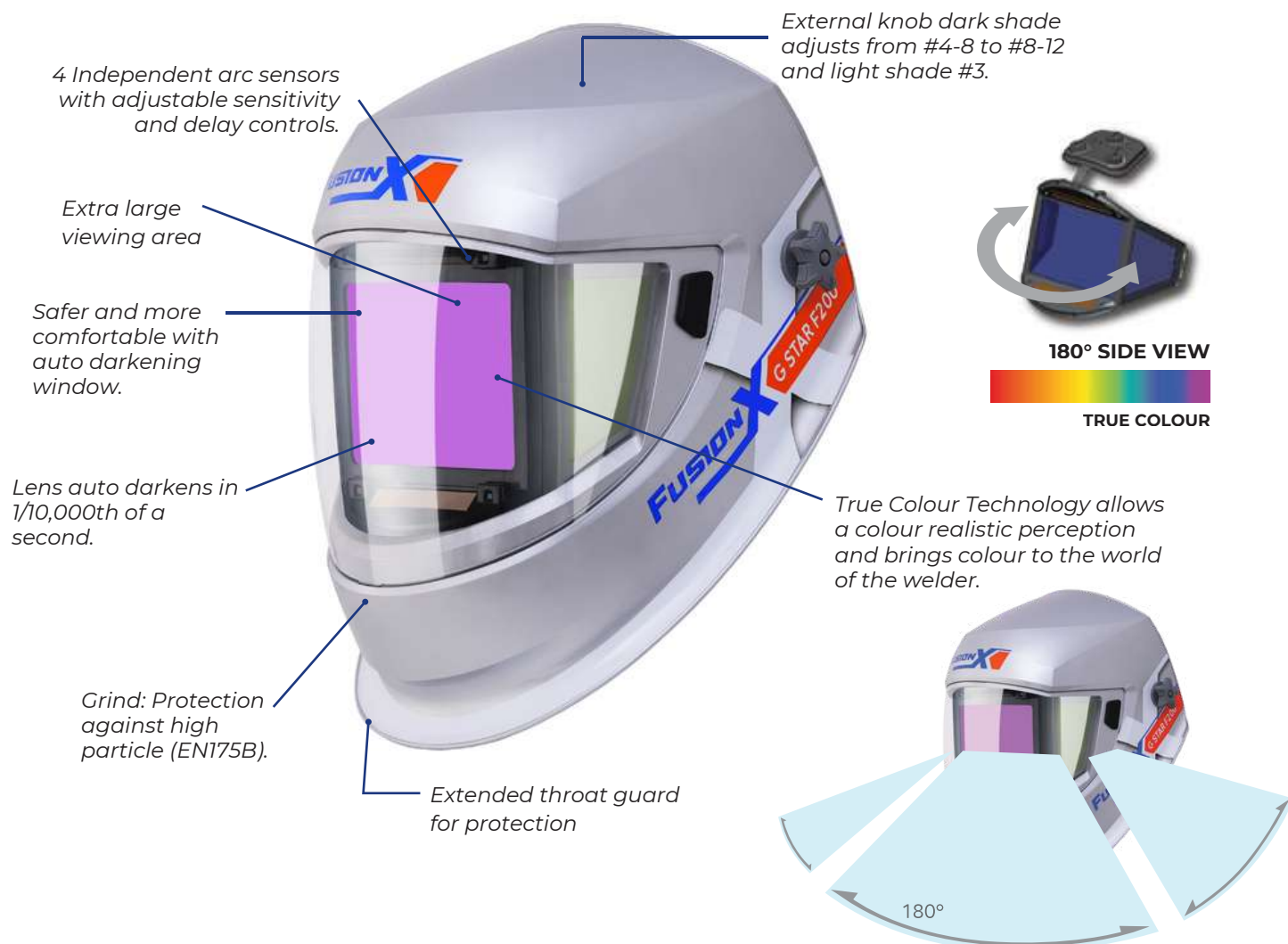
FUSIONX
PROFESSIONAL

ELITE
WELDING HELMET



HELMET ADJUSTABLE WELDING & GRINDING G-STAR F202

PART NO.SWH-ADJUSTTV



Standard variable light filter



1/1/1/2 True color filter
Highest optical class



4/5-8/9-13 Shade
Infinite shade level adjustments



Grind Mode
Suiting welding/ cutting/
grinding mode



1/25000 sec
Fast switching speed



Power Supply
Solar cell+2xCR2450
Lithium Battery.



UV/IR protection
High-Quality Optical Filter
With 16 Layers;
Coated for 99.9% Filtration
Against UV&IR

FUSIONX
PROFESSIONAL

**G-STAR
F200**





MIG ACCESSORIES

FUSIONX
PROFESSIONAL



TORCH MIG MB15 × 4 m WITH EURO ADAPTOR

- 150 Amps @ 60% Duty Cycle
4m MiG torch
- Light to medium duty
- 0.6 – 1.2 mm Wire
- Mixed Gases



Part No.MIG-FUSMB15X4

TORCH MIG MB15 × 4 m WITH EURO ADAPTOR
FUSION-X

TORCH MIG MB25 × 4 m WITH EURO ADAPTOR

- 230 Amps @ 60% Duty Cycle
4m MiG torch
- Light to medium duty
- 0.6 – 1.2 mm Wire
- Mixed Gases



Part No.MIG-FUSMB25X4

TORCH MIG MB25 × 4 m WITH EURO ADAPTOR
FUSION-X

TORCH MIG MB36 × 4 m WITH EURO ADAPTOR

- 270 Amps @ 60% Duty Cycle
4m MiG torch
- Light to medium duty
- 0.8 – 1.2 mm Wire
- Mixed Gases



Part No.MIG-FUSMB36X4

TORCH MIG MB36 × 4 m WITH EURO ADAPTOR
FUSION-X

TORCH MIG MB40 × 4 m WITH EURO ADAPTOR

- 320 Amps @ 60% Duty Cycle
4m MiG torch
- Light to medium duty
- 0.8 – 2.4 mm Wire
- Mixed Gases



Part No.MIG-FUSMB40X4

TORCH MIG MB40 × 4 m WITH EURO ADAPTOR
FUSION-X

TORCH MIG MB501 × 4 m WITH EURO ADAPTOR

- 500 Amps @ 60% Duty Cycle
4m MiG torch
- Light to medium duty
- 0.8 – 1.6 mm Wire
- Mixed Gases



Part No.MIG-FUSMB501X4

TORCH MIG MB501 × 4 m WITH EURO ADAPTOR
FUSION-X

TORCH MIG MB61 × 4 m WITH EURO ADAPTOR

- 500 Amps @ 60% Duty Cycle
4m MiG torch
- Light to medium duty
- 0.8 – 1.6 mm Wire
- Mixed Gases



Part No.MIG-FUSMB61X4

TORCH MIG MB61 × 4 m WITH EURO ADAPTOR
FUSION-X

BNZ STYLE GAS NOZZLE (SHROUD)



Part No.MIG-FUSNZ15

NOZZLE MIG SHROUD CONICAL MB15 FUSION-X

Part No.MIG-FUSNZ25

NOZZLE MIG SHROUD CONICAL MB25 FUSION-X

Part No.MIG-FUSNZ36

NOZZLE MIG SHROUD CONICAL MB36 FUSION-X

Part No.MIG-FUSNZ40

NOZZLE MIG SHROUD CONICAL MB40 FUSION-X

Part No.MIG-FUSNZ501

NOZZLE MIG SHROUD CONICAL MB501 FUSION-X

Part No.MIG-FUSNZ61

NOZZLE MIG SHROUD CONICAL MB61 FUSION-X

BNZ STYLE TIP ADAPTORS



Part No.MIG-FUSTA15

TIP ADAPTOR MB15 × M6 FUSION-X

Part No.MIG-FUSTA25

TIP ADAPTOR MB25 × M6 FUSION-X

MIG-FUSTA36

TIP ADAPTOR MB36 × M8 FUSION-X

Part No.MIG-FUSTA40

TIP ADAPTOR MB40 × M8 FUSION-X

Part No.MIG-FUSTA501

TIP ADAPTOR MB501 × M8 FUSION-X

Part No.MIG-FUSTA61

TIP ADAPTOR MB61 × M10 FUSION-X

BNZ STYLE GAS DIFFUSERS



Part No.MIG-FUSGD36

MIG GAS DIFFUSER MB36 FUSION-X

Part No.MIG-FUSGD40

MIG GAS DIFFUSER MB40 FUSION-X

Part No.MIG-FUSGD501

MIG GAS DIFFUSER MB501 FUSION-X

Part No.MIG-FUSGD61

MIG GAS DIFFUSER FUSION-X BZ 61

BNZ STYLE STEEL LINERS PVC



Blue: MIG-FUSLB0.6-0.9

MIG LINER BLUE PVC

0.6 mm - 0.9 mm × 5.4 m FUSION-X

Red: MIG-FUSLR1.0-1.2

MIG LINER RED PVC

1.0 mm - 1.2 mm × 5.4 m FUSION-X

Yellow: MIG-FUSLY1.2-1.6

MIG LINER YELLOW PVC

1.2 mm - 1.6 mm × 5.4 m FUSION-X

BNZ STYLE TEFLON LINERS (FOR ALUMINIUM WELDING)



Blue: MIG-FUSLTB0.8-0.9

MIG LINER BLUE TEFLON

0.6 mm - 0.9 mm × 5 m FUSION-X

Red: MIG-FUSLTR1.0-1.2

MIG LINER RED TEFLON

1.0 mm - 1.2 mm × 5 m FUSION-X

Yellow: MIG-FUSLTY1.2-1.6

MIG LINER YELLOW TEFLON

1.2 mm - 1.6 mm × 5 m FUSION-X

BNZ STYLE SWAN NECKS



Part No.MIG-FUSSN15

MIG SWAN NECK MB15 FUSION-X

Part No.MIG-FUSSN25

MIG SWAN NECK MB25 FUSION-X

Part No.MIG-FUSSN36

MIG SWAN NECK MB36 FUSION-X

Part No.MIG-FUSSN40

MIG SWAN NECK MB40 FUSION-X

Part No.MIG-FUSSN501

MIG SWAN NECK MB501 FUSION-X

Part No.MIG-FUSSN61

MIG SWAN NECK MB61 FUSION-X

BNZ STYLE M6 - CONTACT TIPS



Part No.MIG-FUSCTM6X0.8

MIG CONTACT TIP M6 × 0.8 mm FUSION-X

Part No.MIG-FUSCTM6X0.9

MIG CONTACT TIP M6 × 0.9 mm FUSION-X

Part No.MIG-FUSCTM6X1.0

MIG CONTACT TIP M6 × 1.0 mm FUSION-X

Part No.MIG-FUSCTM6X1.2

MIG CONTACT TIP M6 × 1.2 mm FUSION-X

BNZ STYLE M8 - CONTACT TIPS



Part No.MIG-FUSCTM8X0.8

MIG CONTACT TIP M8 × 0.8 mm FUSION-X

Part No.MIG-FUSCTM8X0.9

MIG CONTACT TIP M8 × 0.9 mm FUSION-X

Part No.MIG-FUSCTM8X1.0

MIG CONTACT TIP M8 × 1.0 mm FUSION-X

Part No.MIG-FUSCTM8X1.2

MIG CONTACT TIP M8 × 1.2 mm FUSION-X

Part No.MIG-FUSCTM8X1.4

MIG CONTACT TIP M8 × 1.4 mm FUSION-X

Part No.MIG-FUSCTM8X1.6

MIG CONTACT TIP M8 × 1.6 mm FUSION-X

RB61 STYLE M10 - CONTACT TIPS



Part No.MIG-FUSCTM10X1.2

MIG CONTACT TIP M10 × 1.2 mm FUSION-X

Part No.MIG-FUSCTM10X1.4

MIG CONTACT TIP M10 × 1.4 mm FUSION-X

Part No.MIG-FUSCTM10X1.6

MIG CONTACT TIP M10 × 1.6 mm FUSION-X



TIG ACCESSORIES



TORCH TIG WP17V × 4 m

- 200 Amps 4 m TIG torch
- Adjustable valve for gas flow
- Complete with 10/25 male dinse cable trigger switch connector.
- Suitable for use on a DC Inverter



Part No. TIG-FUSWP17VX4
TORCH TIG WP17V × 4 m

TORCH TIG WP18V × 4 m

- 350 Amps 4 m TIG torch
- Adjustable valve for gas flow and trigger switch.
- Complete with 35/50 male dinse cable connector.
- Suitable for use on an AC/DC machine for continuous welding.
- Gas hose fiiter with 3/8 R/H nipple
- Water hose has 3/8 L/H nipples



Part No. TIG-FUSWP18VX8
TORCH TIG WP18V × 8 m

TORCH TIG WP26V × 4 m

- 350 Amps 4 m TIG torch
- Adjustable valve for gas flow and trigger switch.
- Complete with 35/50 male dinse cable connector.
- Suitable for use on an AC/DC machine for continuous welding.
- Gas hose fiiter with 3/8 R/H nipple
- Water hose has 3/8 L/H nipples



Part No. TIG-FUSWP26VX4
TORCH TIG WP26V × 4 m

TORCH TIG WP26VSS × 7.6 m 25 ft

- 350 Amps 8 m TIG torch
- Adjustable valve for gas flow and trigger switch.
- Complete with 35/50 male dinse cable connector.
- Suitable for use on an AC/DC machine for continuous welding.
- Gas hose fiiter with 3/8 R/H nipple
- Water hose has 3/8 L/H nipples



Part No. TIG-FUSWP26VSSX25
TORCH TIG WP26VSS × 7.6 m 25 ft

TORCH BODY WITH VALVE



Part No.TIG-FUSWP17V
TORCH BODY WITH VALVE WP17V



Part No.TIG-FUSWP26V
TORCH BODY WITH VALVE WP26V

BACK CAP LONG 57Y02 TIG



Part No.TIG-FUS57Y02
BACK CAP LONG 57Y02 TIG

BACK CAP SHORT 57Y02 TIG



Part No.TIG-FUS57Y04
BACK CAP SHORT 57Y04 TIG

COLLETS



Part No.TIG-FUS10N23
COLLET 10N23 1.6 mm TIG
Part No.TIG-FUS10N24
COLLET 10N24 2.4 mm TIG
Part No.TIG-FUS10N25
COLLET 10N25 3.2 mm TIG

COLLET BODY



Part No.TIG-FUS10N28
COLLET BODY 10N28 1.6 mm TIG
Part No.TIG-FUS10N31
COLLET BODY 10N31 2.4 mm TIG
Part No.TIG-FUS10N32
COLLET BODY 10N32 3.2 mm TIG

ALUMINA TIG NOZZLE



Part No.TIG-FUS10N50
NOZZLE ALUMINA TIG 10N50 NO4 CERAMIC TIG
Part No.TIG-FUS10N49
NOZZLE ALUMINA TIG 10N49 NO5 CERAMIC TIG
Part No.TIG-FUS10N48
NOZZLE ALUMINA TIG 10N48 NO6 CERAMIC TIG
Part No.TIG-FUS10N47
NOZZLE ALUMINA TIG 10N47 NO7 CERAMIC TIG
Part No.TIG-FUS10N46
NOZZLE ALUMINA TIG 10N46 NO8 CERAMIC TIG
Part No.TIG-FUS54N14
NOZZLE ALUMINA TIG 54N14 NO8 CERAMIC TIG
Part No.TIG-FUS54N15
NOZZLE ALUMINA TIG 54N15 NO7 CERAMIC TIG
Part No.TIG-FUS54N16
NOZZLE ALUMINA TIG 54N16 NO6 CERAMIC TIG

TUNGSTEN THORIATED



Part No.TIG-FUSTTUNG1.6
TUNGSTEN THORIATED 1.6 mm WT20 RED TIP TIG
Part No.TIG-FUSTTUNG2.4
TUNGSTEN THORIATED 2.4 mm WT20 RED TIP TIG
Part No.TIG-FUSTTUNG3.2
TUNGSTEN THORIATED 3.2 mm WT20 RED TIP TIG

TUNGSTEN ZIRCONIATED



Part No.TIG-FUSZTUNG1.6
TUNGSTEN ZIRCONIATED 1.6 mm WZ8
WHITE TIP TIG
Part No.TIG-FUSZTUNG2.4
TUNGSTEN ZIRCONIATED 2.4 mm WZ8
WHITE TIP TIG
Part No.TIG-FUSZTUNG3.2
TUNGSTEN ZIRCONIATED 3.2 mm WZ8
WHITE TIP TIG



GAS ACCESSORIES



FUSION X

TORCH GAS CUTTING UNIVERSAL BOC TYPE

- Heavy duty
- Cutting capacity 300 mm
- For use with Oxygen, Acetylene or Propane
- Uses ANM/ANME/PNM & PNME cutting nozzles



Part No.FUS-CTORCH

TORCH GAS CUTTING UNIVERSAL BOC TYPE
FUSION-X

ATTACHMENT GAS CUTTING UNIVERSAL BOC TYPE

- Top cutting lever
- Heavy duty die-forged brass head cutting attachment
- Cuts up to 200 mm
- Stainless steel tuber for strength and durability
- Uses ANM/ANME/PNM & PNME cutting nozzles



Part No.FUS-CATT

ATTACHMENT GAS CUTTING UNIVERSAL
BOC TYPE FUSION-X

SHANK GAS CUTTING UNIVERSAL BOC TYPE

- Brass forger and aluminium extruded handle
- Heavy duty handle for cuts up to 200 mm & welds up to 9 mm
- Stainless steel valves for accurate and fast adjustment
- 3/8 hose connections



Part No.FUS-CSHANK

SHANK GAS CUTTING UNIVERSAL BOC TYPE
FUSION-X

MIXER GAS CUTTING OXY ACET UNIVERSAL

- Medium pressure mixer
- Use swaged welding nozzles
- Connects on to shank/handle



Part No.FUS-MIXER

MIXER GAS CUTTING OXY ACET UNIVERSAL
FUSION-X

MIXER HIGH CAPACITY LPG TYPE 2

- High pressure mixer
- Use with heating lance
- Connects on to shank/handle



Part No.FUS-HCMIXER

MIXER HIGH CAPACITY LPG TYPE 2
FUSION-X

LIGHTER GAS TRIPLE FLINT

- Renewable Flint heads
- One hand operation



Part No.FUS-LIGHTER

LIGHTER GAS TRIPLE FLINT
FUSION-X

Y PIECE WITH VALVE

- Connecting two hoses to the same regulator
- For purging with Flow meter
- Independent duel control



Part No.FUS-YACC

Y PIECE WITH VALVE ACETYLENE

Part No.FUS-YOXY

Y PIECE WITH VALVE OXYGEN

RENEWAL TRIPLE FLINT

- Replacement Renewable Flint heads



Part No.FUS-RENEWAL

RENEWAL TRIPLE FLINT
FUSION-X

NOZZLE CLEANER

- Assorted cleaning pins
- Cleaning File



Part No.FUS-NOZCLEANER

NOZZLE CLEANER
FUSION-X

REGULATOR OXYGEN MULTI STAGE

- Easy to read gauges
- Forged brass body for strength
- Extended stern with $\frac{3}{8}$ R/H oxygen and $\frac{3}{8}$ L/H Acetylene outlet threads.
- Gauge protectors.



Part No.FUS-REGOXYMS
REGULATOR OXYGEN MULTI STAGE
FUSION-X

REGULATOR ACETYLENE MULTI STAGE

- Easy to read gauges
- Forged brass body for strength
- Extended stern with $\frac{3}{8}$ R/H oxygen and $\frac{3}{8}$ L/H Acetylene outlet threads.
- Gauge protectors.



Part No.FUS-REGACEMS
REGULATOR ACETYLENE MULTI STAGE
FUSION-X

FLOW METER ARGON

- Easy to read gauges & flow tube with clear visibility
- Forged brass body for maximum strength
- Extended stern with $\frac{3}{8}$ R/H thread.
- Suitable for MIG & TIG applications.



Part No.FUS-FMETER
FLOW METER ARGON
FUSION-X

REGULATOR OXYGEN SINGLE STAGE

- Easy to read gauges
- Forged brass body for strength
- Extended stern with $\frac{3}{8}$ L/H oxygen and $\frac{3}{8}$ L/H Acetylene outlet threads.
- Gauge protectors.



Part No.FUS-REGOXYSS
REGULATOR OXYGEN SINGLE STAGE
FUSION-X

REGULATOR ACETYLENE SINGLE STAGE

- Easy to read gauges
- Forged brass body for strength
- Extended stern with $\frac{3}{8}$ R/H oxygen and $\frac{3}{8}$ R/H Acetylene outlet threads.
- Gauge protectors.



Part No.FUS-REGACESS
REGULATOR ACETYLENE SINGLE STAGE
FUSION-X

REGULATOR LPG SINGLE STAGE

- Easy to read gauges & flow tube with clear visibility
- Forged brass body for maximum strength
- $\frac{3}{8}$ L/H thread outlet
- Suitable for Oxy/LPG application
- Max inlet pressure: 2715 bar



Part No.FUS-REGLPGSS
REGULATOR LPG SINGLE STAGE
FUSION-X

REGULATOR LPG HP RED DEVIL

- Red Devil is a robust adjustable regulator for use with LPG only.
- It is equipped with a vent to allow the regulator to breathe during normal operations



Part No.FUS-REGLPGHP
REGULATOR LPG HP RED DEVIL
FUSION-X

FLASHBACK ARRESTORS TORCH

- Oxygen & Acetylene Flash back arrestor
- Prevention of flashback and gas reverse flow
- Available in both regulator and torch $\frac{3}{8}$ mount fittings.



Part No.FUS-188L
FBA ACET TORCH MNT 3/8 FUSION-X
Part No.FUS-188R
FBA OXY TORCH MNT 3/8 FUSION-X

FLASHBACK ARRESTORS REGULATOR

- Oxygen & Acetylene Flash back arrestor
- Prevention of flashback and gas reverse flow
- Available in both regulator and torch $\frac{3}{8}$ mount fittings.



Part No.FUS-288L
FBA ACET REG MNT 3/8 FUSION-X
Part No.FUS-288R
FBA OXY REG MNT 3/8 FUSION-X

BULL NOSE NUT

- Acetylene Bull Nose Nut
- Oxygen Bull Nose Nut



Part No.FUS-BNOSELHA
BULL NOSE NUT LH ACET
Part No.FUS-BNOSERHA
BULL NOSE NUT RH OXY

TAIL NUT

- Tail Piece Oxy Nut Right Hand $\frac{3}{8}$
- Tail Piece Act Nut Left Hand $\frac{3}{8}$



Part No.FUS-TNLH
TAIL NUT LH ACET
Part No.FUS-TNRH
TAIL NUT RH OXY
Part No.FUS-TNLH916
TAIL NUT 9/16 LH ACET
Part No.FUS-TNRH916
TAIL NUT 9/16 RH OXY

TAIL PIECE

- 8 mm Tail Pieces



Part No.FUS-TP8
TAIL PIECE 8 mm
Part No.FUS-TPN8916
TAIL PIECE & NUT 8 mm HOSE FOR 9/16

HEATING NOZZLE

- For use with Oxy Propane
- Specially designed flame released slots
- For heating metals before welding or bending



Part No.FUS-22902H
NOZZLE HEATING 2290 2H
Part No.FUS-22903H
NOZZLE HEATING 2290 3H
Part No.FUS-22904H
NOZZLE HEATING 2290 4H
Part No.FUS-22905H
NOZZLE HEATING 2290 5H

NECK TUBE

- 1000 mm Stainless Steel



Part No.FUS-NT1000SS
NECK TUBE 1000 mm STAINLESS STEEL
FUSION-X

HOSE CLAMP PARALLEL STEEL

- Used to hold oxygen and Acetylene hose side by side



Part No.CLAMP-STEEL
HOSE CLAMP PARALLEL STEEL

NOZZLE TIP NUT FOR BOC UNIVERSAL TORCH

- Replaceable Nut for BOC type Cutting Torch



Part No.FUS-TIPNUT
NOZZLE TIP NUT FOR BOC UNIVERSAL TORCH

BULL NOSE INLET STEM

- Bull Nose Inlet Stem 100 mm



Part No.FUS-BULLNOSEA
BULL NOSE INLET STEM 100 mm
Part No.FUS-BULLNOSEB
BULL NOSE INLET STEM 100 mm M/S

OETIKER CLAMP

- Used to secure hose to tail pieces



Part No.FUS-OET9-11
OETIKER CLAMP 9-11 mm
Part No.FUS-OET13-15
OETIKER CLAMP 13-15 mm
Part No.FUS-OET15-18
OETIKER CLAMP 15-18 mm

ANM CUTTING NOZZLE - SHORT

- Oxygen Acetylene Cutting Nozzles Short
- Used on Universal Cutting Torch & Cutting Attachment



Part No.FUS-ANM0.8

NOZZLE CUTTING ANM 0.8 mm FUSION-X

Part No.FUS-ANM1.2

NOZZLE CUTTING ANM 1.2 mm FUSION-X

Part No.FUS-ANM1.6

NOZZLE CUTTING ANM 1.6 mm FUSION-X

Part No.FUS-ANM2.0

NOZZLE CUTTING ANM 2.0 mm FUSION-X

Part No.FUS-ANM2.4

NOZZLE CUTTING ANM 2.4 mm FUSION-X

Part No.FUS-ANM3.2

NOZZLE CUTTING ANM 3.2 mm FUSION-X

ANME CUTTING NOZZLE - LONG

- Oxygen Acetylene Cutting Nozzles Long
- Used on Universal Cutting Torch & Cutting Attachment



Part No.FUS-ANME0.8

NOZZLE CUTTING ANME 0.8 mm FUSION-X

Part No.FUS-ANME1.2

NOZZLE CUTTING ANME 1.2 mm FUSION-X

Part No.FUS-ANME1.6

NOZZLE CUTTING ANME 1.6 mm FUSION-X

Part No.FUS-ANME2.0

NOZZLE CUTTING ANME 2.0 mm FUSION-X

Part No.FUS-ANME2.4

NOZZLE CUTTING ANME 2.4 mm FUSION-X

Part No.FUS-ANME3.2

NOZZLE CUTTING ANME 3.2 mm FUSION-X

6290 NX CUTTING NOZZLE

- Oxy Propane cutting Nozzles
- Two piece cutting nozzle



Part No.FUS-62900NX

NOZZLE CUTTING 6290 0NX FUSION-X

Part No.FUS-62901NX

NOZZLE CUTTING 6290 1NX FUSION-X

Part No.FUS-62902NX

NOZZLE CUTTING 6290 2NX FUSION-X

Part No.FUS-62903NX

NOZZLE CUTTING 6290 3NX FUSION-X

Part No.FUS-62904NX

NOZZLE CUTTING 6290 4NX FUSION-X

Part No.FUS-62905NX

NOZZLE CUTTING 6290 5NX FUSION-X

Part No.FUS-62906NX

NOZZLE CUTTING 6290 6NX FUSION-X

PNM CUTTING NOZZLE - SHORT

- Oxy Propane cutting Nozzles
- Used on Universal Cutting Torch & Cutting Attachment
- Two piece cutting nozzle



Part No.FUS-PNM0.8

NOZZLE CUTTING PNM 0.8 mm FUSION-X

Part No.FUS-PNM1.2

NOZZLE CUTTING PNM 1.2 mm FUSION-X

Part No.FUS-PNM1.6

NOZZLE CUTTING PNM 1.6 mm FUSION-X

Part No.FUS-PNM2.0

NOZZLE CUTTING PNM 2.0 mm FUSION-X

Part No.FUS-PNM2.4

NOZZLE CUTTING PNM 2.4 mm FUSION-X

Part No.FUS-PNM3.2

NOZZLE CUTTING PNM 3.2 mm FUSION-X

PNME CUTTING NOZZLE - LONG

- Oxy Propane cutting Nozzles
- Used on Universal Cutting Torch & Cutting Attachment
- Two piece cutting nozzle



Part No.FUS-PNME0.8

NOZZLE CUTTING PNME 0.8 mm FUSION-X

Part No.FUS-PNME1.2

NOZZLE CUTTING PNME 1.2 mm FUSION-X

Part No.FUS-PNME1.6

NOZZLE CUTTING PNME 1.6 mm FUSION-X

Part No.FUS-PNME2.0

NOZZLE CUTTING PNME 2.0 mm FUSION-X

Part No.FUS-PNME2.4

NOZZLE CUTTING PNME 2.4 mm FUSION-X

Part No.FUS-PNME3.2

NOZZLE CUTTING PNME 3.2 mm FUSION-X

AFN CUTTING NOZZLE

- Oxygen Acetylene Cutting Nozzles
- Used on Porter Pack Kit



Part No.FUS-AFN1

NOZZLE CUTTING AFN 1 0.8 mm FUSION-X

Part No.FUS-AFN2

NOZZLE CUTTING AFN 2 1.2 mm FUSION-X

Part No.FUS-AFN3

NOZZLE CUTTING AFN 3 1.6 mm FUSION-X

SWAGED BRAZING NOZZLE

- Brazing Nozzle 3, 5, 7



Part No.FUS-SWA3

NOZZLE BRAZING SWAGED NO 3 FUSION-X

Part No.FUS-SWA5

NOZZLE BRAZING SWAGED NO 5 FUSION-X

Part No.FUS-SWA7

NOZZLE BRAZING SWAGED NO 7 FUSION-X

GAS HOSE

- Heavy duty reinforced hose
- 100 m rolls 8 mm diameter
- Copies to ISO-3821



Part No.FUS-ACC8

HOSE GAS 8 mm ACETYLENE (RED) DURA ARC

Part No.FUS-OXY8

HOSE GAS 8 mm OXYGEN (BLUE) DURA ARC

Part No.FUS-PRO8

HOSE GAS 8 mm PROPANE/LPG (ORANGE) DURA ARC

GAS BOTTLE TROLLEY



Part No.TROLLEYS

GAS BOTTLE TROLLEY SINGLE

Part No.TROLLEYDBL

GAS BOTTLE TROLLEY DOUBLE

Part No.TROLLEY-LPG

GAS TROLLEY LPG 19 kg

Part No.TROLLEYDBLLPG

GAS BOTTLE TROLLEY DOUBLE LPG 48 kg

KIT WELDING & CUTTING PORTAPACK TYPE



CONFORMS TO
EN ISO 2503



KIT WELDING & CUTTING PREMIUM LARGE



CONFORMS TO
EN ISO 2503



PLASMA ACCESSORIES



FUSIONX
PROFESSIONAL

TORCH PLASMA CUTTING PT31 × 5 m

- Plasma PT31
- Torch Length: 5 m
- Air Pressure: 4.5-5.5 bar
- Duty Cycle 60% @ 40amps



Part No. PC-PT31X5

TORCH PLASMA CUTTING PT31 X 5MT FUSION-X



Part No. PC-PT31TIPS

TIP CUTTING SHORT PLASMA PT31 FUSION-X

Part No. PC-PT31ELECTS

ELECTRODE SHORT PLASMA PT31 FUSION-X

Part No. PC-PT31TIPL

TIP CUTTING LONG PLASMA PT31 FUSION-X

Part No. PC-PTELECTL

ELECTRODE LONG PLASMA PT31 FUSION-X

Part No. PC-PT31GD

GAS DIFFUSER PLASMA PT31 FUSION-X

Part No. PC-PT31SHIELD

SHIELD CUP PLASMA PT31 FUSION-X

TORCH PLASMA CUTTING P60 × 5 m

- Plasma AG-60
- Torch Length: 5 m
- Air Pressure: 4.5-5.5 bar
- Duty Cycle 60% @ 70amps



Part No. PC-P60X5

TORCH PLASMA CUTTING P60 X 5MT FUSION-X



PC-P60ELECT

ELECTRODE PLASMA P60 FUSION-X

PC-P60NOZZLE

NOZZLE PLASMA P60 FUSION-X

PC-P60SHIELD

SHIELD CUP PLASMA P60 FUSION-X

PC-P60GUIDE

SPACER GUIDE PLASMA P60 FUSION-X

TORCH PLASMA CUTTING P80 × 5 m

- Plasma P80 air cooled
- Torch Length: 5 m
- High Frequency
- Duty Cycle 60% @ 100amps



Part No. PC-P80X5

TORCH PLASMA CUTTING P80 X 5MT FUSION-X



PC-P80ELECT

ELECTRODE PLASMA P80 FUSION-X

PC-P80NOZ1.1

NOZZLE 1.1 mm PLASMA P80 FUSION-X

PC-P80NOZ1.3

NOZZLE 1.3 mm PLASMA P80 FUSION-X

PC-P80NOZ1.7

NOZZLE 1.7 mm PLASMA P80 FUSION-X

PC-P80CAP

CAP RETAINING PLASMA P80 FUSION-X

PC-P80WHEEL

WHEEL SITE PLASMA P80 FUSION-X



WELDING MACHINES

FUSIONX
PROFESSIONAL



ESSENTIAL GUIDANCE FOR SELECTING THE CORRECT WELDING OR CUTTING PROCESS

MMA (Stick) Welding



Most versatile and widely used welding process, suitable for a range of applications from repair to structural work.

- Performs well on rusty, painted, or dirty steel
- Excellent for outdoor work where wind affects shielding gases
- Simple equipment, easy to transport, and highly reliable
- Strong, deep penetration for structural steel and repairs
- Works on mild steel, cast iron, stainless steel, and hard-facing electrodes

MIG Welding

MIG = Metal Inert Gas (argon).

MAG = Metal Active Gas (CO₂ or mixed gas).



Fast, clean welding ideal for fabrication and workshop environments. Uses shielding gas for smooth, consistent results.

- Produces smooth, low-spatter welds with minimal clean-up
- Easy to learn for new operators
- High deposition rate increases productivity
- Suitable for mild steel, stainless steel, and aluminium (with correct wire and gas)

Flux Cored (FCAW)

FCAW = Flux Cored Arc Welding (gas-shielded or self-shielded).

Ideal for outdoor and heavy-duty work where shielding gas is unstable.



- Designed for outdoor and windy environments
- Performs well on dirty, rusty, and contaminated metals
- Deep penetration ideal for thicker steel sections
- High deposition rate for fast welding in heavy fabrication
- Available in gas-assisted or self-shielded (gasless) wire options
- Reliable for structural work, site welding, and farm repairs

TIG Welding (AC / DC)

Produces precise, high-quality welds with excellent control, ideal for stainless steel and non-ferrous metals.



- AC mode suitable for aluminium and magnesium
- DC mode suitable for stainless steel, copper alloys, and thin materials
- Produces aesthetic, high-quality welds
- Excellent heat control for distortion-sensitive work
- Suitable for fine, intricate fabrication
- Allows welding with or without filler wire

Plasma Cutting

Cuts all conductive metals using ionised air, providing fast, accurate performance for workshop and field use.



- Works with compressed air, economical and practical
- Produces narrow kerf and clean edge finish
- Minimal heat-affected zone reduces distortion
- Suitable for thin sheet and thicker plate
- Hand-held systems can cut up to 50 mm, depending on machine size



THE CORRECT PROCESS

Steel

MMA • MIG • FCAW • DC-TIG

Stainless Steel

MMA • MIG • FCAW • DC-TIG

Nickle Alloys

MMA • DC-TIG

Aluminium

MIG • AC-TIG

Cast Iron

MMA • DC-TIG

Copper and Brass

MIG • DC-TIG

Titanium

DC-TIG

Magnesium Alloys

DC-TIG

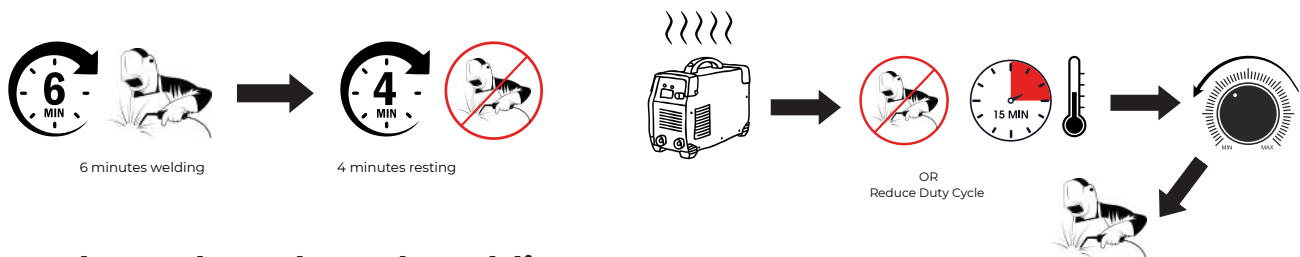
All Conductive Metals

Plasma Cutting

Duty Cycle Explained

The duty cycle indicates how long a welding machine can operate within a ten-minute period without overheating. For example, if a machine shows a 60% duty cycle at a set amperage, it can weld continuously for six minutes and must then rest for four minutes to cool down. The duty cycle refers only to the time the machine is actively welding, not the time it is switched on but not in use.

Exceeding the rated duty cycle can cause the machine to overheat and may void the warranty.



Manual Metal Arc (MMA) Welding

MANUAL METAL ARC (MMA) WELDING, also known as stick welding, is a manual welding process that uses a consumable electrode coated in flux to create the weld. An electric current, either alternating current (AC) or direct current (DC), forms an arc between the electrode and the metal being joined. As the weld is made, the flux coating burns away and produces vapours that act as a shielding gas, while the remaining flux forms a layer of slag that protects the weld from atmospheric contamination. Because the equipment is simple, portable, and easy to operate, MMA is one of the most widely used welding methods worldwide.

Tungsten Inert Gas (TIG) Welding

TUNGSTEN INERT GAS (TIG) WELDING is an arc welding process that uses a consumable tungsten electrode to produce the weld. The weld area is protected from contamination by a shielding gas such as argon, and a filler rod is used when necessary. TIG is commonly used for stainless steel and non-ferrous metals such as aluminium, magnesium, and copper alloys. This process gives the operator a high level of control, allowing for accurate, clean, and high-quality welds. Although TIG produces excellent results, it requires more skill and is slower than other welding methods.

Metal Inert Gas (MIG) Welding

METAL INERT GAS (MIG) WELDING, also referred to as metal active gas (MAG) welding, is an automatic or semi-automatic process that feeds a continuous wire electrode through a welding gun. At the same time, a shielding gas such as argon or carbon dioxide flows through the gun to protect the weld from contamination. This combination allows the metal to be joined quickly and efficiently. MIG welding produces smooth, clean welds with minimal spatter, making it ideal for fabrication work and general workshop use.

Plasma Cutting

PLASMA CUTTING is a cutting process that uses a plasma machine and compressed air to cut through steel and alloys. Air is forced through a small opening in the cutting tip, where an electric charge ionises the air and turns it into plasma. The plasma arc melts the metal, and the high-speed airflow removes it to create a clean cut. Plasma cutting is effective on both thin and thick materials, and hand-held systems can typically cut up to 50 millimetres depending on the machine's capacity. It is fast, precise, and suitable for workshop and field use.



ARC SERIES INVERTER WELDERS

Built for performance, safety, and reliability.



FUS - ARC160
220V | 160A



- **60% duty cycle**, lightweight **5.2 kg** design, and **62V open-circuit voltage** for reliable arc performance.
- A **compact and efficient inverter welder** designed for light fabrication, maintenance, and on-site repair work. 60
- Powered by advanced **IGBT technology**, it delivers a stable arc with smooth performance and low spatter.
- Equipped with **Hot Start**, **Arc Force**, and **Anti-Stick** controls for easy ignition and consistent weld quality.
- Built for reliability, with **overheat and over-current protection (O.H./O.C.)**, and a **digital display** for precise current adjustment.
- Compatible with **6013** and **7018 electrodes (1.6 - 4.0mm)**.
- Generator friendly and supplied with a cable kit.



FUS - ARC200
230V | 200A



- **60% duty cycle**, lightweight **5.3 kg** design, and **62V open-circuit voltage** for reliable arc performance.
- A **robust single-phase inverter welder** built for daily use in workshops and light industry.
- Delivers strong, stable performance on mild steel and general fabrication applications.
- Features **synergic MMA welding**, **Hot Start**, **Arc Force**, and **Anti-Stick** functions for smoother arc ignition and control.
- Designed with a **digital display**, rugged casing, and efficient airflow for prolonged reliability.
- Supports **6013** and **7018 electrodes (1.6 - 4.0mm)** for versatile operation.
- Generator friendly and supplied with a cable kit.



FUS - ARC200VRD
230V | 200A



- **60% duty cycle**, lightweight **5.3 kg** design, and **81V open-circuit voltage** for reliable arc performance.
- An **advanced VRD (Voltage Reduction Device)** model offering enhanced operator safety and superior control.
- Equipped with **synergic welding technology** and a **built-in parameter database** for precision adjustment.
- Supports **Lift TIG** functionality for greater versatility in TIG and stick applications.
- Ensures stable arc performance across wide voltage inputs (**AC150-280V**) and allows for **long cable compatibility**.
- Ideal for **cellulosic** and **low-hydrogen electrodes - 6013, 6011, and 7018**, delivering strong, clean welds even under demanding conditions.
- Generator friendly and supplied with a cable kit.



FUS - ARC400VRD
380V | 400A



- **60% duty cycle**, heavy-duty **20.5 kg** construction, and **70V open-circuit voltage** for reliable arc performance.
- A **heavy-duty three-phase inverter welder** built for industrial performance and high productivity.
- Powered by **dual IGBT modules**, ensuring stable output and efficiency in demanding environments.
- Includes **Lift TIG** functionality, **VRD safety**, and **adjustable Hot Start / Arc Force / Anti-Stick** for complete control.
- Features a **Hi-Def digital display** and **MCU control** for precision setting and monitoring.
- Ideal for **construction, fabrication**, and **heavy repair** work requiring consistent power and arc stability.
- Generator friendly and supplied with a cable kit.



FUS - ARC630VRD
380V | 630A



- **60% duty cycle**, heavy-duty **23.5 kg** construction, and **80V open-circuit voltage** for reliable arc performance.
- A **high-performance industrial inverter welder** engineered for endurance and reliability.
- Delivers **high duty cycle operation** for continuous welding under load.
- Includes **Lift TIG support**, **VRD protection**, and **Arc Gouging capability** for heavy fabrication and site work.
- Built with **robust IGBT technology**, offering efficiency, consistent penetration, and smooth arc characteristics.
- Ideal for **shipbuilding, pipeline construction**, and **structural steel fabrication**.
- Generator friendly and supplied with a cable kit.



Forced Air Cooling



Energy Saving



MMA



OC Protection



OH Protection

MIG SERIES INVERTER WELDERS

Versatile performance for fabrication, production, and repair.



FUS - MIG130
230V | 130A



- **60% duty cycle**, compact **1 kg** wire-spool design, and **62 V open-circuit voltage** for reliable MIG performance.
- A **multifunctional gasless MIG inverter** with integrated MMA and Lift TIG capability.
- Synergic wire-feed system supports **0.8 / 0.9 / 1.0 mm** wire selection.
- Compact and portable for light fabrication, auto repair, and on-site welding.
- Includes **VRD protection** for user safety and stable arc performance.
- **MB15 Torch**



FUS - MIG200
230V | 200A



- **60% duty cycle** at 200 A (25 °C), **65 V open-circuit voltage**, and compatibility with **1 kg** or **5 kg** wire spools for flexible MIG performance.
- A **versatile synergic MIG inverter** with Lift TIG and MMA functions.
- High duty cycle design for medium fabrication and workshop use.
- Features a **Hi-Def digital display** for precise control and **VRD safety circuit**.
- Compatible with solid or flux-core wire for both gas and gasless welding.
- **MB25 Torch**



FUS - MIG250
230V | 250A



- **60% duty cycle** at 40 °C, **52 V open-circuit voltage**, and a **15 kg** wire-spool system for reliable MIG performance.
- A **compact industrial MIG system** built for robust MIG, Lift TIG, and MMA welding.
- Double-drive mechanism ensures smooth wire feeding and reliable arc stability.
- Equipped with **2T / 4T trigger modes**, **inching feed**, and integrated trolley for mobility.
- Ideal for medium fabrication, steel structures, and workshop applications.
- **MB25 Torch**



DUTY
100%
CYCLE

FUS - MIG350
380V | 350A



- **100% duty cycle** and robust **3-phase industrial** design for reliable MIG performance.
- A **full-industrial MIG/MAG inverter** with remote wire-feed unit and synergic control.
- Handles **MIG / MAG / MMA / Arc Gouging** operations with exceptional stability.
- Features **Smart Gas** technology, **2T / 4T control**, and **inching feed** for precise starts.
- Built for continuous production welding in fabrication shops and heavy engineering.
- **QTB 350 Torch**



DUTY
100%
CYCLE

FUS - MIG500
380V | 500A



- **100% duty cycle** and **heavy-duty 3-phase industrial** construction for reliable MIG performance.
- A **high-capacity industrial MIG/MAG inverter** for demanding production use.
- Delivers consistent output at full load for extended welding cycles.
- Supports **CO₂ / Mixed-Gas synergic modes**, **Arc Gouging**, and **MMA** welding.
- Incorporates **Smart Gas control**, **2T / 4T trigger**, and **inching feed** for maximum precision.
- **QTB 500 Torch**

TIG SERIES INVERTER WELDERS

Precision welding, refined control, and professional performance.



FUS - TIG200P

230V | 200A



- **60% duty cycle**, and **65 V open-circuit voltage** for stable TIG performance.
- A **DC TIG and MMA inverter welder** with pulse and spot welding functionality.
- Features **HF start ignition** and **2T / 4T trigger modes** for flexible operation.
- Equipped with a **large digital display**, post-flow adjustment, and **optional pedal control**.
- Compact, portable, and ideal for light fabrication, stainless steel, and automotive repair.
- **WP26 Torch**



FUS - TIG200ACDC

230V | 200A



- **60% duty cycle**, and **60 V open-circuit voltage** for reliable AC/DC TIG performance.
- A **multifunctional ACDC TIG and MMA inverter** with pulse control.
- Delivers **excellent performance on thin materials** with refined heat concentration and smooth shaping.
- Features **AC Pulse TIG** mode for clean aluminium welding and precise digital control for reduced deformation.
- Includes a **Hi-Def digital display** and stable arc performance across variable loads.
- **WP26 Torch**



FUS - TIG315ACDC

380V | 315A



- **60% duty cycle** and **3-phase power** for stable industrial TIG performance.
- A **high-performance industrial ACDC TIG inverter** engineered for professional fabrication.
- Delivers powerful yet refined performance with **waveform control** (Square, Sine, Triangle, Mix).
- Ideal for **stainless steel, aluminium, and precision components** requiring fine heat management.
- Features **AC Pulse TIG, Hi-Def digital control, and VRD safety** for operator protection.
- Available with a **water-cooled torch system** for extended operation under high load.
- **WP18 Water-Cooled Torch**

ACCESSORIES & COOLING SYSTEMS

Essential support for consistent performance.



WATERCOOLER 10 LT FUS-WC10L

220V | Single Phase



- A **dedicated water-cooling unit** designed to support high-duty TIG welding systems such as the **TIG315ACDC**.
- Operates on standard **220V single-phase input** and provides **10 litres of coolant capacity** for stable, continuous operation.
- Ensures optimal torch temperature management, extending consumable life and maintaining consistent weld quality during long production runs.

****Recommended for use with all heavy-duty ACDC TIG and MIG welders.****

PLASMA SERIES CUTTING MACHINES

Clean cuts. Consistent performance. Professional precision.



FUS - CUT50
230V | 50A



- **60% duty cycle** at 40 °C, and **300 V open-circuit voltage**.
- A **compact and efficient plasma cutter** designed for light fabrication, maintenance, and workshop use.
- Features a **Hi-Def digital display** for precise current adjustment and stable arc control.
- Provides clean, fast cuts up to **12 mm** (maximum **15 mm**) with smooth edge finish.
- Perfect for small-scale fabrication, auto repair, and field maintenance.
- **PT31 Torch**



FUS - CUT80
380V | 80A



- **60% duty cycle** at 40 °C, and **320 V open-circuit voltage**.
- A **powerful 3-phase plasma inverter** for heavy fabrication and production work.
- Equipped with a **Hi-Def digital display** and smooth pilot arc for clean starts.
- Delivers high-quality cuts up to **18 mm** (maximum **25 mm**) with gouging capability.
- Compatible with **CNC interface** and optional **P60 Plasma Torch** for automated cutting.
- **P60 Torch**



FUS - CUT125
380V | 125A



- **100% duty cycle** at 40 °C, and **350 V open-circuit voltage**.
- A **high-capacity industrial plasma cutter** built for continuous operation and precision cutting.
- Features **HF Pilot Arc ignition**, **HF/Pulse start**, and full **2T / 4T trigger control**.
- Includes **CNC interface** and **digital display** for precise, repeatable settings.
- Achieves cutting capacity up to **30 mm** (maximum **50 mm**) on mild steel with smooth, clean edges.
- Rated **IP23** for durability in workshop and site environments.
- **CB150 Torch**

LASER SERIES FIBRE LASER SYSTEMS

Precision redefined through light.



LASER 3-IN-1 HANDHELD FIBRE LASER WELDING SYSTEM
FUS - LS15000F

1500W | Fibre Laser | Water-Cooled | Welding / Cleaning / Cutting



- A **multi-functional handheld fibre laser system** engineered for modern fabrication and manufacturing.
- Performs **three operations in one unit** - welding, surface cleaning, and cutting, with minimal distortion and maximum efficiency.
- Equipped with **integrated water cooling** to maintain stable laser output during extended use.
- Delivers **high-speed, precise welds** on stainless steel, carbon steel, aluminium, and other reflective metals.
- Designed for **ease of use**, reduced post-processing, and superior finish quality across all applications.

****Recommended for advanced fabrication and maintenance requiring high-speed, distortion-free welds.****



RETAIL RANGE

FUSIONX
PROFESSIONAL



PREPACKED ELECTRODE AND BRAZING RODS



FUS-PP001
E6013
MILD STEEL
ELECTRODE
2.0 mm



FUS-PP002
E6013
MILD STEEL
ELECTRODE
2.5 mm



FUS-PP003
E6013
MILD STEEL
ELECTRODE
3.2 mm



FUS-PP004
E7018-1
LOW HYDROGEN
ELECTRODE
2.5 mm



FUS-PP005
E316
S/STEEL
ELECTRODE
2.5 mm



FUS-PP006
E316L
S/STEEL
ELECTRODE
3.2 mm



FUS-PP007
E312L
TOOL STEEL
ELECTRODE
2.5 mm



FUS-PP008
E312L
TOOL STEEL
ELECTRODE
3.2 mm



FUS-PP009
CAST IRON
ELECTRODE
2.5 mm



FUS-PP010
CAST IRON
ELECTRODE
3.2 mm



FUS-PP011
GOUGING
ELECTRODE
2.2 mm



FUS-PP012
HARDFACING
ELECTRODE
3.2 mm



FUS-PP013
ALUMINIUM
ELECTRODE
2.5 mm



FUS-PP014
CCR
3.0 mm



FUS-PP015
BRONZE
BRAZING
BBR 2.0 mm



FUS-PP016
BRONZE
BRAZING
BBR 3.0 mm



FUS-PP017
BBR FLUX
COATED
3.0 mm



FUS-PP018
SILVER
SOLDER
BARE 1.5 mm



FUS-PP019
SILVER
SOLDER
FLUX
COATED
1.5 mm



FUS-PP020
COPPERFLO
0% AG 2.0
mm



FUS-PP021
COPPERFLO
0% AG 3.0
mm



FUS-PP022
ALUMINIUM
RODS
1.6 mm



FUS-PP023
ALUMINIUM
RODS
3.2 mm



FUS-PP024
BRONZ
BRAZING
FLUX 500g



FUS-PP025
SILVER
SOLDER
FLUX 500g



FUS-PP026
ALUMINIUM
BRAZING
FLUX 250g



PREPACKED ARC WELDING ACCESSORIES



FUS-PP030
ELECTRODE
HOLDER
300 A KD TYPE



FUS-PP031
ELECTRODE
HOLDER
500 A KD TYPE



FUS-PP032
ELECTRODE
HOLDER 400
A OPT TYPE



FUS-PP033
ELECTRODE
HOLDER 600 A
OPT TYPE



FUS-PP034
ELECTRODE
HOLDER 300 A
SAM JAW TYPE



FUS-PP035
ELECTRODE
HOLDER 500 A
SAM JAW TYPE



FUS-PP037
WIRE BRUSH
M/STEEL



FUS-
BRUSHSS6R
STAINLESS
STEEL
WIRE BRUSH



FUS-PP027
EARTH CLAMP
200 A



FUS-PP028
EARTH CLAMP
400 A



FUS-PP029
EARTH CLAMP
600 A



FUS-ECG600
EARTH
CLAMP 600 A
G TYPE



FUS-PP036
CHIPPING
HAMMER



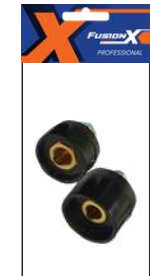
FUS-PP040
MACHINE
SOCKET
10-25



FUS-PP038
MALE
CONNECTOR
10-25



FUS-PP039
MALE
CONNECTOR
10-25



FUS-PP041
MACHINE
SOCKET
35-50



FUS-LUG 16x10
CABLE LUG
16 mm



FUS-LUG 25x10
CABLE LUG
25 mm



FUS-LUG 35x10
CABLE LUG
35 mm



FUS-PP050
LENS SHADE
8



FUS-PP051
LENS SHADE
10



FUS-PP052
LENS SHADE
12



FUS-PP053
LENS
CLEAR GLASS



FUS-PP054
OUTER
PROTECTIVE
LENS
110 x 90



FUS-PP055
INNER
PROTECTIVE LENS
95 x 50



FUS-CABLE SET
16x5
CABLE KIT 160
A 16 mm
(2 m x 3 m)



FUS-CABLE SET
25x5
CABLE KIT 250
A 25 mm
(2 m x 2 m)



SWH-SPARK



SWH-GSTAR



SWH-ELITE



FUS-6013 2.5-1



FUS-6013 2.5

PREPACKED MIG RETAIL ACCESSORIES



FUS-PP068
CONTACT TIP
M6 x 0.8



FUS-PP069
CONTACT TIP
M6 x 0.9



FUS-PP070
CONTACT TIP
M6 x 1.0



FUS-PP071
CONTACT TIP
M6 x 1.2



FUS-PP072
CONTACT TIP
M8 x 0.8



FUS-PP073
CONTACT TIP
M8 x 0.9



FUS-PP074
CONTACT TIP
M8 x 1.0



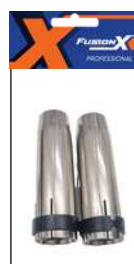
FUS-PP075
CONTACT TIP
M8 x 1.2



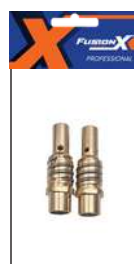
FUS-PP080
NOZZLE
MB15



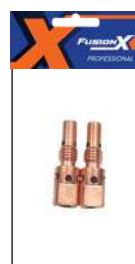
FUS-PP081
NOZZLE
MB25



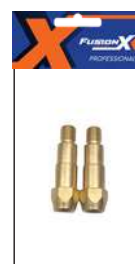
FUS-PP082
NOZZLE
MB36



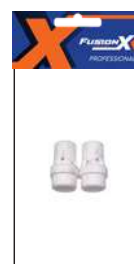
FUS-PP077
TIP ADAPTOR
MB15 M6



FUS-PP078
TIP ADAPTOR
MB25 M8



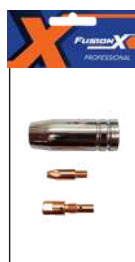
FUS-PP079
TIP ADAPTOR
MB36 M8



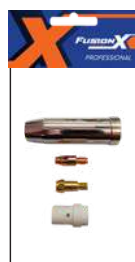
FUS-PP076
GAS DIFFUSER
MB36



FUS-PP086
MIG STARTER
KIT BZ 15



FUS-PP087
MIG STARTER
KIT BZ 25



FUS-PP088
MIG STARTER
KIT BZ 36



MIG-FUSLR
1.0-1.2 LINER
4 m



FUS-CHALK
BOILER
MAKERS
CHALK



WEL-ANTISP80
ANTI SPATTER
NON-SILICONE
300 ml



WEL-ANTISF
ANTI SPATTER
SILICONE
BASED 400 ml



MIG-
FUSMB25X4
MIG TORCH
MB25 x 4 m

MIG-FUSMB15X4
MIG TORCH
MB15 x 4 m

MIG-FUSMB36X4
MIG TORCH
MB36 x 4 m



FUSION X MIG WIRE
FUS-ER70S60.8-5
FUS-ER70S60.8
FUS-ER70S60.9
FUS-ER70S61.0
FUS-ER70S61.2

PREPACKED GAS CUTTING AND WELDING EQUIPMENT



FUS-PP057
FLINT
RENEWALS



FUS-PP056
FLINT LIGHTER



FUS-PP058
NOZZLE
CLEANER



FUS-PP059
CUTTING
NOZZLE ANM
0.8 mm



FUS-PP060
CUTTING
NOZZLE ANM
1.2 mm



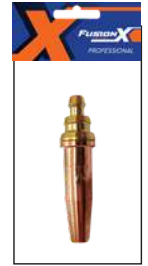
FUS-PP061
CUTTING
NOZZLE ANM
1.6 mm



FUS-PP062
CUTTING
NOZZLE PNM
0.8 mm



FUS-PP063
CUTTING
NOZZLE PNM
1.2 mm



FUS-PP064
CUTTING
NOZZLE PNM
1.6 mm



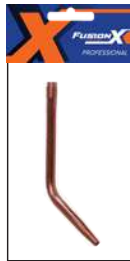
FUS-PP065
FBA OXY
& ACET
TORCH
MOUNT



FUS-PP066
FBA OXY
& ACET
REGULATOR
MOUNT



FUS-SWA3
SWAGED
NOZZLE NO. 3



FUS-SWA5
SWAGED
NOZZLE NO. 5



FUS-SWA7
SWAGED
NOZZLE NO. 7



FUS-PP067
HOSE KIT 3/8



FUS-MIXER
MIXER
(SAF OXY/ACET)



FUS-CTORCH
UNIVERSAL
CUTTING
TORCH



FUS-CATT
CUTTING
ATTACHMENT



FUS-CSHANK
SHANK TORCH
HANDLE



FUS-FMETER
ARGON
FLOWMETER



FUS-REGOXYSS
SINGLE STAGE
REGULATOR
OXY



FUS-REGACSS
SINGLE STAGE
REGULATOR
ACET



FUS-ACC8
HOSE ACETYLENE
8.0 mm



FUS-OXY8
HOSE OXYGEN BLUE
8.0 mm



FUS-KITPP
CUTTING AND
WELDING
KIT (PORTA STYLE)



FUSKITPRE
CUTTING AND
WELDING KIT

PREPACKED TIG AND PLASMA ACCESSORIES



TIG-FUS10N23
COLLETS
1.6 mm 10N23



TIG-FUS10N24
COLLETS
2.4 mm 10N24



TIG-FUS10N25
COLLETS
3.2 mm 10N25



TIG-FUS10N31
COLLET BODY
1.6 mm 10N31



TIG-FUS10N32
COLLET BODY
2.4 mm 10N32



TIG-FUS10N28
COLLET BODY
3.2 mm 10N28



TIG-FUS10N50
CERAMIC
NO. 4 10N50



TIG-FUS10N49
CERAMIC
NO. 5 10N49



TIG-FUS10N48
CERAMIC
NO. 6 10N48



FUS-TTUN1.6
TUNGSTEN
1.6 mm
THORIATED



FUS-TTUN2.4
TUNGSTEN
2.4 mm
THORIATED



FUS-TTUN3.2
TUNGSTEN
3.2 mm
THORIATED



FUS-TZUN1.6
TUNGSTEN
1.6 mm
ZIRCONIATED



FUS-TZUN2.4
TUNGSTEN
2.4 mm
ZIRCONIATED



FUS-TZUN3.2
TUNGSTEN
3.2 mm
ZIRCONIATED



TIG-FUS10N47
CERAMIC
NO. 7 10N47



TIG-FUS10N46
CERAMIC
NO. 8 10N46



TIG-FUS10N45
CERAMIC
NO. 10 10N45



TIG-FUS57Y04
BACK CAP
(short)
57Y04



TIG-FUS57Y02
BACK CAP
(long)
57Y02



FUS-PP090
PT31
TIP LONG



FUS-PP091
PT31
ELECTRODE
LONG



FUS-PP092
PT31
TIP SHORT



FUS-PP093
PT31
ELECTRODE
SHORT



FUS-PP094
PT31
GAS DIFFUSER



FUS-PP095
PT31
SHIELD CUP



FUS-PP096
AG60
ELECTRODE



FUS-PP097
AG60
NOZZLES (tip)



FUS-PP098
AG60
SHIELD CUP



FUS-PP099
P80
ELECTRODE



FUS-PP100
P80
NOZZLES (tip)



FUS-PP101
P80
SHIELD CUP



TIG-FUSWP17VX4
TIG TORCH
WP 17V 4 m



PC-PT31X5
PT31 COMPLETE
TORCH 5 m



PC-P60X5
AG60 PLASMA TORCH
COMPLETE 5 m



PC-P80X5
P80 PLASMA TORCH
COMPLETE 5 m

PREPACKED PPE SAFETY EQUIPMENT



FUS-PP110
VIP
GOAT SKIN
GLOVE



FUS-PP104
CANDY STRIPE
WRIST GLOVE



FUS-PP105
GREEN LINED
WRIST GLOVE



FUS-PP107
RED HEAT
RESIST
WRIST GLOVE



FUS-PP102
CHROME LEATHER
DOUBLE PALM
WRIST GLOVE



FUS-PP114
FLEX
WRIST GLOVE



FUS-PP111
VIP GOAT SKIN
EXTENDED
CUFF ELBOW



FUS-PP106
GREEN LINED
ELBOW GLOVE



FUS-PP108
RED HEAT
RESIST
ELBOW GLOVE



FUS-PP109
BLUE LINED
WELDING
ELBOW GLOVE



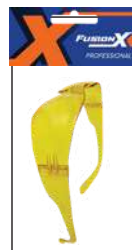
FUS-PP103
CHROME
LEATHER
DOUBLE PALM
ELBOW GLOVE



FUS-PP119
SPORTY
CLEAR
SPECTACLE



FUS-PP120
SPORTY
GREEN
SPECTACLE



FUS-PP121
SPORTY
AMBER
SPECTACLE



FUS-PP117
MONO
GOGGLES



FUS-PP118
BRAZING
GOGGLES



EAR MUFF



FUS-PP122
EURO CLEAR
SPECTACLE



FUS-PP123
EURO GREEN
SPECTACLE



FUS-PP124
EURO AMBER
SPECTACLE

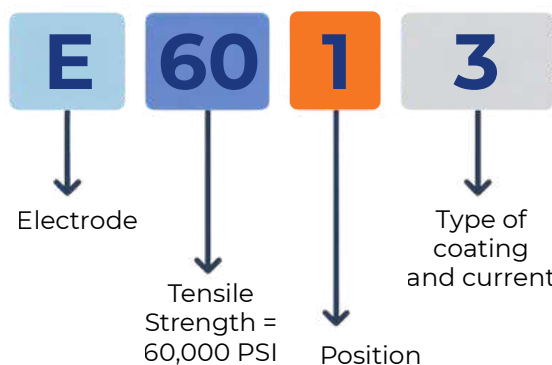
CONSUMABLES



FUSIONX
PROFESSIONAL



E-6013



POSITION

1. Flat, horizontal, vertical, overhead
2. Flat and horizontal only
3. Flat, horizontal, vertical down, overhead

Digit	Type of Coating	Current
0	High Cellulose Sodium	DC+
1	High Cellulose Potassium	AC, DC+
2	High Titania Sodium	AC, DC-
3	High Titania Potassium	AC, DC±
4	Iron Powder, Titania	AC, DC±
5	Low Hydrogen Sodium	DC+
6	Low Hydrogen Potassium	AC, DC±
7	High Iron Oxide, Iron Powder	AC, DC±
8	Low Hydrogen Potassium, Iron Powder	AC, DC±

Plate Thickness	Electrode diameter	Amperage
0 - 1.5 mm	2.0 mm	40-60 amps
1.5 - 2.0 mm	2.5 mm	60-95 amps
2.0 - 5.0 mm	3.2 mm	80-120 amps
5.0 - 8.0 mm	4.0 mm	100-150 amps
8.0 mm - up	5.0 mm	140-200 amps

Product	Description	Application
E6013	General Purpose	Mild Steel/carbon
E7018	Hydrogen Control	Structural applications, x-ray welding and pressure vessels
E7024	Iron Powder	High speed and high deposit
HARD FACING	Hard facing	Building up a surface for protection
GOUGE	Gouge/Metal Removal	Cutting, gouging & grooving steel
CAST IRON 55&99	Cast Iron	Cast iron components & cast iron to steel
316L 308L 309L	Stainless Steel	Heat exchange, tanks chemical storage, food industry
312	Problem Steel	Universal low carbon electrode, for steels of low weldability
ALU ARC	Aluminium Alloys	Engine housings, impellers sump pans etc.



FUSION X MILD STEEL ELECTRODE E6013



Fusion X E6013 is a high-quality rutile electrode designed for smooth, reliable welding on mild steel.

- Suitable for welding in all standard positions, including vertical down
- Produces smooth weld beads with low spatter and easy re-striking
- Delivers stable arc performance for consistent, clean welds
- Ideal for general fabrication, maintenance work and carbon steel repairs



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION	APPROVALS
FUS-E60132.5-1	2.5 mm	Per kg/1 kg box	AWS A5.1 E6013	BS EN ISO2560-B-E 43 12A	ABS/BV/BKI/CCS/DNV.GL/LR/NK/CWB/CE
FUS-E60133.2-1	3.2 mm	Per kg/1 kg box	AWS A5.1 E6013	BS EN ISO2560-B-E 43 12A	ABS/BV/BKI/CCS/DNV.GL/LR/NK/CWB/CE
FUS-E60132.0	2.0 mm	Per kg/5 kg box	AWS A5.1 E6013	BS EN ISO2560-B-E 43 12A	ABS/BV/BKI/CCS/DNV.GL/LR/NK/CWB/CE
FUS-E60132.5	2.5 mm	Per kg/5 kg box	AWS A5.1 E6013	BS EN ISO2560-B-E 43 12A	ABS/BV/BKI/CCS/DNV.GL/LR/NK/CWB/CE
FUS-E60133.2	3.2 mm	Per kg/5 kg box	AWS A5.1 E6013	BS EN ISO2560-B-E 43 12A	ABS/BV/BKI/CCS/DNV.GL/LR/NK/CWB/CE
FUS-E60134.0	4.0 mm	Per kg/5 kg box	AWS A5.1 E6013	BS EN ISO2560-B-E 43 12A	ABS/BV/BKI/CCS/DNV.GL/LR/NK/CWB/CE

FUSION X LOW HYDROGEN ELECTRODE E7018-1 H4 VACUUMED PACKED



Fusion X E7018 is a premium, low-hydrogen electrode developed for strong, crack-resistant welds with excellent toughness.

- Designed for high-strength, crack-resistant welds on medium and low alloy steels
- Performs reliably in all positions except vertical down
- Produces low spatter, excellent arc stability and easy re-striking
- Suitable for structural work, pressure vessels, boilers and shipbuilding



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION	APPROVALS
FUS-E70182.6	2.6 mm	Per kg/2 kg box	AWS A5.1 : E7018-1 H4	ISO 2560-A – E 42 4 B 4 2 H5	ABS/BV/BKI/CCS/DNV.GL/LR/RS/CWB/CW
FUS-E70183.2	3.2 mm	Per kg/2 kg box	AWS A5.1 : E7018-1 H4	ISO 2560-A – E 42 4 B 4 2 H5	ABS/BV/BKI/CCS/DNV.GL/LR/RS/CWB/CW
FUS-E70184.0	4.0 mm	Per kg/2 kg box	AWS A5.1 : E7018-1 H4	ISO 2560-A – E 42 4 B 4 2 H5	ABS/BV/BKI/CCS/DNV.GL/LR/RS/CWB/CW

FUSION-X ELECTRODE IRON POWDER E7024



Fusion X Iron Powder is a heavy-coated, high-efficiency rutile electrode designed for fast deposition and up to 150% weld metal recovery.

- High deposition rate for fast, efficient production welding
- Produces smooth beads with easy slag removal and stable arc control
- Provides up to 150% weld metal recovery for improved productivity
- Ideal for tanks, girders, beams and general structural fabrication



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION	APPROVALS
FUS-E70243.2	3.2 mm	Per kg/5 kg box	AWS A5.1 : E7024	BS EN ISO 2560-B-E 49 03-1 A	ABS/BV/CCS/DNV.GL/LR/NK
FUS-E70244.0	4.0 mm	Per kg/5 kg box	AWS A5.1 : E7024	BS EN ISO 2560-B-E 49 03-1 A	ABS/BV/CCS/DNV.GL/LR/NK

FUSION-X ELECTRODE GOUGE



Fusion X Gouge UM60 is a carbon-cellulose gouging electrode designed for clean, controlled grooving and defect removal on multiple metals.

- Designed for clean gouging, grooving and defect removal on multiple metals
- Suitable for steel, stainless steel, aluminium, brass and cast iron
- Provides controlled metal removal with a stable, forceful arc
- Ideal for pipe repairs, castings, armour plate work and plate rework



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION
FUS-GOUG3.2	3.2 mm	Per kg/5 kg box	DIN 8555 E UM60
FUS-GOUG4.0	4.0 mm	Per kg/5 kg box	DIN 8555 E UM60

FUSION X ELECTRODE 308L-16 STAINLESS STEEL



Fusion X 308L-16 is a rutile-coated stainless steel electrode with a low-carbon austenitic core developed for clean welding on Cr-Ni steels.

- Suitable for welding in all positions except vertical down
- Produces clean, fine-ripple welds with easy slag removal
- Designed for chromium-nickel stainless steels with low carbon content
- Ideal for welding 304L, 302 and 304 stainless steel grades



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION	APPROVALS
FUS-E308L2.5	2.5 mm	Per kg/2 kg tube	AWS A5.4 : E308L-16	ISO 3581-A – E 19 9 L R 3 2	DNV-GL/LR/TUV/DB
FUS-E308L3.2	3.2 mm	Per kg/2 kg tube	AWS A5.4 : E308L-16	ISO 3581-A – E 19 9 L R 3 2	DNV-GL/LR/TUV/DB
FUS-E308L4.0	4.0 mm	Per kg/2 kg tube	AWS A5.4 : E308L-16	ISO 3581-A – E 19 9 L R 3 2	DNV-GL/LR/TUV/DB

FUSION X ELECTRODE 309L-16 STAINLESS STEEL



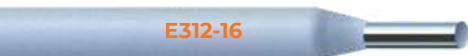
Fusion X 309L-16 is a rutile-type stainless steel electrode designed for welding dissimilar steels with smooth, consistent performance.

- Suitable for welding dissimilar steels and 19-9 Cr-Ni stainless steels
- Provides smooth, stable arc performance with low spatter
- Low carbon content enhances corrosion resistance
- Commonly used as a buffer layer before hard-facing applications



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION	APPROVALS
FUS-E309L2.5	2.5 mm	Per kg/2 kg tube	AWS A5.4 : E309L-16	ISO 3581-A – E 23 12 L R 3 2	DNV-GL/LR/TUV/DB
FUS-E309L3.2	3.2 mm	Per kg/2 kg tube	AWS A5.4 : E309L-16	ISO 3581-A – E 23 12 L R 3 2	DNV-GL/LR/TUV/DB
FUS-E309L4.0	4.0 mm	Per kg/2 kg tube	AWS A5.4 : E309L-16	ISO 3581-A – E 23 12 L R 3 2	DNV-GL/LR/TUV/DB

FUSION X ELECTRODE 312-16 STAINLESS STEEL



Fusion X 312-16 is a rutile-coated stainless steel electrode designed for welding difficult or high-alloy steels with excellent heat resistance.

- Designed for welding difficult-to-join steels and high-alloy materials
- Produces strong, scale-resistant welds up to approximately 1000°C
- Offers smooth arc control and clean, rippled weld appearance
- Suitable for crusher cones, knives, dies and high-wear components



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-E3122.5	2.5 mm	Per kg/2 kg tube	AWS A5.4 : E312-16	IS 5206 E29.9 R26
FUS-E3123.2	3.2 mm	Per kg/2 kg tube	AWS A5.4 : E312-16	IS 5206 E29.9 R26
FUS-E3124.0	4.0 mm	Per kg/2 kg tube	AWS A5.4 : E312-16	IS 5206 E29.9 R26

FUSION X ELECTRODE 316-16 STAINLESS STEEL



Fusion X 316-16 is a low-carbon, rutile-coated stainless steel electrode for corrosion-resistant welding on molybdenum-bearing steels.

- Designed for corrosion-resistant welding on molybdenum-bearing stainless steels
- Produces clean, smooth welds with low spatter and easy slag removal
- Suitable for joining 316, 316L and related 300-series stainless steels
- Molybdenum improves resistance to pitting and general corrosion



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION	APPROVALS
FUS-E316L2.6	2.6 mm	Per kg/2 kg tube	AWS A5.4 : E316L-16	ISO 3581-A – E 19 12 3 L R 3 2	DNV-GL/LR/TUV/DB
FUS-E316L3.2	3.2 mm	Per kg/2 kg tube	AWS A5.4 : E316L-16	ISO 3581-A – E 19 12 3 L R 3 2	DNV-GL/LR/TUV/DB
FUS-E316L4.0	4.0 mm	Per kg/2 kg tube	AWS A5.4 : E316L-16	ISO 3581-A – E 19 12 3 L R 3 2	DNV-GL/LR/TUV/DB

FUSION X ELECTRODE CAST IRON CI ENiFe 55



Fusion X Cast Iron 55 is a graphite-coated nickel-iron electrode for reliable joining and repair of a wide range of cast irons.

- Suitable for grey, malleable and nodular cast iron, including high-phosphorous grades
- Produces strong, crack-resistant welds on restrained or thick castings
- Delivers smooth arc performance with controlled penetration
- Ideal for repairing housings, gear boxes, engine blocks and pump bodies



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION
FUS-ENIFE552.5	2.5 mm	Per kg/1 kg tube	AWS A5.15 ENiFe-CI
FUS-ENIFE553.2	3.2 mm	Per kg/1 kg tube	AWS A5.15 ENiFe-CI
FUS-ENIFE554.0	4.0 mm	Per kg/1 kg tube	AWS A5.15 ENiFe-CI

FUSION X ELECTRODE CAST IRON CI ENi 99



Fusion X Cast Iron 99 is a nickel-core, graphite-coated electrode designed for machinable welds on all common cast iron materials.

- Produces machinable welds with minimal penetration and low spatter
- Requires no pre-heating for most cast iron repairs
- Suitable for cylinder heads, engine blocks, pump casings and cast components
- Ideal for building up corrosion-resistant nickel surfaces on cast iron



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION
FUS-ENI992.5	2.5 mm	Per kg/1 kg tube	AWS A5.15 ENi-CI
FUS-ENI993.2	3.2 mm	Per kg/1 kg tube	AWS A5.15 ENi-CI
FUS-ENI994.0	4.0 mm	Per kg/1 kg tube	AWS A5.15 ENi-CI

FUSION-X ELECTRODE HARD FACING H35 & H60



Fusion X Hard Facing H35 and H60 are durable, crack-resistant electrodes designed for wear protection and long-lasting build-up layers.

- Produces abrasion-resistant weld deposits for extended component life
- Performs well under moderate impact and high-wear conditions
- Suitable for rebuilding crusher jaws, conveyor parts, hammer surfaces and bucket lips
- Ideal for renewing gears, forging dies, plough shares and other high-wear edges



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION
FUS-H35R3.2	3.2 mm	Per kg/5 kg box	AWS A5.13
FUS-H35R4.0	4.0 mm	Per kg/5 kg box	AWS A5.13
FUS-H60R3.2	3.2 mm	Per kg/5 kg box	AWS A5.13
FUS-H60R4.0	4.0 mm	Per kg/5 kg box	AWS A5.13

FUSION X MIG WIRE ER70S6 MILD STEEL



PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	APPROVALS
FUS-ER70S60.8-5	0.8 mm 5kg	Per kg/5 kg spool	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-ER70S6.08	0.8 mm	Per kg/15 kg spool	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-ER70S60.9	0.9 mm	Per kg/15 kg spool	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-ER70S61.0	1.0 mm	Per kg/15 kg spool	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-ER70S61.2	1.2 mm	Per kg/15 kg spool	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-ER70S61.0B	1.0 mm 250kg bulk drum	Per kg/250 kg drum	AWS A5.18 ER70S-6	CCS. LR. ABS. DNV. NK. BKI. CWB. CE/TUV/DB
FUS-ER70S61.2B	1.2 mm 250kg bulk drum	Per kg/250 kg drum	AWS A5.18 ER70S-6	CCS. LR. ABS. DNV. NK. BKI. CWB. CE/TUV/DB

FUSION X MIG WIRE ER100S-G HIGH TENSILE

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION
FUS-ER100SG1.2	1.2 mm	Per kg/15 kg spool	AWS A5.18 ER100S-G



FUSION X MIG WIRE STAINLESS STEEL 308LSI

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-ER308LSI0.8	0.8 mm	Per kg/15 kg spool	AWS 5.9 ER308LSI	EN ISO 14343-A G 19.9LSi
FUS-ER308LSI0.9	0.9 mm	Per kg/15 kg spool	AWS 5.9 ER308LSI	EN ISO 14343-A G 19.9LSi
FUS-ER308LSI1.0	1.0 mm	Per kg/15 kg spool	AWS 5.9 ER308LSI	EN ISO 14343-A G 19.9LSi
FUS-ER308LSI1.2	1.2 mm	Per kg/15 kg spool	AWS 5.9 ER308LSI	EN ISO 14343-A G 19.9LSi



FUSION X MIG WIRE STAINLESS STEEL 309LSI

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-ER309LSI0.8	0.8 mm	Per kg/15 kg spool	AWS 5.9 ER309LSI	EN ISO 14343-A G 23 12 Lsi
FUS-ER309LSI0.9	0.9 mm	Per kg/15 kg spool	AWS 5.9 ER309LSI	EN ISO 14343-A G 23 12 Lsi
FUS-ER309LSI1.0	1.0 mm	Per kg/15 kg spool	AWS 5.9 ER309LSI	EN ISO 14343-A G 23 12 Lsi
FUS-ER309LSI1.2	1.2 mm	Per kg/15 kg spool	AWS 5.9 ER309LSI	EN ISO 14343-A G 23 12 Lsi



FUSION X MIG WIRE STAINLESS STEEL 316LSI

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-ER316LSI0.8	0.8 mm	Per kg/15 kg spool	AWS 5.9 ER316LSI	EN ISO 14343-A G 19 12 3 Lsi
FUS-ER316LSI0.9	0.9 mm	Per kg/15 kg spool	AWS 5.9 ER316LSI	EN ISO 14343-A G 19 12 3 Lsi
FUS-ER316LSI1.0	1.0 mm	Per kg/15 kg spool	AWS 5.9 ER316LSI	EN ISO 14343-A G 19 12 3 Lsi
FUS-ER316LSI1.2	1.2 mm	Per kg/15 kg spool	AWS 5.9 ER316LSI	EN ISO 14343-A G 19 12 3 Lsi



FUSION X MIG WIRE ALUMINIUM E4043

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-E40431.0	1.0 mm	Per kg/7 kg spool	AWS 5.10 ER4043	ISO 18273-S Al 4043
FUS-ER40431.2	1.2 mm	Per kg/7 kg spool	AWS 5.10 ER4043	ISO 18273-S Al 4043



FUSION X MIG WIRE ALUMINIUM E5356

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-ER53561.0	1.0 mm	Per kg/7 kg spool	AWS 5.10 ER5356	ISO 18273-S Al 5356
FUS-ER53561.2	1.2 mm	Per kg/7 kg spool	AWS 5.10 ER5356	ISO 18273-S Al 5356



FUSION X FLUX CORE MIG WIRE E71T1-C

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-E71T11.2	1.2 mm	Per kg/15 kg spool	AWS A5.20 : E71T1-C	ISO 17632-A – T 42 2 P C11 H10
FUS-E71T11.6	1.6 mm	Per kg/15 kg spool	AWS A5.20 : E71T1-C	ISO 17632-A – T 42 2 P C11 H10



APPROVALS

ABS,BV, NK, CCS, DNV.GL, CWB, LR
ABS,BV, NK, CCS, DNV.GL, CWB, LR

FUSION X FLUX CORE GASLESS MIG WIRE 71-11

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION
FUS-E71T110.9-1	0.9 mm	Per kg/1 kg spool	AWS A5.20 E71T-11
FUS-E71T110.9-5	0.9 mm	Per kg/1 kg spool	AWS A5.20 E71T-11
FUS-E71T111.2	1.2 mm	Per kg/1 kg spool	AWS A5.20 E71T-11



FUSION X TIG FILLER WIRE ER70S6

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	APPROVALS
FUS-TER70S61.6	1.6 mm	Per kg/5 kg tube	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-TER70S62.0	2.0 mm	Per kg/5 kg tube	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-TER70S62.4	2.4 mm	Per kg/5 kg tube	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB
FUS-TER70S63.2	3.2 mm	Per kg/5 kg tube	AWS A5.18 ER70S-6	CCS/LR/ABS/RINA/CWB/CE/DNV/DB



FUSION X COPPER COATED RODS R45

PART NO	SIZE	PACKAGING
FUS-CCR1.6	1.6 mm	Per kg/4 kg tube
FUS-CCR2.4	2.4 mm	Per kg/4 kg tube
FUS-CCR3.2	3.2 mm	Per kg/4 kg tube



FUSION X TIG FILLER WIRE STAINLESS STEEL ER308L

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-TER308L1.6	1.6 mm	Per kg/5 kg tube	AWS 5.9 ER308LSI	EN ISO 14343-A W 19.9LSi
FUS-TER308L2.4	2.4 mm	Per kg/5 kg tube	AWS 5.9 ER308LSI	EN ISO 14343-A W 19.9LSi



FUSION X TIG FILLER WIRE STAINLESS STEEL ER309L

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-TER309L1.6	1.6 mm	Per kg/5 kg tube	AWS 5.9 ER309LSI	EN ISO 14343-A W 23 12 Lsi
FUS-TER309L2.4	2.4 mm	Per kg/5 kg tube	AWS 5.9 ER309LSI	EN ISO 14343-A W 23 12 Lsi



FUSION X TIG FILLER WIRE STAINLESS STEEL ER316L

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-TER316L1.6	1.6 mm	Per kg/5 kg tube	AWS 5.9 ER316LSI	EN ISO 14343-A W 19 12 3 Lsi
FUS-TER316L2.4	2.4 mm	Per kg/5 kg tube	AWS 5.9 ER316LSI	EN ISO 14343-A W 19 12 3 Lsi
FUS-TER316L3.2	3.2 mm	Per kg/5 kg tube	AWS 5.9 ER316LSI	EN ISO 14343-A W 19 12 3 Lsi



FUSION X TIG FILLER WIRE ALUMINIUM ER4043

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-TER40431.6	1.6 mm	Per kg/5 kg tube	AWS 5.10 ER4043	ISO 18273-S Al 4043
FUS-TER40432.4	2.4 mm	Per kg/5 kg tube	AWS 5.10 ER4043	ISO 18273-S Al 4043
FUS-TER40433.2	3.2 mm	Per kg/5 kg tube	AWS 5.10 ER4043	ISO 18273-S Al 4043



FUSION X TIG FILLER WIRE ALUMINIUM ER5356

PART NO	SIZE	PACKAGING	AWS CLASSIFICATION	EN CLASSIFICATION
FUS-TER53561.6	1.6 mm	Per kg/5 kg tube	AWS 5.10 ER5356	ISO 18273-S Al 5356
FUS-TER53562.4	2.4 mm	Per kg/5 kg tube	AWS 5.10 ER5356	ISO 18273-S Al 5356
FUS-TER53563.2	3.2 mm	Per kg/5 kg tube	AWS 5.10 ER5356	ISO 18273-S Al 5356



FUSION X BRONZE BRAZING RODS BBR

PART NO	SIZE	PACKAGING
FUS-BBR1.6	1.6 mm	Per kg/10 kg tube
FUS-BBR2.4	2.4 mm	Per kg/10 kg tube
FUS-BBR3.2	3.2 mm	Per kg/10 kg tube



FUSION X FLUX COATED BRONZE BRAZING RODS BBR

PART NO	SIZE	PACKAGING
FUS-FCBR2.0	2.0 mm	Per kg/3 kg tube
FUS-FCBR3.0	3.0 mm	Per kg/3 kg tube



FUSION X COPPERBRAZ RODS

PART NO	SIZE	PACKAGING
FUS-BOAG2.0	0% AG 2.0 mm square	Per kg/1 kg box
FUS-BOAG3.0	0% AG 3.0 mm square	Per kg/1 kg box



FUSION X BARE SILVER SOLDER

PART NO	SIZE	PACKAGING
FUS-B20AG1.5	20% AG 1.5 mm	Per kg/1 kg box
FUS-B30AG1.5	30% AG 1.5 mm	Per kg/1 kg box



FUSION X FLUX COATED SILVER SOLDER

PART NO	SIZE	PACKAGING
FUS-FC20AG1.5	FC 20% AG 1.5 mm	Per kg/1 kg box
FUS-FC30AG1.5	FC 30% AG 1.5 mm	Per kg/1 kg box
FUS-FC40AG1.5	FC 40% AG 1.5 mm	Per kg/1 kg box



FUSION X FLUX BRAZING FLUXES

PART NO	SIZE	PACKAGING
WEL-FLUXB	500g	Per 500g container
WEL-FLUXS	250g	Per 250g container
WEL-FLUXA	250g	Per 250g container



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