Pinnacle

WELDING CATALOGUE 2024

The Total Welding Solution

WWW.PINNACLEWELD.CO.ZA

Pinnacle

★★★★★

The Welding, Safety and Power Company

Pinnacle

CHISA®

Pinnacle Welding and Safety founded in 2013.

The fastest growing welding and safety manufacture company in South Africa. Pinnacle provides overall welding, safety and power products, solutions, services, training, and technical support.

Headquartered in Johannesburg and branches in Durban and Cape Town as well as agencies throughout all main cities in South Africa and SADC. You can be sure to find us.

Pinnacle acquired Chisa Welding electrodes manufacturing plant in 2017, and has workwear factories in Durban, Johannesburg and Eswatini.

The Power product range consists of diesel generators, petrol generators and solar products.

The Welding and Safety product brands include PINNACLE, CHISA, RILAND and which combines superior quality and best values, most of the products conform to SABS, ISO9001, CE and EN Standards.

Pinnacle products are widely used in engineering, mining, ship building, agriculture, automotive, construction, petrochemical, DIY chain, food industries and many more.

Our Vision

To provide comprehensive integrated welding, safety & power products and turnkey solutions to all industries.

Your ONE STOP Welding, Safety & Power Company

Support | Affordability | Quality | Solutions | Wide Variety | Approved Standards

INDEX

Welding Machines ..... 04 - 57

- Riland Machines ..... 05 - 27
- Pinnacle Machines ..... 28 - 57

ARC Welding Electrodes ..... 58 - 65

ARC Welding Accessories ..... 66 - 76

MIG Welding Wire ..... 77 - 85

MIG Torch & Accessories ..... 86 - 92

TIG Welding Wire ..... 93 - 96

TIG Torch & Accessories ..... 97 - 100

Brazing Wire & Flux ..... 101 - 105

Gas Cutting & Welding ..... 106 - 116

Plasma Torch & Accessories ..... 117 - 123

Sub ARC Wire & Flux ..... 124 - 125

Abrasives ..... 126 - 127

DIY Retail Solutions ..... 128 - 135

Compressors & Tools ..... 136 - 141

FUN FACTS ABOUT WELDING

1. **When two pieces of metal touch in space they become instantly welded together.**
   Known as cold welding, bare or highly polished metals will weld themselves together immediately when the pieces touch in space. This occurs thanks to metallic bonds, which hold atoms together to create a single, solid piece of metal. Note: This cannot happen on earth.

2. **Astounding Welding Records**
   Both wet and dry welding methods can be performed under water. The current record for the deepest dry weld was set in 1990 at 327.6m deep. In order to complete a dry weld underwater, the area must be completely sealed off by a dry chamber where the weld is completed. The record for wet weld was set in 2005 by the U.S. Navy and is nearly twice as deep at 609.6m deep.

Welding Machines

RILAND

Pinnacle

RILAND MMA 160GDM

MMA/TIG Light Industrial Welding Machine

Item Code: 6-10RMMA01

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Optional Accessories:

- TIG Torch
- Fast Plug
- Wrench

Features:

- Full Digital Display.
- Built-in MCU with Adjustable VRD.
- Self-Adaptive Arc Force & Hot Start function, Anti-Sticking built-in.
- Fan as needed, reduce noise and dust inside the machine.
- Non-stop welding for 2.5-3.2mm electrodes.
- Suitable for acid and basic electrodes.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50/60Hz
Rated Input Current	A	MMA: 35.5A | TIG: 25.2A
Output Current Range	A	MMA: 10-160A | TIG: 10-160A
20-25% Output Current/Voltage/Duty Cycle	V	MMA: 160A/26.4V/20% | TIG: 160A/16.4V/25%
100% Output Current/Voltage/Duty Cycle	V	MMA: 90A/23.6V/100% | TIG: 100A/14V/100%
Electrode Size	mm	2.5-3.2mm
No Load Voltage	V	MMA: 61V | TIG: 16V
Dimensions	mm	288mm x 136mm x 234mm
Weight	kg	4,8kg

RILAND MMA 202GDM

MMA/TIG Light Industrial Welding Machine

Item Code: 6-10RMMA02

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Optional Accessories:

- TIG Torch
- Fast Plug
- Wrench

Features:

- Full Digital Display with selectable electrode type.
- Built-in MCU with Adjustable VRD.
- Self-Adaptive Arc Force & Adjustable Hot Start function, Anti-Sticking built-in.
- Fan as needed, reduce noise and dust inside the machine.
- Non-stop welding for 2.5-3.2mm electrodes.
- Suitable for acid and basic electrodes.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50/60Hz
Rated Input Current	A	MMA: 38.7A | TIG: 24.7A
Output Current Range	A	MMA: 40-190A | TIG: 10-190A
20-25% Output Current/Voltage/Duty Cycle	V	MMA: 190A/27.6V/20% | TIG: 190A/17.6V/25%
100% Output Current/Voltage/Duty Cycle	V	MMA: 95A/23.8V/100% | TIG: 95A/13.8V/100%
Electrode Size	mm	2.5-4mm
No Load Voltage	V	MMA: 64V/16V VRD | TIG: 64V/16V VRD
Dimensions	mm	288mm x 126mm x 234mm
Weight	kg	4,3kg

RILAND MMA 315G / 400G / 500G

MMA/Gouging Industrial Welding Machine

Item Code: 6-10RMMA03/6-10RMMA04/6-10RMMA05

Processes:

- MMA
- ARC Gouge

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Optional Accessories:

- Remote Control Box
- Fast Plug
- Wrench

Features:

- IGBT Technology.
- Adjustable VRD.
- Self-Adaptive Arc Force & Adjustable Hot Start function.
- Tri-proof duct design for improved airflow.
- Non-stop welding for 5mm electrodes.
- Suitable for acid, basic, and cellulosic electrodes.

Technical Data		315G	400G	500G
Rated Input Voltage	V		380V+- 15%	
Rated Frequency	Hz		50/60Hz	
Rated Input Current	A	17A	27.7A	36.2A
Output Current Range	A	40-280A	40-380A	40-480A
40% Output Current/Voltage/Duty Cycle	V	280A/31.2V/40%	380A/35.2V/40%	480A/39.2V/40%
100% Output Current/Voltage/Duty Cycle	V	180A/27.2V/100%	253A/30.1V/100%	304A/32.2V/100%
Electrode Size	mm		4-5mm	
No Load Voltage	V	65V	62V	68V
Dimensions	mm	426x212x357mm	485x234x425mm	515x262x468mm
Weight	kg	15kg	22kg	26kg

RILON ARC 400G

Made By Riland

MMA Inverter Welding Machine

Item Code: 6-10RARC01

Processes:

- MMA

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Features:

- Advance IGBT Technology.
- Arc Force, Anti Sticking & Hot-start (0-130A).
- VRD Function.
- Dust free cooling system.
- Wide range of input voltage 380V +-15%.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	27.6A
Output Current Range	A	40-400A
Duty Cycle (40'C)	%	60%
Power Factor		0.93
No Load Voltage	V	68V
Efficiency	%	85%
Electrode Size	mm	1.6 - 4.0mm
Insulation Class		F
Protection Class	IP	IP21

RILAND ARC 630I

MMA/Gouging Heavy Industrial Welding Machine

Item Code: 6-10RMMA06

Processes:

- MMA
- ARC Gouge

Package Includes:

- Inverter Power Source
- Electrode Clamp, 3m
- Earth Clamp, 3m

Optional Accessories:

- Remote Control Box
- Fast Plug
- Wrench

Features:

- IGBT Technology.
- Adjustable VRD.
- Self-Adaptive Arc Force & Adjustable Hot Start function.
- Tri-proof duct design for improved airflow.
- Heavy duty, non-stop working under 40 degree condition, welding for 5mm electrodes.
- Suitable for acid, basic, and cellulosic electrodes.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50/60Hz
Rated Input Current	A	53.1A
Output Current Range	A	50-630A
40% Output Current/Voltage/Duty Cycle	V	630A/44V/60%
100% Output Current/Voltage/Duty Cycle	V	488A/39.5V/100%
Electrode Size	mm	4-5mm
No Load Voltage	V	90V
Dimensions	mm	650x310x640mm
Weight	kg	22kg

RILAND MIG 180PGDM

MIG/MMA/TIG Digital Pulse Welding Machine

Item Code: 6-10RMIG01

Processes:

- MIG/MIX
- MIG/Ar Al
- Gas-less MIG
- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- MIG Torch, 1.8m
- Earth Clamp, 1.2m
- Hose Clamps & Hose, 3m

Optional Accessories:

- Electrode Clamp
- TIG Torch
- Welding Cart

Features:

- The smallest MIG machine with pulse in the world.
- Synergic, Voltage micro-adjustable, inductance adjustable, 2T/4T.
- Adjustable VRD, Hot Start and Arc Force function built-in & MCU Built-in
- Compatible with 5kg(200mm) wire spool.
- Fan as needed, reduce noise and dust inside the machine.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	MIG: 34A | TIG: 27.5A | MMA: 34A
Output Current Range	A	MIG: 50-180A | TIG: 15-180A | MMA: 15-160A
Output Current/Voltage Range/Duty Cycle 25%		MIG: 180A/23V | TIG:180A/17.2V | MMA: 160A-26.4V
Output Current/Voltage Range/Duty Cycle 100%		MIG: 90A/18.5V | TIG:100A/14V | MMA: 85A-23.4V
No Load Voltage	V	56V
Efficiency	%	80%
Wire Size	mm	0.8-1.0mm
Wire Feeder Type		Internal

RILAND MIG 190SYN

MIG/TIG/MMA Welding Machine

Item Code: 6-10RMIG01A

Processes:

- MIG
- Gas-less MIG
- LIFT TIG
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch, 1.8m
- Earth Clamp, 1.2m
- Hose Clamps & Hose, 3m

Features:

- IGBT inverter, equipped with exclusive RICHIP chip.
- 2T/4T Functionality.
- VRD, Hot Start and Arc Force function built-in.
- Compact and portable (8Kg) with handle
- Intelligent protection: over-current, over-voltage, over heating protection.
- Fan as needed, reduce noise and dust inside the machine.
- Compatible with 5kg(200mm) spool wire.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	MIG: 27A | TIG: 20A | MMA: 27.2A
Output Current Range	A	MIG: 40-160A | TIG: 10-160A | MMA: 20-140A
Output Voltage Range	V	MIG: 16-22V | TIG:10.4-16.4V | MMA: 20.8-25.6V
Duty Cycle (25'C)	%	60%
Power Factor		0.73
No Load Voltage	V	61V
Efficiency	%	80%
Wire Size	mm	0.8-1.0mm
Wire Feeder Type		Internal
Insulation Class		F
Protection Class	IP	IP21

RILON MIG 160E

Made By Riland

MIG/TIG/MMA Welding Machine

Item Code: 6-10RMIG01B

Processes:

- MIG
- LIFT TIG
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch, 1.8m
- Earth Clamp, 1.2m
- Hose Clamps & Hose, 3m

Features:

- IGBT inverter, equipped with exclusive RICHIP chip.
- Stable control & less spatter.
- Overload safety protection.
- Digital display.
- Compatible with 1kg(100mm) wire.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	MIG: 13.8A | MMA: 14.5A
Output Current Range	A	MIG: 30-120A | MMA: 30-80A
Output Voltage Range	V	MIG: 15.5-20V | MMA: 21.2-23.2V
Duty Cycle (25'C)	%	MIG: 60% @ 120A | MMA: 60% @ 80A
Power Factor		0.62
No Load Voltage	V	55V
Efficiency	%	82%
Wire Size	mm	0.8-1.0mm
Wire Feeder Type		Internal
Insulation Class		F
Protection Class	IP	IP21

RILAND MIG 250GS

MIG/MMA Industrial Welding Machine

Item Code: 6-10RMIG02

Processes:

- MIG
- Gas-less MIG
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch, 3m
- Earth Clamp, 3m
- Hose Clamps & Hose, 3m

Features:

- Advanced IGBT inverter device.
- Current, Voltage and Inductance Control for arc stability and spatter control.
- Wire inching built-in and Polarity change.
- Compatible with 15kg(300mm) wire.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	MIG: 50A | MMA: 47A
Output Current Range	A	MIG: 50-250A | MMA: 50-220A
Output Current/Voltage Range/Duty Cycle 35%		MIG: 250A/26.5 | MMA: 220A-28.8V
Output Current/Voltage Range/Duty Cycle 100%		MIG: 180A/23V | MMA: 160A/26.4V
No Load Voltage	V	56V
Wire Size	mm	0.8-1.6m
Wire Feeder Type		Internal
Dimensions	mm	615mm x 276mm x 760mm
Weight	kg	45kg

RILAND MIG 271CT

MIG/MMA Industrial Welding Machine

Item Code: 6-10RMIG02A

Processes:

- MIG
- Gas-less MIG
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch, 3m
- Earth Clamp, 3m
- Hose Clamps & Hose, 3m

Features:

- Advanced IGBT inverter device.
- Simple and intuitive interface allows precise adjustment.
- Inductance Control for arc stability and spatter control.
- Digital Meters - Voltage and Amperage.
- Intelligent protection: over-current, over-voltage, over heating protection.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	MIG: 47.6A | MMA: 44.5A
Output Current Range	A	MIG: 40-250A | MMA: 20-220A
Output Voltage Range	V	MIG: 16-26.5V | MMA: 20.8-28.8V
Duty Cycle (25'C)	%	60%
Power Factor		0.73
No Load Voltage	V	45V
Efficiency	%	80%
Wire Size	mm	0.8-1.2mm
Wire Feeder Type		Internal
Insulation Class		F
Protection Class	IP	IP21

RILAND MIG 350GF / 500GF

MIG/MMA Welding Machine

Item Code: 6-10RMIG03 | 6-10RMIG04

Processes:

- MIG
- Gas-less MIG
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch, 3m
- Earth Clamp, 3m
- Hose Clamps & Hose, 3m

Features:

- Advanced IGBT inverter device.
- Infinite Voltage Control with optimized starting performance.
- Inductance Control for arc stability and spatter control.
- Digital Meters - Voltage and Amperage.
- Intelligent protection: over-current, over-voltage, over heating protection.
- Wire Size and type selection, helping you match the welding parameters quickly.

Technical Data		350GF	500GF
Rated Input Voltage	V	380V+- 15%	
Rated Frequency	Hz	50 / 60	
Rated Input Current	A	MIG: 24A | MMA: 25.8A	MIG: 31.2A | MMA: 31.8A
Output Current Range	A	MIG: 60-350A | MMA: 40-350A	MIG: 60-450A | MMA: 60-450A
Output Voltage Range	V	MIG: 17-31.5V | MMA: 21.6-34V	MIG: 17-36.5V | MMA: 22.4-38V
Duty Cycle (25'C)	%	MIG: 60% | MMA: 60%	MIG: 60% | MMA: 60%
Power Factor		0.93	
No Load Voltage	V	61V	
Efficiency	%	85%	
Wire Size	mm	0.8-1.2mm	
Wire Feeder Type		Separated	
Insulation Class		F	
Protection Class	IP	IP21	

RILAND MIG 500F

MIG/MMA Heavy Industrial Welding Machine

Item Code: 6-10RMIG05

Processes:

- MIG
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch, 3m
- Earth Clamp, 3m
- Hose Clamps & Hose, 3m

Optional Accessories:

- Electrode Clamp
- TIG Torch
- Helmet

Features:

- Advanced IGBT inverter device.
- Current, Voltage and Inductance Control for arc stability and spatter control.
- 2T/4T Functionality.
- Wire type and diameter selectable.
- Bracket on side & friendly tool box.
- Wire inching on wire feeder.
- Compatible with 15kg(300mm) wire.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	MIG: 37.5A | MMA: 38.4A
Output Current Range	A	MIG: 80-500A | MMA: 50-500A
Output Current/Voltage Range/Duty Cycle 35%		MIG: 500A/39V | MMA: 500A-40V
Output Current/Voltage Range/Duty Cycle 100%		MIG: 315A/29.8V | MMA: 315A/32.6V
No Load Voltage	V	75V
Wire Size	mm	0.8-1.6m
Wire Feeder Type		External
Dimensions	mm	900mm x 260mm x 850mm
Weight	kg	78kg

RILAND TITANS 500DP

MIG/MMA Double Pulse Heavy Industrial Welding Machine

Item Code: 6-10RMIG06

Processes:

- MIG
- MMA
- LIFT TIG
- Gouging
- Synergic

Package Includes:

- Inverter Power Source
- MIG Torch, 3m
- Earth Clamp, 3m
- Hose Clamps & Hose, 3m

Optional Accessories:

- Electrode Clamp
- TIG Torch
- Extended Control Cable, 10m

Features:

- Automatic standby sleep function, reduce 30w loss.
- VRD, VRD open in MMA welding processing, the open current voltage is reduced to 8.5v (+- 10%).
- Low Voltage/high voltage auto protection (Range: 380-400-415V 460V, -15~+10%).
- Manual or automatic fan sleep mode.
- Anti stick function in MMA (it will turn on the short circuit time is greater than 0.3s).
- Phase-loss auto protect (If over 20s, it would display the code).
- Auto Protect for over-freq by power grid (when input power exceeds the 46-64Hz range, code will be displayed).

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Welding Current	A	20A/15V | 500A/40V
Main Power Insurance / 400V	A	35A
Duty Cycle 60%	A	500A
Duty Cycle 100%	A	400A
Open Circuit Voltage	V	92.2V
Wire Size	mm	1.0-1.6m
Wire Feeder Type		External
Dimensions	mm	740mm x 350mm x 430mm
Weight	kg	50kg

RILAND TIG 200CT

TIG/MMA Light Industrial Welding Machine

Item Code: 6-10RTIG01

Processes:

- DC TIG
- MMA

Package Includes:

- Inverter Power Source
- TIG Torch, 4m
- Earth Clamp, 3m
- Tungsten Electrode

Optional Accessories

- Electrode Clamp
- Welding Cart

Features:

- Post-gas adjustable
- The more that 99% success rate of arc striking.
- New technology to maximize thermal dissipation with 4 separate heat sinks.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	TIG: 26A | MMA: 31.2A
Output Current Range	A	TIG: 10-180A | MMA: 10-155A
Output Voltage Range	V	TIG:17.2-16.4V | MMA: 26.2-25.2V
Duty Cycle (25'C)	%	60%
No Load Voltage	V	58V/16.5V(VRD)
Dimensions	mm	402 x 160 x 300mm
Weight	kg	6.5kg

RILAND TIG 200PAC/DC GDM

TIG/MMA Light Industrial Welding Machine

Item Code: 6-10RTIG02

Processes:

- AC & DC TIG
- Pulse TIG
- MMA
- Remote Control

Package Includes:

- Inverter Power Source
- TIG Torch, 4m
- Earth Clamp, 3m
- Tungsten Electrode

Optional Accessories

- Electrode Clamp
- Welding Cart
- Foot Control Pedal

Features:

- MCU Built-in, 2T/4T/Spot welding.
- LED Digital display with Pre & Post-Gas adjustability.
- Up-slope and Down-slope adjustable.
- Pulse frequency and pulse width adjustable.
- AC balance and AC frequency adjustability.
- Arc-striking current and arc-extinction current adjustable. Base current adjustable.

Item Code
Foot Control - 6-10RTIG10

*Optional

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	TIG: 28A | MMA: 29.2A
Output Current Range	A	TIG: 15-190A | MMA: 30-160A
Output Current/Voltage/Duty Cycle 20%		TIG: 190A / 17.6V | MMA: 160A / 26.4V
Output Current/Voltage/Duty Cycle 100%		TIG: 85A / 13.4V | MMA: 72A / 22.9V
No Load Voltage	V	TIG: 59V | MMA: 59/20V(VRD)
Dimensions	mm	315 x 145 x 248mm
Weight	kg	6.5kg

RILAND TIG 250PAC/DC II

TIG/MMA Industrial Welding Machine

Item Code: 6-10RTIG03

Processes:

- AC & DC TIG
- Pulse TIG
- MMA
- Remote Control

Package Includes:

- Inverter Power Source
- TIG Torch, 4m
- Earth Clamp, 3m
- Tungsten Electrode

Features:

- AC/DC Selectable, 2T/4T.
- 2T/4T Functionality.
- Post-Gas adjustability.
- Down-slope adjustable.
- Pulse frequency and pulse width adjustable.
- AC balance adjustable.
- Arc-striking current and arc-extinction current adjustable.

Item Code
Foot Control - 6-10RTIG11

*Optional

220V AC/DC

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	TIG: 36.5A | MMA: 35.4A
Output Current Range	A	TIG: 10-210A | MMA: 10-160A
Output Current/Voltage/Duty Cycle 30-40%		TIG: 210A / 18.4V | MMA: 160A / 26.4V
Output Current/Voltage/Duty Cycle 100%		TIG: 150A / 16V | MMA: 120A / 24.8V
No Load Voltage	V	TIG: 96V(AC)/68V(DC) | MMA: 60V
Dimensions	mm	476 x 340 x 402mm
Weight	kg	20kg

RILAND TIG 315PAC/DC

TIG/MMA Industrial Welding Machine

Item Code: 6-10RTIG04

Processes:

- AC & DC TIG
- Pulse TIG
- MMA
- Remote Control

Package Includes:

- Inverter Power Source
- TIG Torch, 4m
- Earth Clamp, 3m
- Tungsten Electrode

Features:

- AC/DC Selectable, 2T/4T.
- 2T/4T Functionality.
- Post-Gas adjustability.
- Down-slope adjustable.
- Pulse frequency and pulse width adjustable.
- AC balance adjustable.
- Arc-striking current and arc-extinction current adjustable.

Item Code
Foot Control - 6-10RTIG11

*Optional

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	TIG: 17.2A | MMA: 15.5A
Output Current Range	A	TIG: 12-300A | MMA: 15-240A
Output Current/Voltage/Duty Cycle 20-60%		TIG: 300A / 22V | MMA: 240A / 29.6V
Output Current/Voltage/Duty Cycle 100%		TIG: 230A / 19.2V | MMA: 220A / 28.8V
No Load Voltage	V	62V
Dimensions	mm	609 x 332 x 622mm
Weight	kg	38kg

RILAND CUT 40CT

Light Industrial Plasma Cutting Machine

Item Code: 6-10RCUT01

Processes:

- Plasma Cutting

Package Includes:

- Inverter Power Source
- Cutting Torch, 3m
- Earth Clamp, 3m
- Air Filter & Hose, 3m

Features:

- Smooth and neat cutting surface.
- Easy arc ignition with high frequency.
- Clean cut up to 6mm thickness carbon steel, recommend for 10mm thickness carbon steel.
- Post-gas adjustable.
- New technology to maximizing thermal dissipation with 4 separate heat sinks.
- Over-voltage protection mode, overheating.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	30A @ 40A
Output Current Range	A	15-40A
Output Voltage Range	V	92V - 96V
Duty Cycle (25'C)	%	60%
Weight	kg	7kg
No Load Voltage	V	275V

RILAND CUT 60CT

Industrial CNC/Plasma Cutting Machine

Item Code: 6-10RCUT02

Processes:

- Plasma Cutting
- CNC

Package Includes:

- Inverter Power Source
- Plasma Cutting Torch, 3m
- Earth Clamp, 3m
- Hose, 3m

Features:

- Smooth and neat cutting surface.
- Easy arc ignition with high frequency.
- Quality cut up to 10mm thickness carbon steel, max cut up to 16mm thickness carbon steel.
- Can be connected to CNC automatic device.
- Post-flow adjustable.
- New technology to maximizing thermal dissipation with 4 separate heat sinks.
- Over-voltage protection mode, overheating.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	40.9A
Output Current Range	A	20-60A
Output Voltage Range	V	96V - 104V
Duty Cycle (40'C)	%	40%
Power Factor		0.85
No Load Voltage	V	300V

RILAND CUT 80GT / 100GT

Industrial CNC/Plasma Cutting Machine

Item Code: 6-10RCUT03 | 6-10RCUT04

Processes:

- Plasma Cutting
- CNC

Package Includes:

- Inverter Power Source
- Plasma Cutting Torch, 3m
- Earth Clamp, 3m
- Air Filter & Hose, 3m

Features:

- Smooth and neat cutting surface.
- Easy arc ignition with high frequency.
- Quality cut up to 10/15/20mm thickness carbon steel, max cut up to 16/25/30mm thickness carbon steel.
- Can be connected to CNC automatic device.
- Post-flow adjustable.
- Gas purge & Gas pressure meter.
- 2T/4T Functionality.

380V IGBT

Technical Data		CUT80GT	CUT100GT
Rated Input Voltage	V	380V+- 15%	
Rated Frequency	Hz	50 / 60	
Rated Input Current	A	17.6A	23A
Output Current Range	A	20-80A	20-100A
Output Voltage Range	V	98.4V - 112V	106V - 120V
Duty Cycle (25'C)	%	60%	
Weight	kg	21.7kg	25.6kg
No Load Voltage	V	300V	

RILAND CUT 100NA

Industrial CNC/Plasma Cutting Machine

Item Code: 6-10RCUT04A

Processes:

- Plasma Cutting
- CNC
- MMA

Package Includes:

- Inverter Power Source
- Cutting Torch, 10m
- Earth Clamp, 3m

Optional Accessories

- Electrode Holder, 3m
- Air Filter
- Hose, 3m

Features:

- Built-in Compressor.
- CUT and MMA dual function.
- Clean cut up to 20mm thickness carbon steel, max cut up to 35mm thickness carbon steel.
- 2T/4T Functionality. Gas purge & Gas pressure meter.
- Post-flow adjustable.
- Easy arc ignition with HF cutting.
- Smooth and neat cutting surface.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	CUT: 23A @ 100A | MMA: 17.3A @ 280A
Output Current Range	A	CUT: 25-100A | MMA: 100-280A
Output Voltage Range	V	CUT: 108-120V | MMA: 27.2-31.2V
Duty Cycle (25'C)	%	60%
Weight	kg	55.5kg
No Load Voltage	V	CUT: 270V | MMA: 67V

RILAND CUT 165I

Heavy Industrial Plasma Cutting Machine

Item Code: 6-10RCUT05

Processes:

- Plasma Cutting
- CNC

Package Includes:

- Inverter Power Source
- Plasma Cutting Gun
- Cool Clamp Set

Features:

- Machines that use high frequency IGBT technology.
- Easy arc priming, little noise, stable cutting current.
- Cutting thickness up to 45mm clean cutting
  cutting to 35mm, especially with Plasma Gouge trenching feature.
- Can be connected to CNC automatic device.
- Advanced cutting control technology meets different requirements and significantly improves cutting performance.
- 2T/4T mode, gas test, retrofitting the air shortage feature.
- Over-voltage protection mode, overheating, there is also a warning when the pneumatic pressure is insufficient.

380V IGBT

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	49A
Output Current Range	A	Cutting: 40-160A | Gouging: 50-160A
Output Voltage Range	V	Cutting: 144V | Gouging: 164V
Duty Cycle (40'C)	%	60%
Power Factor		0.93
No Load Voltage	V	370V
Efficiency	%	89%
Arcing Way		HF
Pressure of Air Compressor	Kgf/cm2	4-5.5
Insulation Class		F
Protection Class	IP	IP21

RILAND MZ 1250CV

Heavy Industrial Welding Machine

Item Code: 6-10RSUM01

Processes:

- CC SAW & CV SAW
- Arc Gouge
- MMA

Optional Accessories

- Arc Gouge Torch
- Helmet

Package Includes:

- Inverter Power Source
- Track
- Welding Cable, 10m
- Earth Clamp, 6m
- Control Cable, 10m
- Welding Carriage/Tractor

Features:

- Equip auto start interface to special machine.
- Analog keys and rotary knobs for convenient operation.
- Intelligent energy-saving mode after machine stops working for more than 5 minutes.
- Unique control circuit to balance two side`s output current and voltage.
- Contact pad stop functions to stop auto wire feeding when arrive at designation position.
- Inrush current limited at reasonable and security standard. Tri-proof air duct design.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input Current	A	130A
Output Current Range	A	SAW: 125-1250A | MMA: 125-1250A | Gouging: 125-1250A
Output Voltage Range	V	SAW: 44V | MMA: 44V | Gouging: 44V
Duty Cycle (40'C)	%	40%
No Load Voltage	V	90V
Dimensions	mm	760x380x800mm
Weight	kg	85kg

PRIMIARC 201VRD

MMA/TIG Industrial Welding Machine

Item Code: 6-100105

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Features:

- Advance IGBT module technology.
- Industrial graded, light & compact.
- Preset Arc Force, Hot Start & Anti-stick device.
- Auto resistant to voltage fluctuation.
- VRD Function.
- Suitable for welding of carbon steel, stainless steel, copper & alloy steel electrodes.

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	65V (VRD Off)
Rated Input Current	A	38A
Output Welding Current Range	A	20-200A
Rated Duty Cycle (25'C)	%	100%
Electrode Size	mm	2.5-4mm
Dimensions	mm	360 x 160 x 212mm
Weight	kg	9kg

PROARC 200CP

MMA/LIFT TIG Welding Machine

Item Code: 6-PROA01

Processes:

- MMA / PULSE MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Features:

- IGBT Module Technology.
- LCD Display & Synergic operation.
- Hot Start, Anti-Stick, Arc Force & VRD Function.
- Suitable for acidic, alkaline, aluminum, cellulose electrodes (2.5 - 4.0mm).
- Automatic spot welding can be realized by the automatically starting and ending arc according to the set interval time.

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	93V
Rated Input Current	A	40A
Output Welding Current Range	A	10-200A (MIG/TIG)
Rated Duty Cycle (25'C)	%	60%
Efficiency	n	80%
Power Factor	Cosφ	0.83
Insulation Class		H
Protection Class	IP	IP21S

PROARC 250D

MMA Welding Machine (220V/380V)

Item Code: 6-PROA02

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Features:

- IGBT Module Technology.
- Generator friendly.
- Hot Start, Anti-Stick and Arc Force built-in.
- Super wide input voltage range AC150V-510V welder can identify the power grid automatically.
- With over-current, over-heat, low voltage and fault protection.

Technical Data		
Rated Input Voltage	V	220V / 380V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	76V / 65V
Rated Input Current	A	17.4A / 10.1A
Output Welding Current Range	A	30-250A
Rated Duty Cycle (25'C)	%	60%
Efficiency	n	80%
Power Factor	Cosφ	0.73
Insulation Class		F
Protection Class	IP	IP21S

PROARC 280D

MMA Welding Machine

Item Code: 6-PROA021

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Features:

- IGBT Module Technology.
- Digital Display.
- Hot Start and Arc Force built-in.
- With over-heat protection..

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	60V
Rated Input Power	KW	8.8KW
Output Welding Current Range	A	20-220A
Rated Duty Cycle (25'C)	%	60%
Efficiency	n	85%
Electrode Size	mm	1.6 - 5.0mm
Weight	kg	8.8kg
Protection Class	IP	IP21S

PROARC 400I DUAL

MMA Welding Machine (380V/525V)

Item Code: 6-PROA04

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Features:

- IGBT Module Technology.
- Welding cable can be extended to 100m.
- Input with filtering, anti-power grid fluctuation.
- Output with charged reactance makes stable welding current.
- Hot start and Arc force adjustable.
- With over-current, over-heat, low voltage and fault protection.
- Dual Voltage 380V/525V.

Technical Data		
Rated Input Voltage	V	380V/525V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	65V
Rated Input Current	A	18A
Output Welding Current Range	A	40-320A
Rated Duty Cycle (25'C)	%	60%
Efficiency	n	85%
Power Factor	Cosφ	0.93
Insulation Class		H
Protection Class	IP	IP21S

PROARC 400I / 500I / 630I

MMA Welding Machine

Item Code: 6-PROA03 | 6-PROA05 | 6-PROA06

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- Electrode Clamp, 1.8m
- Earth Clamp, 1.2m

Features:

- IGBT Module Technology.
- Welding cable can be extended to 100m.
- Input with filtering, anti-power grid fluctuation.
- Output with charged reactance makes stable welding current.
- Hot start and Arc force adjustable.
- With over-current, over-heat, low voltage and fault protection.

Technical Data		400I	500I	630I
Rated Input Voltage	V		380V +- 15%	
Rated Frequency	Hz		50 / 60	
Output No-Load Voltage	V	65V	72V	75V
Rated Input Current	A	18A	22A	39A
Output Welding Current Range	A	40-320A	40-400A	40-500A
Rated Duty Cycle (25'C)	%		60%	
Efficiency	n		85%	
Power Factor	Cosφ		0.93	
Insulation Class			H	
Protection Class	IP		IP21S	

PROCUT 40ET

Air Plasma Cutting Machine

Item Code: 6-PROC01

Processes:

- CUT

Package Includes:

- Inverter Power Source
- Plasma Cutting Torch
- Earth Clamp

Features:

- IGBT plasma cutter.
- High frequency arc start.
- Recommended cutting thickness 8-15mm.
- Ultra-wide input voltage range 160-260V.
- Common steel plate, stainless steel, low alloy steel.

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Rated Input Power	KV	5.8
Output No-Load Voltage	V	270V
Rated Input Current	A	25.2A
Cutting Current Range	A	15-40A
Rated Duty Cycle (25'C)	%	60%
Efficiency	n	75%
Power Factor	Cosφ	0.85
Post Gas Time	s	7-10s
Cutting Thickness	mm	0.1-8mm (MAX 15mm)
Insulation Class		H
Protection Class	IP	IP21S

PROCUT 60DW

Air Plasma Cutting Machine (220V/380V)

Item Code: 6-PROC01A

Processes:

- CUT

Package Includes:

- Inverter Power Source
- Plasma Cutting Torch
- Earth Clamp

Features:

- IGBT Full Bridge.
- Dual Voltage 220V / 380V.
- Fault code alarm display.
- Post gas adjustment.
- Quality cutting thickness 10mm.
- Quality piercing thickness 20mm.
- Over-current, over heat, low voltage protection.

Technical Data		
Rated Input Voltage	V	220V/380V +- 15%
Rated Frequency	Hz	50 / 60
Rated Input Power	KV	9kVA
Output No-Load Voltage	V	270V
Cutting Current Range	A	30-60A
Rated Duty Cycle (25'C)	%	60%
Gas		Compressed Air
Power Factor	Cosφ	0.93
Cutting Thickness	mm	10-20mm
Insulation Class		H
Protection Class	IP	IP21S

PROCUT 80IR / 100IR

Air Plasma Cutting Machine

Item Code: 6-PROC02 | 6-PROC03

Processes:

- CUT
- CNC

Package Includes:

- Inverter Power Source
- Plasma Cutting Torch
- Earth Clamp

Features:

- IGBT Full Bridge.
- Could equip with CNC interface.
- Fault code alarm display.
- Post gas adjustment.
- Quality cutting thickness 30mm.
- Quality piercing thickness 25mm.
- Over-current, over heat, low voltage protection.

Technical Data		80IR	100IR
Rated Input Voltage	V	380V +- 15%	
Rated Frequency	Hz	50 / 60	
Rated Input Power	KV	13.2	14
Output No-Load Voltage	V	320V	
Cutting Current Range	A	30-80A	30-100A
Rated Duty Cycle	%	60% (40°)	
Efficiency	n	85%	
Power Factor	Cosφ	0.93	
Cutting Thickness	mm	10-20mm	15-30mm
Insulation Class		H	
Protection Class	IP	IP21S	

PROMIG 200PET

MIG/MMA/LIFT TIG PULSE Welding Machine

Item Code: 6-PROM01

Processes:

- PULSE MIG
- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- MIG Torch
- Earth Clamp

Features:

- IGBT Module Technology.
- Good effect welding, less spatter, suitable for thin plate welding.
- Available for 0.6/0.8/1.0mm 1-5kg Flux cored and solid wire welding.
- Single pulse available for 1.0mm 1-5kg AL-Mg welding wire.
- MMA Available for 1-5mm welding electrodes.

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	7.7V
Rated Input Current	A	35A
PMIG Welding Current Range	A	20-170A
MIG Welding Current Range	A	50-200A
MMA/TIG Welding Current Range	A	20-200A
Rated Duty Cycle (25'C)	%	60%
Efficiency	n	85%
Power Factor	Cosφ	0.75
Post Gas Time	s	0.2s
Recommended Wire Size	mm	0.8-8mm
Insulation Class		H
Protection Class	IP	IP21S

PROMIG 250ET

MIG/MMA/LIFT TIG Welding Machine

Item Code: 6-PROM01A

Processes:

- MIG
- MMA
- LIFT TIG
- Flux Cored

Package Includes:

- Inverter Power Source
- MIG Torch
- Earth Clamp

Features:

- IGBT Module Technology.
- Synergic operation.
- 2T/4T/S4T wire feeding.
- Wire dimension select.
- Ordinary low carbon steel.
- 15KG Welding load.

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	12-32V
Rated Input Current	A	14A
Welding Current Range	A	40-250A
Rated Duty Cycle	%	60%
Efficiency	n	85%
Power Factor	Cosφ	0.93
Wire Size	mm	0.8-1.2mm
Insulation Class		H
Protection Class	IP	IP21S

PROMIG 325C

MIG/MMA Synergic Welding Machine

Item Code: 6-PROM021

Processes:

- MIG
- Flux Cored
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch
- Earth Clamp

Features:

- Syn-Digital inverter welding technology.
- VRD & 2T/4T/S4T Function.
- Good effective welding & less spatter.
- Fully digital control system.
- Hot Start, Anti-Stick and Arc Force built in.
- Over-current, over-heat, low voltage and fault protection.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input power	KV	9.2KV
Rated Input Current	A	40A
Output Voltage Range	V	15-28V
Output Current Range	A	50-300A
Rated Duty Cycle	%	60%
Efficiency	%	85%
Wire Feeder		Internal
Wire Size	mm	0.8-1.2mm
Insulation Class		F
Protection Class	IP	IP21

PROMIG 350I / 500I

MIG/MMA Digital Welding Machine

Item Code: 6-PROM03 | 6-PROM04

Processes:

- MIG
- Gasless MIG
- MMA

Package Includes:

- Inverter power source
- Torch
- Earth cable

Features:

- IGBT Full Bridge Module Technology.
- High-speed welding for almost no spatter.
- Precise waveform control using (UWC algorithm).
- Fully digital control system.
- Friendly man-machine interface.
- Automatic welding port (supporting robots).

Technical Data		350I	500I
Rated Input Voltage	V	380V+- 15%	
Rated Frequency	Hz	50 / 60	
Rated Input power	KV	14KV	24KV
Rated Input Current	A	23A	40A
Input Voltage Range	V	12-40V	12-50V
Output Current Range	A	40-350A	50-500A
Rated Duty Cycle	%	350A/31.5V - 100%	500A/39V - 100%
No Load Voltage	V	70V	80V
Gas Flow	L/min	15 ~ 20	15 ~ 20
Wire Size	mm	0.8-1.2mm	0.8-1.6mm
Insulation Class		H	
Protection Class	IP	IP21S	

PROMIG 500HP

MIG/MMA PULSE Welding Machine

Item Code: 6-PROM05

Processes:

- MIG
- MMA
- Flux Cored

Package Includes:

- Inverter power source
- MIG Torch
- Earth Cable

Features:

- IGBT Full Bridge Module Technology.
- Digital pulse, welding low spatter.
- Single Pulse welding.
- Output charged reactance, stable welding current.
- Ordinary low carbon steel.
- Industrial machine.
- Suitable for welding aluminum.

Technical Data		
Rated Input Voltage	V	380V +- 15%
Rated Frequency	Hz	50 / 60
Rated Input power	KV	24KV
Rated Input Current	A	25A
Output Voltage Range	V	12-50V
Output Current Range	A	40-500A
Rated Duty Cycle	%	100%
Efficiency	n	85%
Power Factor	Cosφ	0.93
Wire Size	mm	1.0-1.6mm
Insulation Class		H
Protection Class	IP	IP21S

PROMIG 500HP DUAL

MIG/MMA PULSE Welding Machine 380V/525V

Item Code: 6-PROM06

Processes:

- MIG
- MMA
- Flux Cored

Package Includes:

- Inverter power source
- MIG Torch
- Earth Cable

Features:

- IGBT Full Bridge Module Technology.
- Digital pulse, welding low spatter.
- Single Pulse Welding.
- Output charged reactance, stable welding current.
- Dual Voltage 380V / 525V

Technical Data		
Rated Input Voltage	V	380V/525V +- 15%
Rated Frequency	Hz	50 / 60
Rated Input power	KV	24KV
Rated Input Current	A	25A
Output Voltage Range	V	12-50V
Output Current Range	A	40-500A
Rated Duty Cycle	%	100%
Efficiency	n	85%
Power Factor	Cosφ	0.93
Wire Size	mm	1.0-1.6mm
Insulation Class		H
Protection Class	IP	IP21S

SUPER DP500

MIG/MMA DOUBLE PULSE Welding Machine

Item Code: 6-PROM07

Processes:

- MIG
- Flux Cored
- MMA

Package Includes:

- Inverter power source
- Torch
- Earth cable

Features:

- IGBT Full Bridge Module Technology.
- HC High-speed double pulse welding for almost no spatter.
- Generator Safe
- Fully digital control system.
- Friendly human-machine interface.
- Automatic welding port (supporting robots).
- Double Pulse Welding.

Technical Data		
Rated Input Voltage	V	380V+- 15%
Rated Frequency	Hz	50 / 60
Rated Input power	KV	24KV
Rated Input Current	A	36A
Input Voltage Range	V	12-50V
Output Current Range	A	50-500A
Rated Duty Cycle	%	500A/39V - 100%
No Load Voltage	V	97V
Gas Flow	L/min	15 ~ 20
Wire Size	mm	0.8-1.6mm
Cooling Type		Air Cooling / Water Cooling
Insulation Class		H
Protection Class	IP	IP23S

PROTIG 180

TIG/MMA Welding Machine

Item Code: 6-PROT01

Processes:

- TIG
- MMA

Package Includes:

- Inverter power source
- 3m WP-17 Split TIG Torch
- Earth Clamp & Cable

Features:

- IGBT Module Technology.
- Providing constant current characteristics to make welding more stable.
- Over heat protection.
- Digital display making adjustment easy.
- Small, light weight and compact design.

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	62V
Rated Input Current	A	30A
Welding Current Range	A	MMA 10-160A | TIG 10-180A
Rated Duty Cycle	%	50% @ 25'C
Efficiency	n	75%
Power Factor	Cosφ	0.85
Insulation Class		H
Protection Class	IP	IP21S
Weight	kg	3.7kg
Dimensions	mm	340 x 115 x 220mm

PROTIG 200P

PULSE TIG/MMA Welding Machine

Item Code: 6-PROT011

Processes:

- TIG
- MMA

Package Includes:

- Inverter power source
- Electrode Holder & Cable | TIG Torch
- Earth Clamp & Cable

Features:

- IGBT Module Technology along with MCU Technology.
- Full range of Pulse features and cleaning control.
- VRD & 2T/4T Function.
- Over current, Over heat, Under voltage protection.
- Professional parameters adjustable.
- Could be equipped with foot pedal.

Technical Data		
Rated Input Voltage	V	220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	12V (W/ VRD) | 60V (W/O VRD)
Rated Input Current	A	35A
Welding Current Range	A	MMA 20-160A | TIG 100-200A
Rated Duty Cycle	%	60%
Efficiency	n	85%
Power Factor	Cosφ	0.85
Insulation Class		F
Protection Class	IP	IP21S
Arc Strike Way	HF	HF
Electrode Size	mm	1.6-4.0mm
TIG Electrode Size	mm	1.0-3.2mm

PROTIG 200P / 315P AC/DC

AC/DC PULSE TIG/MMA Welding Machine

Item Code: 6-PROT02 | 6-PROT03

Processes:

- TIG
- MMA

Package Includes:

- Inverter power source
- TIG Torch
- Earth cable

Features:

- IGBT Module Technology.
- Current preset function, post gas adjustable.
- Build-in Hot start, ARC force function.
- Over current, Over heat, Under voltage protection.
- Professional parameters adjustable.
- Could be equipped with foot pedal.

Technical Data		200P	315P
Rated Input Voltage	V	220V +- 15%	380V +- 15%
Rated Frequency	Hz	50 / 60	
Output No-Load Voltage	V	68V	67.5V
Rated Input Current	A	28A	13.6A
Welding Current Range	A	5-200A	5-315A
Rated Duty Cycle	%	60%	
Efficiency	n	80%	85%
Power Factor	Cosφ	0.73	0.93
Insulation Class		H	
Protection Class	IP	IP21S	
Arc Strike Way	HF	HF	
Electrode Size	mm	1.6-4.0mm	1.6-5.0mm

MIGARC 200

Digital Synergic MIG/MMA Welding Machine

Item Code: 6-1001191

Processes:

- MIG
- MIG/Gasless
- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- MB15 Torch
- Earth Cable, 2m

Features:

- Single phase, portable, fan-cooled digital inverter welding machine.
- Microprocessor operation panel which brings much more simple & precise control & performance.
- Much compact design with light weight but higher duty cycle.
- With Synergic control which ensures a much simple & smart welding operation.
- Programmable 9 welding models in memory for easy welding setting.

220V synergic

Technical Data		MIG	MMA	LIFT TIG
Rated Input Voltage	V		AC 220V +- 15%	
Rated Frequency	Hz		50 /60	
Output No-Load Voltage	V		52	
Rated Input Current	A	27	24.5	15
Welding Current Range	A	20-200A	20-160A	20-160A
Rated Duty Cycle	%		60% @40'C	
Rated Input Power Capacity	KVA	6	5.4	3.3
Welding Wire Size	mm	0.6-1.0		
Welding Electrode Size	mm		2.0-3.2	1.6-2.0
Weight	KG		13	
Dimension	mm		525 x 380 x 380	

MIGARC 165 / 195

MIG/MMA Welding Machine

Item Code: 6-10011911 | 6-1001192

Processes:

- MIG
- Flux Cored
- MMA

Package Includes:

- Inverter Power Source
- MIG Torch
- Earth Cable

Features:

- A DIY grade MIG welder with high performance.
- Compact design with light weight.
- Dual digital display.
- Suitable for fluxcored wire welding.
- 1kg spool on 165 and 5kg spool on 195.

Technical Data		MIGARC165	MIGARC195
Rated Input Voltage	V	220V +- 15%	
Rated Frequency	Hz	50 / 60	
Output No-Load Voltage	V	56V	
Welding Current Range	A	30-160A	30-190A
Rated Duty Cycle (25'C)	%	60%	
Rated Power Capacity	KVA	4,4	7.1
Wire Size	mm	0.6/0.8	0.6 / 0.8 / 0.9
Electrode Size	mm	2.0 / 2.5	2.0 / 2.5 / 3.2
Weight	Kg	8	10kg
Dimension	mm	350x180x220	505 x 280 x 375

PRIMIMIG 251C

MIG/MMA/LIFT TIG Welding Machine

Item Code: 6-100120

Processes:

- MIG
- Flux Cored
- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- MB25 MIG Torch, 3m
- Earth Cable, 2m
- Argon Flowmeter

Features:

- IGBT Technology, High Efficiency
- With ARC ending and spot welding, deep molten puddle.
- Digital Display, A/V, Burn Back Control
- Multi-Process (MIG/MMA/LIFT-TIG welding)
- Portable function of MMA and MIG, workable for 300mm spool.

Technical Data		MIG	MMA
Rated Input Voltage	V	220V +- 15%	
Rated Frequency	Hz	50 / 60	
Rated Input Power Capacity	kVA	8,4	9,5
Rated Input Current	A	38A	43A
No-Load Voltage	V	52V	
Output Current Range	A	20-250A	
Duty Cycle	%	60% @ 40'C	
Welding Wire Size	mm	0.6 - 1.2mm	
Welding Electrode Size	mm		2.0 - 4.0mm
Weight	Kg	20kg	
Dimension	mm	622 x 280 x 450	

GENE ARC 223 COMBO

MMA Welding Machine

Item Code: 6-100081

Processes:

- MMA
- LIFT-TIG

Package Includes:

- Inverter Welding Machine
- Solar Welding Helmet
- Cable Set
- Carry Case

Features:

- A DIY grade single phase inverter welder.
- Compact, easy to carry.
- ARC force, hot start, and anti-sticking.
- Auto darkening helmet.

Technical Data		
Rated Input Voltage	V	AC 220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	65
Rated Input Current	A	45
Welding Current Range	A	20-200
Rated Duty Cycle	%	40%
Rated Input Power Capacity	KVA	5,3
Welding Electrode Size	mm	2.5/3.2/4.0
Weight	KG	8
Dimension	mm	500 x 390 x 180

WAK CAMO

MMA/LIFT TIG Inverter Welding Machine

Item Code: 6-100102

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- 1.5m Electrode Holder & Cable
- 1.2m Earth Clamp & Cable

Features:

- A DIY grade single phase IGBT inverter.
- Modern camouflage design.
- Suitable for carbon steel, stainless steel welding.
- ARC force, hot start, digital display.

Technical Data		
Rated Input Voltage	V	AC 220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	65
Rated Input Current	A	48
Welding Current Range	A	20-200A
Rated Duty Cycle	%	60% @ 200A
Rated Input Power Capacity	KVA	6,5
ARC Force	A	0-100
Welding Electrode Size	mm	2.5 - 4.0
Weight	KG	8
Dimensions	mm	360 x 160 x 212

RILON MMA 120E

Made By Riland

MMA Welding Machine

Item Code: 6-11RL01

Processes:

- MMA
- LIFT-TIG

Package Includes:

- Inverter Power Source
- 1.5m Electrode Holder & Cable
- 1.2m Earth Cable

Features:

- New Richip Technology.
- Control tubular IGBT inverter.
- Digital control 32 bit 200MHz with DSP chip, High speed digital signal processor.
- Power management ensures non-stop work.
- Real Hot-Start significantly increases the ease of starting electrodes.
- Real ARC-Force creates the best welding experience.

Technical Data		
Rated Input Voltage	V	AC 220V +- 15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	60
Rated Input Current	A	20.5A
Welding Current Range	A	30-120
Rated Duty Cycle	%	60%
Efficiency	n	85%
Power Factor	Cosφ	0.63
Insulation Class		F
Protection Class	IP	IP21
Weight	KG	1.5
Dimensions	mm	204 x 87 x 146

INTRUARC 141 / 161

MMA Welding Machine

Item Code: 6-100090 | 6-1000101

Processes:

- MMA
- LIFT-TIG

Package Includes:

- Inverter Power Source
- 1.5m Electrode Holder & Cable
- 1.2m Earth Clamp & Cable

Features:

- A DIY grade single phase IGBT inverter.
- Welding current display.
- Suitable for carbon steel, stainless steel welding.
- ARC Force, hot start, digital display.

Technical Data		141	161
Rated Input Voltage	V	AC 220V +- 15%	
Rated Frequency	Hz	50 / 60	
Rated Input Power Capacity	KVA	4,5	4.7
Rated Input Current	A	38A	35A
Welding Current Range	A	20-140A	20-160A
Output No-Load Voltage	V	67.5V	58V
Rated Duty Cycle	%	60% @ 140A	60% @160A
Welding Electrode Size	mm	2.5/3.2	2.0/2.5/3.2
Weight	KG	5	7
Dimensions	mm	350 x 150 x 200	335 x 130 x 230

GENE SP 22

MMA/LIFT TIG Welding Machine

Item Code: 6-100082

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- 1,5m Electrode Holder & Cable
- 1,5m Earth Clamp & Cable

Features:

- A DIY grade single phase IGBT inverter
- Modern compact design
- Suitable for carbon steel, stainless steel welding.
- ARC force (0-100A), hot start, digital display.

Technical Data		
Rated Input Voltage	V	AC 220V +-15%
Rated Frequency	Hz	50 / 60
Output No-Load Voltage	V	65
Rated Input Current	A	48
Welding Current Range	A	20-200A
Rated Duty Cycle	%	60% @ 200A
Rated Input Power Capacity	KVA	6,5
Welding Electode Size	mm	2.5/4.0
Weight	KG	8
Dimensions	mm	360 x 150 x 200

GENE SP 33

MMA/LIFT TIG Welding Machine

Item Code: 6-1000082A

Processes:

- MMA

Package Includes:

- Inverter Power Source
- 1,5m Electrode Holder & Cable
- 1,2m Earth Clamp & Cable

Features:

- Advance IGBT inverter.
- Digital display.
- Hot Start , Anti Sticking and Arc Force function built-in.
- Intelligent protection: over-current, over-voltage, over heating protection.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Supply Current	A	31.6A
Output Current Range	A	30-200A
Output Voltage Range	V	21.2-28V
Duty Cycle	%	60%
Power Factor		0.73
No Load Voltage	V	61V
Efficiency	%	80%
Electrode Size:	mm	2.0 - 4.0mm
Insulation Class		F
Protection Class	IP	IP21

INTRUARC 210HD

MMA Welding Machine

Item Code: 6-100103

Processes:

- MMA
- LIFT TIG

Package Includes:

- Inverter Power Source
- 1,5m Electrode Holder & Cable
- 1,2m Earth Clamp & Cable

Features:

- Advance IGBT inverter.
- Digital display.
- Hot Start , Anti Sticking and Arc Force function built-in.
- Intelligent protection: over-current, over-voltage, over heating protection.

Technical Data		
Rated Input Voltage	V	220V+- 15%
Rated Frequency	Hz	50 / 60
Rated Supply Current	A	35.6A
Output Current Range	A	30-200A
Output Voltage Range	V	21.2-28V
Duty Cycle	%	60%
Power Factor		0.73
No Load Voltage	V	61V
Efficiency	%	80%
Electrode Size:	mm	2.0 - 4.0mm
Insulation Class		F
Protection Class	IP	IP21

SB-10F-1 WIRE FEEDER

Wire Feeder

Item Code: 6-100200

Technical Data	
Voltage For Wire Feeder	DC24V DC18.3V
Rated Current	3A
Wire Feeding Speed	1.5-18m / min
Dia. Of Wire	0.8-1.6mm Solid/Flux-Cored
Load Capacity Of Wire	20kg @ 300x50x103mm
Dimensions	635 x 250 x 390mm
Weight	15kg

WATER COOLER 9L

Water Cooler

Item Code: 6-100401

Features:

- Efficient cooling for TIG / MIG Burners.
- Copper cooling element.
- Stainless steel pump with large cooling fan.
- Compact design.

Technical Data	
Connection Voltage	220V - 50/60Hz
Capacity	9L
Protection	IP21
Max Cooling Capacity	3760W @ 1.7l/min
Dimensions	457 x 254 x 330mm
Weight	17kg

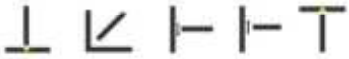
Welding Electrodes

S PRO E6013 ELECTRODE

S Pro is an extra high-quality rutile-coated general-purpose mild steel electrode. S Pro is a maintenance welding rod for wet, dirty and contaminated surfaces, including grained and structural steels, thin gauge steel plates, tubing, pipes, and other sections.

Classification:
AWS A5.1 E6013
EN ISO 2560 B 43 13 A

Welding Positions:



Chemical Composition				
C	Mn	Si	P	S
0.03-0.08	0.40-0.65	0.2-0.5	0.020 MAX	0.01 MAX

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
480Mpa	500Mpa	90 J	28%

Size (mm)	Current (A)	Item Code
2.5mm	60 - 95	1kg 1-100088
		5kg 1-100090
3.2mm	80 - 120	1kg 1-100089
		5kg 1-100091
4mm	100 - 150	5kg 1-100092

SUPER 7 E6013 ELECTRODE

SUPER 7 E6013 is a high quality rutile coated general purpose electrode for welding in all positions. SUPER 7 E6013 has a low spatter and smoke, the initial strike and re-strike is excellent. The slag is easily detached from fillet and butt welds. in most cases it is self-lifting. The weld appearance is excellent.

Classification:
AWS A5.1 E6013

Welding Positions:

Chemical Composition				
C	Mn	Si	P	S
0.05-0.1	0.35-0.60	0.2-0.5	0.025 MAX	0.025 MAX

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
460Mpa	480Mpa	80 J	24%

Size (mm)	Current (A)	Item Code
2.0mm	40 - 70	1kg 1-1001101
2.5mm	60 - 95	0.5kg 1-100115A
		1kg 1-100111
		5kg 1-100113
3.2mm	80 - 120	0.5kg 1-100115B
		1kg 1-100112
		5kg 1-100114
4mm	100 - 150	1kg 1-1001121
		5kg 1-100115
5mm	140 - 200	5kg 1-1001151

SUPER 5 E6013 ELECTRODE

SUPER 5 E6013 a DIY standard grade mild steel welding electrode, all positional welding with self lifting slags, smooth arc, less smoke and spatter. Can be used on 100A inverter welders.

Classification:
AWS A5.1 E6013

Welding Positions:

Chemical Composition				
C	Mn	Si	P	S
0.08	0.58	0.19	0.013	0.013

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
460Mpa	450Mpa	-	25%

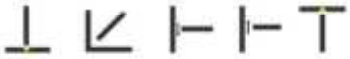
Size (mm)	Current (A)	Item Code
2.5mm	60 - 95	1kg 1-1001160
		5kg 1-100116
3.2mm	80 - 120	5kg 1-100117

CHISA SH E6013 MILD STEEL

CHISA SH E6013, an all purpose welding electrode for mild steel which produce a smooth, quiet, medium penetrating arc that is readily maintained with minimal spatter loss. The slag lifts easily, fine rippled bead contour. Ideally suited for general purpose welding, even with low OCV.

Classification:
AWS A5.1 E6013

Welding Positions:



Chemical Composition					
C	Mn	Si	P	S	Fe
0.08	0.45	0.18	0.014	0.012	Rem

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
460Mpa	450Mpa	-	-25%

Size (mm)	Current (A)	Item Code
2.0mm	40 - 70	1kg 1-100119
		4kg 1-100124
2.5mm	60 - 95	1kg 1-100120
		5kg 1-100125
3.2mm	80 - 120	1kg 1-100121
		5kg 1-100126
4mm	100 - 150	5kg 1-100127
5mm	140 - 200	5kg 1-100128

CITOX E7018-1 LOW HYDROGEN

CITOX E7018-1 is a high deposition electrode for low and medium carbon steel. It is an efficient low hydrogen electrode with excellent mechanical properties; crack resistance, and x-ray quality weld. This electrode offers a quiet, stable, spatter-free arc.

Classification:
AWS A5.1 & ASME SFA 5.1 E7018-1

Chemical Composition					
C	Mn	Si	P	S	Fe
0.08	1.00	0.60	0.021	0.011	Rem

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
480Mpa	560Mpa	-	-29.4%

Size (mm)	Current (A)	Item Code
2.5mm	60 - 95	5kg 1-100201
3.2mm	80 - 120	5kg 1-100202
4mm	100 - 150	5kg 1-100203
5mm	140 - 200	5kg 1-100204

HILCO BASIC E7018-1

HILCO Basic is a high quality low hydrogen (HDM < 5 ml. / 100 gr. deposit weld metal) electrode for all welding positions, except vertical down position. This electrode is characterised by a smooth, quiet arc, very low spatter, an easy slag removal and good mechanical properties up to -50C.

Classification:
AWS A5.1: E 7018-1
EN ISO 2560-A: E 42 5 B 32 H5

Chemical Composition				
C	Mn	Si	P	S
0.07	1.3	0.30	0.011	0.006

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
420Mpa	510Mpa	-	25%

Size (mm)	Current (A)	Item Code
2.5mm	60 - 95	1-HILCO01
3.2mm	80 - 120	1-HILCO02
4mm	100 - 150	1-HILCO03

FERROX E7024 IRON POWDER

FERROX is a heavily coated rutile iron powder electrode for high speed welding of H-V fillers and flat butt joints. Has a metal recovery of approximately 160%.

Application:
Ship Building, Boilers, Heavy Duty Equipment.

Classification:
AWS A5.1 & ASME SFA 5.1 E7024

Chemical Composition				
C	Mn	Si	P	S
0.03-0.08	0.40-0.65	0.2-0.5	0.020 MAX	0.01 MAX

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
480Mpa	560Mpa	-	-27%

Size (mm)	Current (A)	Item Code
3.2mm	120 - 150	5kg 1-100301
4mm	160 - 225	5kg 1-100302
5mm	220 - 330	5kg 1-100303

SUPER POWER GOUGE

A special formulated stick electrode for gouge purpose. Produces the most efficient metal removal performance. No air or oxygen required.

Application:
Create U-groove for weld joints
Remove old welds
Gouge out cracks
Cleaning and repairing castings
Remove hard surface material
Rough machining
Pierce hole.

Size (mm)	Current (A)	Item Code
3.2mm	170 - 300	3kg 1-100410
4mm	225 - 400	3kg 1-100411

ALUARC E4043 ALSi 5

Aluminil Si5 is a special coated aluminium electrode for welding, repairing and surfacing forged and cast aluminium-silicon alloys and joining dissimilar aluminium alloys with max. 7% Si content. The easy flowing characteristics make the electrode suitable for welding all aluminium castings (except AlMg castings). The electrode has a pure white coating specifically designed to reduce moisture pick-up.

Classification:
AWS A5.3: E 4043
EN ISO 18273: E Al 4043 (AlSi5)

Chemical Composition					
Mn	Si	Cu	Zn	Fe	Al
0.05	5	0.05	0.10	0.20	Bal.

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
90Mpa	160Mpa	-	15%

Size (mm)	Current (A)	Item Code
2.5mm	50 - 80	2kg 1-100520
3.2mm	70 - 120	2kg 1-100521
4mm	110 - 150	2kg 1-100522

SUPERCLAD 33

The SUPERCLAD 33 is a rutile coated, AC/DC Hardfacing electrode depositing a tough CR Mn Alloy weld with hardness of 50-55 HRC.

Application:
Tractor, Idlers, track rollers, dragline pins & gears.

Classification:
DIN 8555 EI-UM-400P

Chemical Composition				
C	Mn	Si	Cr	Mo
0.2	1.2	0.8	5.0	0.2 MAX

Size (mm)	Current (A)	Item Code
3.2mm	100 - 140	2kg 1-1004331
4mm	120 - 160	2kg 1-1004332

SUPERCLAD 33S

The SUPERCLAD 33S is a rutile coated, AC/DC Hardfacing electrode depositing a tough eutectic of austenite and metal carbide that can withstand impact at medium loads under abrasive conditions with hardness of 55-60 HRC.

Application:
Suger mill roll, excavator bucket lips, dragline bucket.

Classification:
DIN 8555 E10-UM-55-GPR

Chemical Composition			
C	Mn	Si	Cr
3.5	2.0	1.0	27

Size (mm)	Current (A)	Item Code
3.2mm	100 - 140	2kg 1-1004335
4mm	120 - 160	2kg 1-1004336

SUPERCLAD 667A

A rutile coated DC electrode for hard surfacing depositing a martensitic weld having a hardness of approximately 50-59 HRC resistance to moderate impact.

Classification:
DIN 8555 E10-UM-55-GPR
Hardness 50-59 HRC

Chemical Composition			
C	Mn	Si	Cr
3.5	1.5	0.8	29

Size (mm)	Current (A)	Item Code
3.2mm	110 - 150	4kg 1-100420
4mm	140 - 180	4kg 1-100421
5mm	170 - 210	4kg 1-100422

SUPERCLAD 667B

A rutile coated DC electrode specially designed for wear resistant application. Can withstand impact under relatively abrasive conditions.

Application:
Earth moving equipment, Grader blades, Earth scoops, bucket lips.

Classification:
DIN 8555 E10-UM-60-GPR
HARDNESS 55-60 HRC

Chemical Composition			
C	Mn	Si	Cr
4.0	2.0	1.0	30

Size (mm)	Current (A)	Item Code
3.2mm	110 - 150	4kg 1-100430
4mm	140 - 180	4kg 1-100431

SUPERCAST 55

A nickel-iron alloy electrode (AC-DC), general purpose electrode for production, salvage and repair of all cast irons.

Application:
Suited for joining, filling and build-up of grey and alloyed cast irons, can be used for pump housings, valves, castings, deposits are machinable and have high strength.

Classification:
AWS A5.15 ENiFe-CI

Chemical Composition				
C	Mn	Si	Ni	Cu
2.0	2.5	4.0	55	2.5

Size (mm)	Current (A)	Item Code
2.5mm	50 - 80	1kg 1-100501
3.2mm	80 - 120	1kg 1-100502
4mm	110 - 140	1kg 1-100503

SUPERCAST 99

A general purpose, high nickel electrode for production and repair of cast iron.

Application:
Suited for build-up, jointing, filling holes, breaks and cracks in all types of cast irons. It has very good out-of-position welding characteristics.

Classification:
AWS A5.15 ENi-CI

Chemical Composition				
C	Mn	Si	Ni	Cu
2.0	1.0	4.0	90	2.5

Size (mm)	Current (A)	Item Code
2.5mm	50 - 80	1kg 1-100504
3.2mm	80 - 120	1kg 1-100505
4mm	110 - 140	1kg 1-100506

STAINARC 316L

A rutile coated electrode for welding 316 and 316L grade stainless steel. Perfect for the use in high temperature equipment, oil refining equipment and pharmaceutical equipment.

Classification:
AWS A5.4 E316L-16

Chemical Composition							
C	Mn	Si	Cr	Ni	Mo	S	P
0.04	1.0	0.7	19	12	2.5	0.02	0.03

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
440Mpa	650Mpa	-	35%

Size (mm)	Current (A)	Item Code
2.5mm	50 - 90	2kg 1-100601
3.2mm	70 - 130	2kg 1-100602
4mm	100 - 170	2kg 1-100603

STAINARC 308L

A low carbon 19% Cr, 9% Ni rutile coated electrodes for welding grade 304, 304L, 301 and 302 stainless

Application:
Used on brewing equipment, vacuum pump spares, dairy equipment, chemical handling equipment and food processing.

Classification:
AWS A5.4 E308L-16

Chemical Composition							
C	Mn	Si	Cr	Ni	Mo	S	P
0.03	1.0	0.7	19	9.5	-	0.01	0.03

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
380Mpa	570Mpa	-	40%

Size (mm)	Current (A)	Item Code
2.5mm	50 - 90	2kg 1-100604
3.2mm	80 - 130	2kg 1-100605
4mm	100 - 170	2kg 1-100606

STAINARC 309L

A low carbo, 23% CR, 12%Ni rutile coated electrode for welding corrosion resistant and heat resistant steels of 309 types.

Application:
Used on furnace parts, aircraft components, heat exchanger and chemical processing equipment. Can be used for welding dissimilar carbon steel to low alloy steel, welding stainless steel to mild steel and a buffer for hard-facing applications.

Classification:
AWS A5.4 E309L-16

Chemical Composition							
C	Mn	Si	Cr	Ni	Mo	S	P
0.03	1.0	0.75	23.6	12.5	-	0.01	0.03

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
450Mpa	650Mpa	-	30%

Size (mm)	Current (A)	Item Code
2.5mm	50 - 85	2kg 1-100607
3.2mm	80 - 120	2kg 1-100608
4mm	100 - 150	2kg 1-100609

STAINARC 312

A rutile coated low carbon electrode of 29% Cr, 9% Ni. An universal electrode designed for welding steels of low weld-ability and materials of unknown composition. Welding of dissimilar steel from carbon steel to stainless steel. Light Blue coating for unique identification.

Application:
Weld on dissimilar steels, tool steel, dies and springs.

Classification:
AWS A5.4 E312-16

Chemical Composition							
C	Mn	Si	Cr	Ni	Mo	S	P
0.10	1.5	0.8	29	9	0.15	0.02	0.02

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
620Mpa	700Mpa	-	24%

Size (mm)	Current (A)	Item Code
2.5mm	45 - 80	2kg 1-100613
3.2mm	75 - 110	2kg 1-100614
4mm	110 - 150	2kg 1-100615

STAINARC 310

A rutile coated electrode of 25% Cr, 20% Ni for all positional welding, used for 310 grade stainless steel.

Application:
Used on welding of resists scaling in oxidising atmospheres up to 1,100C while maintaining joint strength.

Classification:
AWS A5.4 E310-16

Chemical Composition							
C	Mn	Si	Cr	Ni	Mo	S	P
0.1	2.0	0.7	25	21	0.2	0.02	0.02

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
400Mpa	650Mpa	-	30%

Size (mm)	Current (A)	Item Code
2.5mm	50 - 70	2kg 1-100620
3.2mm	80 - 95	2kg 1-100621
4mm	95 - 130	2kg 1-100622

STAINARC 2209

STAINARC 2209 is rutile coated electrode designed for the welding of austeniti -ferritic duplex steels, The weld deposit ¥ has a ferrite content of 25-30%. Has a good re-strike with excellent bead profile and overall ease operation.

Application:
Suit for welding SAF 2205 and LDX 2101

Classification:
AWS A5.4 E2209-16

Chemical Composition							
C	Mn	Si	Cr	Ni	Mo	S	P
0.03	1.0	0.75	23.6	12.5	-	0.01	0.03

Mechanical Properties			
Yield Strength	Tensile Strength	Charpy @ 20°C	Elongation
450Mpa	650Mpa	-	30%

Size (mm)	Current (A)	Item Code
2.5mm	50 - 80	2kg 1-100625
3.2mm	70 - 120	2kg 1-100626

ARC Welding Accessories

FLIP FRONT HELMET

- Durable & Affordable
- For use in all types of welding & grinding
- Replacement lenses:
  - Shade 8, 10, 11, 12, Clear Glass & Clear Plastic

Item Code
8-100118

AUTO DARKENING SPECTACLE

Technical Data	
Filter Size	108mm x 51mm x 5.5mm
View Area	90mm x 32mm
Light Shade	DIN3
Dark Shade	DIN11
Switching Time	1/1000s
Recovery Time	0.2s
Power Supply	Solar Cells + Lithium Cells
Working Temperature	-20°C to 60°C

Item Code
8-100100

WAK CAMO HELMET

Technical Data	
View Area	92mm x 42mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar Cells
Switching Time	1/25000s
Dark to Light	0.1s - 1.0s
Low Amps TIG Rate	10 Amps (DC) or less
Grinding Function	Yes
Shade Control	Adjustable
Power On/Off	Automatic
UV/IR Protection	Up to DIN 16
Sensitivity Control	Low-High, by dial knob
Weight	480g

Item Code
8-1001041

- Solar-powered for long lasting life, up to 5,000 hours.
- Fully adjustable shade 6-13, Lens darkening reaction on 1/25,000s.
- Ideal for ARC, MIG, TIG Welding and Plasma Cutting.
- Two Independent ARC sensors.
- Features auto-off circuitry at 15-20min.
- Includes replacement lens cover.

ARCO WELDING HELMET

Technical Data	
View Area	92mm x 42mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar Cells, no battery req
Switching Time	1/25000s
Dark to Light	0.1s - 1.0s
Low Amps TIG Rate	10 Amps (DC) or less
Grinding Function	Yes
Shade Control	Adjustable
Power On/Off	Automatic
UV/IR Protection	Up to DIN 16
Sensitivity Control	Low-High, by dial knob
Weight	490g

Item Code
8-100100A

- Solar-powered for long lasting life, up to 5,000 hours.
- Ideal for ARC, MIG, TIG Welding and Plasma Cutting.
- Variable, Shade 9-13, Variable Sensitivity and Delay Control.
- Lens darkening reaction 1/25,000sec.
- Superior design.
- Includes inner replacement lens cover.

MAGNUM S WELDING HELMET

Technical Data	
View Area	90mm x 35mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 10 (11)
Power Supply	Solar Cells, no battery req
Switching Time	1/50000s
Dark to Light	0.25s - 0.45s
Low Amps TIG Rate	≥ 35 Amps (DC)
Grinding Function	No
Shade Control	Non-Adjustable
Power On/Off	Automatic
UV/IR Protection	Up to DIN 16
Sensitivity Control	Non-Adjustable, Auto
Weight	460g

Item Code
8-100101

- Solar-powered for long lasting life, up to 2,000 hours.
- Light weight, fully adjustable headgear.
- Features auto-off circuitry at 15-20min.
- Two Independent ARC sensors.
- Ideal for ARC, MIG, TIG Welding.
- Includes replacement lens cover.

DECASOLA WELDING HELMET

Technical Data	
View Area	90mm x 35mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 10 (11)
Power Supply	Solar Cells, no battery req
Switching Time	1/50000s
Dark to Light	0.25s - 0.45s
Low Amps TIG Rate	≥ 35 Amps (DC)
Grinding Function	No
Shade Control	Non-Adjustable
Power On/Off	Automatic
UV/IR Protection	Up to DIN 16
Sensitivity Control	Non-Adjustable, Auto
Weight	470g

Item Code
8-100102

- Solar-powered for long lasting life, up to 2,000 hours.
- Light weight, fully adjustable headgear.
- Features auto-off circuitry at 15-20min.
- Two Independent ARC sensors.
- Ideal for ARC, MIG, TIG Welding.
- Includes replacement lens cover.

OTOSOLA WELDING HELMET

Technical Data	
View Area	92mm x 42mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar Cells, no battery req
Switching Time	1/25000s
Dark to Light	0.1s - 1.0s
Low Amps TIG Rate	≥ 10 Amps (DC)
Grinding Function	Yes
Shade Control	Adjustable
Power On/Off	Automatic
UV/IR Protection	Up to DIN 16
Sensitivity Control	Low-High, by dial knob
Weight	480g

Item Code
8-100103

- Solar-powered for long lasting life, up to 5,000 hours.
- Ideal for ARC, MIG, TIG Welding and Plasma Cutting.
- Features Auto-off circuitry A 15-20min.
- Lens darkening reaction 1/25,000sec.
- Two independent arc sensors.
- Includes inner replacement lens cover.

BATMAN WELDING HELMET

Technical Data	
View Area	92mm x 45mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar Cells, no battery req
Switching Time	1/25000s
Dark to Light	0.1s - 1.0s
Low Amps TIG Rate	≥ 10 Amps (DC)
Grinding Function	Yes
Shade Control	Adjustable
Power On/Off	Automatic
UV/IR Protection	Up to DIN 16
Sensitivity Control	Low-High, by dial knob
Weight	490g

Item Code
8-100104

- Solar-powered for long lasting life, up to 5,000 hours.
- Variable, Shade 9-13, Variable Sensitivity and Delay Control.
- Ideal for ARC, MIG, TIG Welding and Plasma Cutting.
- Lens darkening reaction 1/25,000sec.
- Superior design.
- Includes inner replacement lens cover.

GARAGE WELDING HELMET

Technical Data	
View Area	92mm x 42mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar Cells, no battery req
Switching Time	1/25000s
Dark to Light	0.1s - 1.0s
Low Amps TIG Rate	≥ 10 Amps (DC)
Grinding Function	Yes
Shade Control	Adjustable
Power On/Off	Automatic
UV/IR Protection	Up to DIN 16
Sensitivity Control	Low-High, by dial knob
Weight	480g

Item Code
8-100103-1

- Solar-powered for long lasting life, up to 5,000 hours.
- Variable, Shade 9-13, Variable Sensitivity and Delay Control.
- Ideal for ARC, MIG, TIG Welding and Plasma Cutting.
- Lens darkening reaction 1/25,000sec.
- Superior design.
- Includes inner replacement lens cover.

ARC WELDING ACCESSORIES

WELDING SKULL CAP

The Pinnacle welding skull cap is manufactured from 100% cotton, the cap is worn underneath the welding helmet, hard hat, and/or brow cover. This serves to protect users exposed neck area and also provides a more sanitary use of welding helmets.

Item Code
8-100168

WELDING HOOD

The Pinnacle welding hood is made from flame retardant fabric.

Item Code
8-1001681

WELDING HELMET FOR HARD HAT

This welding helmet is made to fit most hard hats.

Item Code
8-100415

LENS 108 x 51 MM

Replacement lenses: Shade 8, 10, 11, 12, Clear Glass, Clear Plastic

Item Code	
Shade 8	8-100120
Shade 10	8-100121
Shade 11	8-100122
Shade 12	8-100123
Clear Glass	8-100124
Clear Plastic	8-100124-1

AUTO DARKENING FILTER LENS 300F

Use with Pinnacle Magnum S & Decasola welding helmets.

Item Code
8-100110

AUTO DARKENING FILTER LENS 500E

Use with Pinnacle Otosola S & Batman welding helmets.

Item Code
8-100111

INNER PROTECTIVE LENS

Inner protective lense for Otosola, Magnum S and Decasola helmets.

Item Code	
Otosola	8-100108
Magnum S & Decasola	8-100109

OUT PROTECTIVE LENS

Outer protective lense for Decasola helmets.

Item Code
8-100106

OUT PROTECTIVE LENS

Outer protective lense for Magnum S helmets.

Item Code
8-100105

OUT PROTECTIVE LENS

Outer protective lense for Otosola helmets.

Item Code
8-1001070

OUT PROTECTIVE LENS

Outer protective lense for Batman helmets.

Item Code
8-1001071

HIGH LEVEL HEAD GEAR

Item Code
8-100114

HEAD GEAR

Use with Decasola helmet.

Item Code
8-100115

HEAD GEAR

Use with Otosola helmet.

Item Code
8-100116

ELECTRODE HOLDER OPTIMUS

For heavy duty welding.

Item Code	
400A	8-100130
600A	8-100131

ELECTRODE HOLDER JAW - SAM TYPE

For medium to heavy duty welding.

Item Code	
300A	8-100135
500A	8-100136

ELECTRODE HOLDER KD TYPE

For DIY and light duty welding.

Item Code	
300A	8-100140
500A	8-100141

ELECTRODE HOLDER TWIST LOCK

For extra heavy duty welding.

Item Code	
400A	8-100145
600A	8-100146

CROC TYPE EARTH CLAMP

200Amp Croc Type Clamp

Item Code
8-100150

CROC TYPE EARTH CLAMP

400Amp Croc Type Clamp

Item Code
8-100151

CROC TYPE EARTH CLAMP

600Amp Croc Type Clamp

Item Code
8-100152

G-TYPE EARTH CLAMP

600Amp Extra heavy duty G-Type Clamp

Item Code
8-100153

ARC WELDING ACCESSORIES

MAGNETIC EARTH CLAMP

+- 400A Magnetic Clamp

Item Code
8-100168

CHIPPING HAMMER

Item Code
8-100160

WIRE BRUSH

Mild Steel

Item Code
8-100161

WIRE BRUSH

Stainless Steel

Item Code
8-100162

WELDING MAGNETS

25lb (11.4kg) | 50lb (22.7kg) | 75lb (34kg)

Item Code
25lb - 8-100165
50lb - 8-100166
75lb - 8-100167

DINSE TYPE CABLE CONNECTOR

Male Connector

Item Code	
10-25mm	8-100170
35-50mm	8-100171
50-70mm	8-100172
95mm	8-100173

DINSE TYPE CABLE CONNECTOR

Female Connector

Item Code	
10-25mm	8-100175
35-50mm	8-100176
50-70mm	8-100177
95mm	8-100178

MACHINE PANEL SOCKET

Male Sockets

Item Code	
10-25mm	8-100180
35-50mm	8-100181
50-70mm	8-100182

ARC WELDING ACCESSORIES

MACHINE PANEL SOCKET

Female Sockets

Item Code	
10-25mm	8-100185
35-50mm	8-100186
50-70mm	8-100187

MACHINE PANEL SOCKET

Female Lug Type Sockets

Item Code	
10-25mm	8-100187A
35-50mm	8-100187B
50-70mm	8-100187C

PVC WELDING CABLE

Pinnacle welding cables are 100% copper, PVC double insulated. Selection guide according to duty cycle (A).

Size	Colour	Item Code	100%	85%	60%	30%	20%
16mm	Green	8-100190	110	120	145	200	250
25mm	Blue	8-100191	150	165	195	275	340
35mm	Grey	8-100192	185	200	240	340	415
50mm	Red	8-100193	230	250	300	420	520
70mm	Brown	8-100194	290	300	380	530	650
95mm	Yellow	8-100195	355	385	465	650	800

WELDING CABLE SET 160A

16mm (2m Electrode Holder & Cable + 2m Earth Clamp and Cable)

Item Code
8-100198

WELDING CABLE SET 250A

25mm (2m Electrode Holder & Cable + 2m Earth Clamp and Cable)

Item Code
8-100199

K4 GOUGING TORCH

- Heavy Duty with swivel hard
- 1000A

Item Code
8-100300

K5 GOUGING TORCH

- Heavy Duty with swivel hard
- 1200A

Item Code
8-100301

ARC WELDING ACCESSORIES

6 PIECE WELDING KIT 160A

Consists of welding cable set, chrome leather gloves, flip front helmet, chipping hammer and brush.

Item Code
8-100401

6 PIECE WELDING KIT 250A

Consists of welding cable set, chrome leather gloves, flip front helmet, chipping hammer and brush.

Item Code
8-100402

CABLE LUGS

Item Code	
16 x 10mm	8-100200
25 x 10mm	8-100201
35 x 12mm	8-100202
50 x 12mm	8-100203
70 x 12mm	8-100204

WELDING CURTAIN

Yellow PVC with Eye lids.

Item Code	
2m x 2m	8-100210
3m x 2m	8-100211
3m x 3m	8-100212

GLASS FIBRE FIRE BLANKET

Glass Fibre Fire Blanket (White) Sasol Spec 550°C.

Item Code	
2m x 2m	8-100217
3m x 2m	8-100218
3m x 3m	8-1002181
1m x 50m Roll	8-100225

BLUE ARC ANTI-SPATTER

Blue ARC anti-spatter, water based and non-silicon.

Item Code	
5L	9-100091
20L	9-1000911

ANTI-SPATTER

Aerosol Spray can.

Item Code	
300ml Silicon Free	9-100101
400ml Silicon	9-100102

ENGINEERING AEROSOL

Item Code	
Marking Blue 400ml	9-100106
Cleaner 300ml	9-100105
Developer 400ml	9-100104
Penetrant 400ml	9-100103

WELDING LIQUIDS

1 Liter. Stainless Pickling Paste, Stainless Passivating Gel, Aluminum Cleaner, Rust Remover.

Item Code	
Pickling Paste	9-100070
Passivator Gel	9-100071
Aluminum Cleaner	9-100073
Rust Remover	9-100072

TRANSFORMER OIL

Item Code	
1L	9-100120
5L	9-100121

SOAP STONE

Boiler Markers Chalk - 144 p/box

Item Code
9-100110

INDUSTRIAL MARKERS

Permanent markers - White / Yellow / Red.

Item Code	
White	9-100111
Yellow	9-100112
Red	9-100113

PAINT MARKERS

Paint markers pens - White / Yellow / Red.

Item Code	
White	9-100115
Yellow	9-100116
Red	9-100117

TAMPER CHECK

For checking loose nuts & bolts.

Item Code
9-100122

DRYTEC HOTBOX

- 5kg Capacity @ max 200°C
- 12kg Capacity @ max 300°C

Item Code
5kg | 7-100105
12kg | 7-100106

MIG Welding Wire

XTRAWELD 2

Xtraweld 2 is a premium grade mild steel MIG/MAG welding wire, produced from high quality deoxidized mig rod, this product is copper coated to increase shelf life and feeding ability. Precision layer wound, used with shielding gas such as CO2 at 15-20L/min, argon CO2 mixture at 10-15L/min.

Approvals:
LR H15, ABS 2SA, DNV, BV.

Classification:
AWS A5.18 ER70S-6
EN ISO 14341 G3Si1

Chemical Composition						
C	Mn	Si	S	P	Cu	Fe
0.10	1.60	1.05	0.025	0.03	0.18	Bal

Mechanical Properties use with CO2 gas				
Tensile Strength	Yield Strength	Elongation	Charpy V-Notch @ 20°C	Charpy V-Notch @ -20°C
510-570MPa	450MPa	28%	150J	60J

Size (mm)	Net Weight / Spool	Item Code
0.6mm	5kg	2-100101
0.8mm	5kg	2-100102
0.9mm	1kg	2-100111
0.8mm	15kg	2-100201
0.9mm	15kg	2-100202
1.0mm	15kg	2-100203
1.2mm	15kg	2-100204
1.6mm	15kg	2-100205

XTRAWELD 2 - DRUM PACK

Xtraweld 2 drum pack is a MIG/MAG wire system designed to enhance the performance of automated welding system, using unique reverse twist coiling method, to ensure the wire from drum virtually straight and twist free. Every drum pack used will save approximately 3 hours downtime.

Approvals:
LR H15, ABS 2SA, DNV, BV.

Item Code
2-100408

*optional drum cone set for drum pack.

Classification:
AWS A5.18 ER70S-6
EN ISO 14341 G3Si1

Chemical Composition						
C	Mn	Si	S	P	Cu	Fe
0.10	1.60	1.05	0.025	0.03	0.18	Bal

Mechanical Properties use with CO2 gas				
Tensile Strength	Yield Strength	Elongation	Charpy V-Notch @ 20°C	Charpy V-Notch @ -20°C
510-570MPa	450MPa	28%	150J	60J

Size (mm)	Net Weight / Spool	Item Code
1.0mm	250kg	2-100401
1.2mm	250kg	2-100402
1.6mm	250kg	2-100403

XTRAWELD 648

A low alloy steel welding wire containing Ni, Mo and V. The wire is copper coated, used for welding high tensile strength up to 930Mpa. Gas flow rate 14-16L/min

Classification:
AWS A5.28 ER100S-G

Chemical Composition							
C	Mn	Si	Cr	Ni	Cu	Mo	V
0.08	1.70	0.6	0.4	1.5	0.3	0.3	0.1

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
750MPa	800MPa	22%

Size (mm)	Net Weight / Spool	Item Code
1.0mm	15kg	2-100410
1.2mm	15kg	2-100411
1.6mm	15kg	2-100412
1.2mm	250kg	2-100413

Ni99 CAST IRON

Ni99 CAST IRON MIG WIRE is to give a low carbon nickel deposit, used for joining pure nickel to itself, for buffer layers, also excellent for metal spraying.

Application:
Tank & Vessels, process pipework and heat exchanger.

Classification:
AWS A5.15 ENi-CI

Chemical Composition				
C	Mn	Si	Ni	Ti
0.15	1.0	0.70	93 min	2.0-3.5

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
585MPa	355MPa	35%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	12.5kg	2-100815

STAINLUX 316LSi

ER316LSi Mig wire is used for Mo bearing austenitic stainless steel with 1.5-3% Mo. 316/316L type stainless steel are for good resistance of pitting, acid and general corrosion.

Classification:
AWS A5.9 ER316LSi

Chemical Composition							
C	Mn	Si	Cr	Ni	S	Mo	P
0.01	1.4	0.8	19	13	0.01	2.5	0.01

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
570MPa	440MPa	40%

Size (mm)	Net Weight / Spool	Item Code
0.8mm	5kg	2-100505
0.9mm	5kg	2-100506
0.8mm	15kg	2-100510
0.9mm	15kg	2-100511
1.0mm	15kg	2-100512
1.2mm	15kg	2-100513

STAINLUX 308LSi

ER308LSi Mig wire is used for welding 301, 302, 303, 304 grades stainless steel. Mainly used in brewery, food, architectural and general fabrication.

Classification:
AWS A5.9 ER308LSi

Chemical Composition							
C	Mn	Si	Cr	Ni	S	Mo	P
0.01	1.7	0.8	20	10	0.01	0.1	0.01

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
570MPa	435MPa	40%

Size (mm)	Net Weight / Spool	Item Code
0.8mm	15kg	2-100514
0.9mm	15kg	2-100515
1.0mm	15kg	2-100516
1.2mm	15kg	2-100517

STAINLUX 309LSi

ER309LSi Mig wire is used for welding in high dilution conditions, dissimilar weld, buffer layers.

Classification:
AWS A5.9 ER309LSi

Chemical Composition							
C	Mn	Si	Cr	Ni	S	Mo	P
0.015	1.7	0.8	24	13	0.05	0.1	0.01

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
560MPa	430MPa	40%

Size (mm)	Net Weight / Spool	Item Code
0.8mm	15kg	2-100518
0.9mm	15kg	2-100519
1.0mm	15kg	2-100520
1.2mm	15kg	2-100521

STAINLUX 307Si

ER307Si is suitable for joining of armour plate, ferritic Cr stainless steel and dissimilar steels. Also suitable for buffer layering prior to hard facing.

Classification:
AWS A5.9 ER307Si

Chemical Composition						
C	Mn	Si	Cr	Ni	S	P
0.15	7	1.2	19	9	0.025	0.03

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
700MPa	400MPa	30%

Size (mm)	Net Weight / Spool	Item Code
1.0mm	15kg	2-100525
1.2mm	15kg	2-100526

STAINLUX 310

ER310 are used for welding 25%Cr,20%Ni (310) type of alloys. The high alloy content gives resistance up to 1200℃ for heat shields, furnace and ducting parts.

Classification:
AWS A5.9 ER310

Chemical Composition							
C	Mn	Si	Cr	Ni	S	Mo	P
0.11	1.8	0.4	26	21	0.005	0.1	0.02

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
550MPa	360MPa	27%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100545

STAINLUX 312

ER312 is used for welding known and unknown channel specifications, dissimilar materials. Weld deposit work hardens and give good wear resistance.

Classification:
AWS A5.9 ER312

Chemical Composition							
C	Mn	Si	Cr	Ni	S	Mo	P
0.01	1.8	0.4	29	9.1	0.005	0.1	0.02

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
820MPa	630MPa	26%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100530

STAINLUX 410

ER410 is used for welding 13%Cr stainless steel such as 403 and 410 types. Heat treatable, used for machines parts and pump shafts.

Classification:
AWS A5.9 ER410

Chemical Composition							
C	Mn	Si	Cr	Ni	S	Mo	P
0.12	0.48	0.34	13	0.43	0.006	0.48	0.008

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
520MPa	300MPa	33%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100535

STAINLUX ER2209

STAINLUX ER2209 Mig wire is used to weld duplex stainless steel pipe, plate, fittings, having 50:50 austenite with ferrite matrix.

Application:
Offshore oil/gas, chemical process, pipework.

Classification:
Conforms to AWS A5.9 ER2209

Chemical Composition					
C	Mn	Si	Cr	Ni	Mo
0.015	1.6	0.5	23	8.2	3.2

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
800/835MPa	560/620MPa	28/35%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100539

ALUWELD 4043

ALUWELD 4043 is a 95% aluminium, 5% silicon welding wire suitable for welding heat treatable base alloys of the 6XXX series. Has lower melting point. Also suitable for spray arc and pulsed arc transfer. Application in the construction ad automotive industry.

Classification:
AWS A5.10 ER4043

Chemical Composition			
Si	Mg	Mn	Al
5%	0.05	0.05	Bal

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
180MPa	120MPa	8%

Size (mm)	Net Weight / Spool	Item Code
0.9mm	0.5kg	2-100620
0.9mm	2kg	2-100621
1.0mm	7kg	2-100603
1.2mm	7kg	2-100604
1.6mm	7kg	2-100605

ALUWELD 5356

ALUWELD 5356 is a 95% aluminium, 5% magnesium welding wire suitable for general purpose welding of the 5XXX series alloys. Also suitable for spray arc and pulsed arc transfer. Application in shipping, bulk container, railway, and automotive industry.

Classification:
AWS A5.10 ER5356

Chemical Composition				
Si	Mg	Mn	Al	Fe
0.20	5	0.15	Bal	0.35

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
280MPa	130MPa	18%

Size (mm)	Net Weight / Spool	Item Code
1.0mm	7kg	2-100610
1.2mm	7kg	2-100611
1.6mm	7kg	2-100612

ALUWELD 1100

ALUWELD is a high quality pure aluminium wire with 99.50% aluminium. Suitable for spray arc and pulsed arc transfer. Application in electronic, electrical, construction, equipment for food, chemical, brewing industry.

Classification:
AWS A5.10 ER1100

Chemical Composition				
Si	Mg	Mn	Al	Fe
0.20	0.02	0.02	Bal	0.20

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
65MPa	20MPa	35%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	7kg	2-100615
1.6mm	7kg	2-100616

MIG WELDING WIRE

XTRACORE 71

Xtracor 71 is a rutile type CO2 shielded flux cored wire for welding of C/Mn steel. Recommended for all positional welding. Widely used in general engineering workshop. Use with CO2 Gas.

Classification:
AWS A5.20 E71T-1C

Chemical Composition				
C	Mn	Si	S	P
0.04	1.33	0.40	0.01	0.02

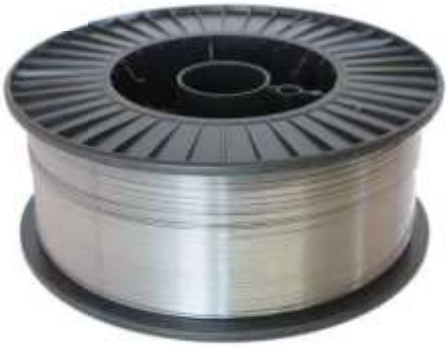
Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
580MPa	540MPa	28%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100701
1.6mm	15kg	2-100703

XTRACORE 71 H4

Xtracor 71 is a rutile type CO2 shielded flux cored wire for welding of C/Mn steel. Recommended for all positional welding. Widely used in general engineering workshop. Use with CO2 Gas.

Classification:
AWS A5.10 E71T-1C-H4



Chemical Composition				
Si	Mn	P	S	C
0.80	1.70	0.02	0.02	0.11

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
580MPa	540MPa	22%

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-1007031
1.6mm	15kg	2-1007032

E71T-11 GASLESS

E71T-11 is a gasless, open-arc, tubular wire which is easy to use. Recommended to use with smaller Mig welder or areas where gas cylinder is not practical.

Classification:
AWS A5.20 E71T-11

Chemical Composition					
C	Mn	Si	S	P	Al
0.02	1.10	0.25	0.012	0.012	0.8

Mechanical Properties		
Tensile Strength	Yield Strength	Elongation
580MPa	540MPa	35%

Size (mm)	Net Weight / Spool	Item Code
0.9mm	1kg	2-100710
0.9mm	5kg	2-100711
1.2mm	5kg	2-100704
1.2mm	15kg	2-100705

CLADCOR 50

Cladcor 50 is a self-shielded flux cored wire depositing an extra high chrome carbide alloy steel. It is used to overlay surface subject to severe abrasion, moderate impact. Application for bucket teeth and lips, cement chutes, coal feeder screw, conveyor screw, crush jaws, dragline buckets.

Classification:
DINN 8555 MF10-GF-55-G

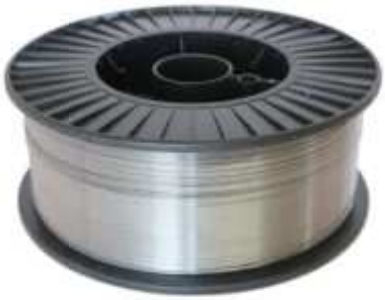
Chemical Composition			
C	Mn	Si	Cr
4.50	0.90	0.50	26.5

Mechanical Properties
Hardness
HRC 50-55

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100750

CLADCOR 60

Cladcor 60 is a self-shielded flux cored wire depositing an extra high chrome carbide alloy steel. It used to overlay surface subject to extremely severe abrasion, not suggested to use with severe impact. Application for sugar cane hammer & knives, mining machinery, buckets, dipper teeth, coal crusher etc.



Classification:
DINN 8555 MF6-GF-60-G

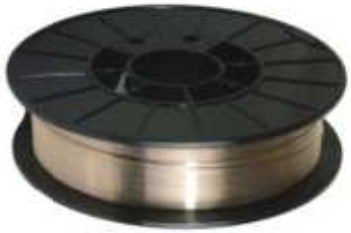
Chemical Composition			
C	Mn	Si	Cr
4.90	1.50	1.1	29.5

Mechanical Properties
Hardness
HRC 55-60

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100760

S211 SILICON BRONZE

S211 Silicon Bronze is a pure copper wire with 3% silicon for welding wide range of copper alloys. Applications include wire for electrical components, tubes and heat exchanges, mig brazing for automotive body panels.



Classification:
AWS A5.7 ERCuSi-A

Chemical Composition		
Si	Mg	Cu
3.0	0.90	Bal

Mechanical Properties		
Tensile Strength	Elongation	Hardness
350 MPA	38%	80-90 HB

Size (mm)	Net Weight / Spool	Item Code
0.8mm	5kg	2-100801
1.0mm	5kg	2-100802
1.2mm	15kg	2-100806

S215 ALUMINIUM BRONZE A2

S215 Aluminium Bronze A2 is a copper filler wire containing 10% aluminium, 1% iron. Can be used for joining dissimilar alloys. Eg, copper to steel, copper to cast iron, brass to steel etc. Applications include corrosion resistant pumps, casting, machinery parts for offshore, marine and mining industry.

Classification:
AWS A5.7 ERCuAl-A2

Chemical Composition			
Al	Mg	Fe	Cu
10%	0.8%	1.0%	Bal

Mechanical Properties		
Tensile	Elongation	Hardness
450 MPa	45%	90-120 HB

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100810

S201 DEOXIDIZED COPPER

S201 Deoxidized Copper is a filler wire for a welding pure copper when maximum thermal and electrical conductivity are required. Applications include plate for chemical plant and moulds, rods and wires for electrical components, tubes for heat exchanges.

Classification:
AWS A5.7 ERCu

Chemical Composition		
Cu	Al	Fe
98%	0.01%	0.02%

Mechanical Properties	
Tensile	Hardness
230 MPa	60-80 HB

Size (mm)	Net Weight / Spool	Item Code
1.2mm	15kg	2-100831

MIG Torch & Accessories

MB15 4M TORCH

The MB15 4m MIG welding torch is a compact and versatile tool for MIG welding. It features a 4-meter cable length and is equipped with a durable nozzle, contact tip, and trigger for precise wire control. This torch is compatible with various welding machines, offering convenience and efficiency in metal fabrication tasks.

Technical Data	
Product Code	11-100090
Rating	180A CO2
	150A Mixed Gas
Duty Cycle	60%
Wire Size	0.6 - 1.0 mm

MB25 4M TORCH

The MB25 4m MIG welding torch is a robust and reliable tool designed for MIG welding applications. With a 4-meter cable length, it provides flexibility and maneuverability during welding tasks. Equipped with a durable nozzle, contact tip, and trigger, this torch ensures precise wire control and consistent weld quality. Compatible with a range of welding machines, it offers versatility and ease of use for various metal fabrication projects.

Technical Data	
Product Code	11-100091
Rating	230A CO2
	200A Mixed Gas
Duty Cycle	60%
Wire Size	0.8 - 1.2 mm

MB36 4M TORCH

The MB36 4m MIG welding torch is a versatile and durable tool for MIG welding applications. With a 4-meter cable length, it provides ample reach and flexibility for welding tasks. Featuring a robust construction, including a sturdy nozzle, contact tip, and trigger mechanism, this torch ensures precise wire control and consistent weld quality. Compatible with various welding machines, the MB36 4m torch is suitable for a wide range of metal fabrication projects, offering reliability and efficiency.

Technical Data	
Product Code	11-100092
Rating	340A CO2
	320A Mixed Gas
Duty Cycle	60%
Wire Size	0.8 - 1.2 mm

MB40 4M TORCH

The MB40 4m MIG welding torch is a robust and versatile tool designed for professional welding applications. With a 4-meter cable length, it offers ample reach and flexibility for various welding tasks. Featuring a durable construction, including a sturdy nozzle, contact tip, and trigger mechanism, this torch ensures precise wire control and consistent weld quality. Compatible with a wide range of welding machines, the MB40 4m torch delivers reliability and efficiency in metal fabrication projects.

Technical Data	
Product Code	11-100093
Rating	400A CO2
	350A Mixed Gas
Duty Cycle	60%
Wire Size	0.8 - 1.6 mm

MB501 4M TORCH (Water-Cooled)

The MB501 4m MIG welding torch is a high-quality tool built for professional welding applications. With a 4-meter cable length, it provides excellent reach and flexibility for various welding tasks. Featuring a sturdy construction, including a durable nozzle, contact tip, and trigger mechanism, this torch ensures precise wire control and consistent weld quality. Compatible with a wide range of welding machines, the MB501 4m torch offers reliability and efficiency in metal fabrication projects.

Technical Data	
Product Code	11-100094
Rating	500A CO2
	450A Mixed Gas
Duty Cycle	60%
Wire Size	0.8 - 1.6 mm

RB61 4M TORCH

The RB61 4m MIG welding torch is a reliable tool designed for MIG welding applications. With a 4-meter cable length, it offers flexibility and maneuverability for various welding tasks. Featuring a durable construction, including a robust nozzle, contact tip, and trigger mechanism, this torch ensures precise wire control and consistent weld quality. Compatible with a range of welding machines, the RB61 4m torch provides efficiency and ease of use in metal fabrication projects.

Technical Data	
Product Code	11-100106
Rating	600A CO2
	550A Mixed Gas
Duty Cycle	100%
Wire Size	0.8 - 2.4 mm

MIG SPOOL GUN

A MIG spool gun is a specialized welding tool designed for welding aluminum or other soft metals. It consists of a pistol-grip handle connected to a small spool of welding wire, typically mounted on a handheld device or a separate feeder unit. The spool gun allows for precise control of the wire feed speed and minimizes the risk of wire tangling or birdnesting, making it ideal for welding applications requiring higher travel speeds and better control over heat input.

Technical Data	
Product Code	11-100085
Rating	130A CO2
Duty Cycle	30%
Spool Size	1Kg Weight, 4" Diameter
Wire Size	0.8 - 0.9 mm

STEEL LINERS FOR MB501 4M

Item Code
11-100173

TEFLON LINERS 4M

Colour	Length	Item Code
Blue	0.6 - 0.9mm	11-100175
Red	1.0 - 1.2mm	11-100176

LINERS

Colour	Length	Item Code
Blue	0.6 - 0.9mm	11-100170
Red	1.0 - 1.2mm	11-100171
Yellow	1.2 - 1.6mm	11-100172

CO2 ARGON ADAPTER

Item Code
11-100190

MIG WELDING PLIER 8#

Item Code
11-100410

MB24 TIP ADAPTOR

Item Code
11-1001501

MB24 SWAN NECK

Item Code
11-1001801

MB24 SHROUD

Item Code
11-1001401

MB24 GAS DIFFUSER

Item Code
11-100159

CONTACT TIP M6

Use on MB15 / MB25 / MB36 Torch.

Item Code	
M6 0.8mm	11-100110
M6 0.9mm	11-100111
M6 1.0mm	11-100112
M6 1.2mm	11-100113
M6 1.4mm	11-100114

CONTACT TIP M8

Use on MB36 / MB40 / MB501 Torch.

Item Code	
M8 0.8mm	11-100120
M8 0.9mm	11-100121
M8 1.0mm	11-100122
M8 1.2mm	11-100123
M8 1.4mm	11-100124
M8 1.6mm	11-100125

CONTACT TIP M10

Use on RB61Torch.

Item Code	
M10 1.2mm	11-100130
M10 1.4mm	11-100131
M10 1.6mm	11-100132

CONICAL SHROUD NOZZLE MB15

Item Code
11-100140

CONICAL SHROUD NOZZLE MB25

Item Code
11-100141

CONICAL SHROUD NOZZLE MB36

Item Code
11-100142

CONICAL SHROUD NOZZLE MB40

Item Code
11-100143

CONICAL SHROUD NOZZLE MB501

Item Code
11-100144

CONICAL SHROUD NOZZLE RB61

Item Code
11-100145

TIP ADAPTOR MB15 X M6

Item Code
11-100150

TIP ADAPTOR MB25 X M6

Item Code
11-100151

TIP ADAPTOR MB36

Item Code	
M6	11-100152
M8	11-100153

TIP ADAPTOR MB40 X M8

Item Code
11-100154

TIP ADAPTOR MB501 X M8

Item Code
11-100155

TIP ADAPTOR RB61 M8

Item Code
11-100156

GAS DIFFUSER MB36

Item Code
11-100160

GAS DIFFUSER MB40

Item Code
11-100161

GAS DIFFUSER MB501

Item Code
11-100162

GAS DIFFUSER RB61

Item Code
11-100163

MB15 SWAN NECK

Product Code
11-100180

MB25 SWAN NECK

Product Code
11-100181

MB36 SWAN NECK

Product Code
11-100182

MB40 SWAN NECK

Product Code
11-100183

MB501 SWAN NECK

Product Code
11-100184

350A 4M TORCH EURO ADAPTOR

The 350A 4m Torch Euro Adaptor is a compact accessory that seamlessly connects welding torches to Euro-style connectors, facilitating efficient and versatile welding operations. With a sturdy build andconvenient design, it ensures reliable performance for various welding tasks.

Item Code
11-100500

500A 4M TORCH EURO ADAPTOR

The 500A 4m Torch Euro Adaptor is a robust connector designed to seamlessly attach welding torches to Euro-style fittings, enabling versatile and efficient welding operations. With its durable construction and user-friendly design, it ensures reliable performance for a wide range of welding tasks.

Item Code
11-100501

CONTACT TIP M6

Size (mm)	Item Code
1.0mm Pan type	11-100510
1.2mm Pan type	11-100511
1.4mm Pan type	11-100512

350A & 500A GAS NOZZLE

Product Variation	Item Code
350A	11-100520
500A	11-100530

350A & 500A GAS DIFFUSER

Product Variation	Item Code
350A	11-100521
500A	11-100531

350A & 500A INSULATOR

Product Variation	Item Code
350A	11-100522
500A	11-100532

350A & 500A CONTACT TIP HOLDER

Product Variation	Item Code
350A	11-100523
500A	11-100533

350A & 500A SWAN NECK

Product Variation	Item Code
350A	11-100524
500A	11-100534

TIG Welding Wire

TIG ER70S-6

TIG70S-6 is a copper coated solid wire for TIG welding process, weld with CO2 or Argon CO2 mix gas. Used in a wide range of structural steel, general fabrication. Good X-ray quality.

Classification:
AWS A5.18 ER70S-6

Chemical Composition (%)				
C	Mn	Si	S	P
0.08	1.50	0.9	0.02	0.02

Machanical Properties		
Tensile - 600 MPa	Yield - 420 MPa	Elongation - 24%

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100101
2.0	5kg	3-100102
2.4	5kg	3-100103
3.2	5kg	3-100104

STAINLUX ER316L

ER316L TIG filler wire is used for Mo bearing austenitic stainless steel with 1.5-3%Mo. 316/316L type stainless steel are widely used for good resistance of pitting, acid and general corrosion.

Classification:
AWS A5.9 ER316L

Chemical Composition (%)							
C	Mn	Si	Cr	Ni	Mo	S	P
0.01	1.4	0.5	19	13	2.5	0.01	0.015

Machanical Properties		
Tensile - 605 MPa	Yield - 465 MPa	Elongation - 35%

Size (mm)	Net Weight/Unit	Code
1.2	5kg	3-100300
1.6	5kg	3-100301
2.4	5kg	3-100303
3.2	5kg	3-100304

STAINLUX ER308L

ER308L TIG wire is used for welding 18/8 stainless steel include 301, 302, 303, 304. Mainly used in brewery, food, architectural and general fabrication.

Classification:
AWS A5.9 ER308L

Chemical Composition (%)							
C	Mn	Si	Cr	Ni	Mo	S	P
0.02	1.8	0.6	20	10	0.1	0.02	0.015

Machanical Properties		
Tensile - 605 MPa	Yield - 465 MPa	Elongation - 35%

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100305
2.4	5kg	3-100307

STAINLUX ER309L

ER309L TIG wire is used for welding in high dilution conditions, dissimilar weld, buffer layers.

Classification:
AWS A5.9 ER309L

Chemical Composition (%)						
C	Mn	Si	Cr	Ni	S	P
0.02	1.7	0.5	24	13	0.01	0.015

Machanical Properties		
Tensile - 590 MPa	Yield - 450 MPa	Elongation - 40%

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100310
2.4	5kg	3-100312

STAINLUX ER2209

STAINLUX ER2209 TIG wire is used to weld duplex stainless steel pipe, plate, fittings, having 50:50 austenite with ferrite matrix.

Application:
Offshore oil/gas, chemical process, pipework.

Classification:
AWS A5.9 ER2209

Chemical Composition (%)					
C	Mn	Si	Cr	Ni	Mo
0.015	1.6	0.5	23	8.2	3.2

Machanical Properties		
Tensile - 820 MPa	Yield - 660 MPa	Elongation - 32%

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100320
2.4	5kg	3-100321

ALUWELD 4043

ALUWELD 4043 is a 95% aluminium, 5% silicon welding wire suitable for welding heat treatable base alloys of the 6XXX series. Should be used zirconiated tungsten electrode with pure argon, can be used as oxy-fuel gas welding with aluminium flux. Application in the construction and automotive industry.

Classification:
AWS A5.10 ER4043

Chemical Composition (%)			
Si	Mg	Mn	Al
5%	0.05	0.05	Bal

Machanical Properties		
Tensile - 180 MPa	Yield - 120 MPa	Elongation - 8%

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100401
2.4	5kg	3-100402
3.2	5kg	3-100403

ALUWELD 5356

ALUWELD 5356 is a 95% aluminium, 5% magnesium welding wire suitable for general purpose welding of the 5XXX series alloys. Should be used with zirconiated tungsten electrode with pure argon, can be used as oxy-fuel gas welding with aluminium flux. Application in shipping, bulk container, railway, and automotive industry.

Classification:
AWS A5.10 ER5356

Chemical Composition (%)				
Mg	Mn	Si	Fe	Al
5%	0.15	0.20	0.35	Bal

Machanical Properties		
Tensile - 280 MPa	Yield - 130 MPa	Elongation - 18%

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100404
2.4	5kg	3-100405
3.2	5kg	3-100406

ALUWELD 4047

ALUWELD 4047 is a 11-13% silicon filler wire which has a lower melting point and higher fluidity than 4043, to increase silicon in weld metal. Should be used with zirconiated tungsten electrode with pure argon, can be used as oxy-fuel gas welding with aluminium flux. Application for brazing aluminium sheet, automotive component, body panel, heat exchanger, etc.

Melting Point - 570-590°C

Classification:
AWS A5.10 ER4047

Chemical Composition (%)				
Mg	Mn	Si	Fe	Al
0.03	0.12	12	0.35	Bal

Machanical Properties		
Tensile - 130 MPa	Yield - 60 MPa	Elongation - 5%

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100410
2.4	5kg	3-100411
3.2	5kg	3-100412

S211 SILICON BRONZE TIG

S211 Silicon Bronze is a pure copper filler wire with 3% silicon for welding wide range of copper alloys. Applications include wire for electrical components, tubes and heat exchanges, Tig brazing for automotive body panels.

Classification:
AWS A5.7 ERCuSi-A

Chemical Composition (%)		
Mg	Si	Cu
0.9%	3.0	Bal

Machanical Properties		
Tensile - 350 MPa	Elongation - 38%	Hardness - 80-90 HB

Size (mm)	Net Weight/Unit	Code
1.6	5kg	3-100504
2.4	5kg	3-100505
3.2	5kg	3-100506

CCR (R45) GAS ROD

CCR (R45) is a copper coated, low carbon oxy-fuel gas rod, widely used in general repairs for mild steel. Applications include exhaust pipes, hydraulic which thin plates to be joined.

Classification:
AR4WS A5.2 5

Chemical Composition (%)				
C	Mn	Si	S	P
0.08	0.05	0.10	0.02	0.02

Machanical Properties		
Tensile - 550 MPa	Yield - 360 MPa	Elongation - 22%

Size (mm)	Net Weight/Unit	Code
1.6	4kg	3-100631
2.4	4kg	3-100632
3.2	4kg	3-100633

TIG Torch & Accessories

WP-17V 4M

The WP-17V 4m welding torch is a versatile tool primarily utilized in TIG (Tungsten Inert Gas) welding processes. With a cable length of four meters, it provides ample reach and flexibility for various welding tasks. This torch is designed to deliver precise control and stability during welding operations, contributing to the production of high-quality welds. Its ergonomic design and durable construction make it suitable for both professional welders and hobbyists alike.

Technical Data	
Item Code	12-100090
Type of Cooling	Air-cooled
Gas	Argon
Rating	150A DC, 120A AC
Duty Cycle	35%
Tungsten Electrodes	0.5-2.4mm

WP-26V 4M

The WP-26V 4M welding torch is a robust tool designed for TIG (Tungsten Inert Gas) welding applications. Its four-meter cable length provides ample reach, allowing welders to maneuver comfortably around workpieces. This torch is engineered for versatility, offering precise control and stability during welding operations. Its ergonomic design enhances user comfort, while its durable construction ensures reliability even in demanding welding environments. Whether used by professional welders or hobbyists, the WP-26V 4M torch delivers consistent performance and high-quality welds.

Technical Data	
Item Code	12-100091
Type of Cooling	Air-cooled
Gas	Argon
Rating	200A DC, 160A AC
Duty Cycle	35%
Tungsten Electrodes	0.5-4.0mm

WP-26V 8M

The WP-26V 8M welding torch is a robust tool tailored for TIG (Tungsten Inert Gas) welding tasks, equipped with an extended eight-meter cable length. This extra length enhances maneuverability and flexibility around large work pieces or in hard-to-reach areas, making it suitable for various welding applications. Designed for durability and precision, this torch offers reliable performance and consistent weld quality, catering to the needs of professional welders and enthusiasts alike.

Technical Data	
Item Code	12-100092
Type of Cooling	Air-cooled
Gas	Argon
Rating	200A DC, 160A AC
Duty Cycle	35%
Tungsten Electrodes	0.5-4.0mm

WP-18V 8M

The WP-18V 8M welding torch is a durable tool designed for TIG (Tungsten Inert Gas) welding, featuring an extended eight-meter cable length. This extra length allows for increased maneuverability and accessibility, particularly useful for welding larger workpieces or in confined spaces. With a focus on precision and reliability, the WP-18V 8M torch ensures consistent weld quality, making it suitable for both professional welders and hobbyists seeking versatile and high-performance welding equipment.

Technical Data	
Item Code	12-100093
Type of Cooling	Water-cooled
Gas	Argon
Rating	350A DC, 250A AC
Duty Cycle	100%
Tungsten Electrodes	0.5-2.4mm
Min. Water Flow	1.5L/min
Gas Flow	7.20L/min

TORCH BODY

The Torch Body is a key component of a TIG (Tungsten Inert Gas) welding torch, providing the structural framework and connection points for various other torch components.

Product Variation	Item Code
17V	12-100110
26V	12-100111

BACK CAP (LONG) 57Y02

Item Code
12-100112

BACK CAP (SHORT) 57Y04

Item Code
12-100113

ALUMINA 10N46 NO 8 CERAMIC

To be used with WP17V / WP26V torch.

Item Code
12-100120

ALUMINA 10N47 NO 7 CERAMIC

To be used with WP17V / WP26V torch.

Item Code
12-100121

ALUMINA 10N48 NO 6 CERAMIC

To be used with WP17V / WP26V torch.

Item Code
12-100122

ALUMINA 10N49 NO 5 CERAMIC

To be used with WP17V / WP26V torch.

Item Code
12-100123

ALUMINA 10N50 NO 4 CERAMIC

To be used with WP17V / WP26V torch.

Item Code
12-100124

CERAMIC GAS LENS NO 8 54N14

To be used with WP26V torch.

Item Code
12-100125

CERAMIC GAS LENS NO 7 54N15

To be used with WP26V torch.

Item Code
12-100126

CERAMIC GAS LENS NO 6 54N16

To be used with WP26V torch.

Item Code
12-100127

COLLETS

To be used with WP17V / WP26V / WP18V torch.

Size (mm)	Item Code
1.6mm 10N23	12-100130
2.4mm 10N24	12-100131
3.2mm 10N25	12-100132

COLLET BODY

To be used with WP17V / WP26V / WP18V torch.

Size (mm)	Item Code
1.6mm 10N31	12-100135
2.4mm 10N32	12-100136
3.2mm 10N28	12-100137

GAS LENS COLLET BODY

45V26 2.4mm

Item Code
12-100140

TUNGSTEN ELECTRODE 2% THORIATED

A tungsten electrode with 2% thoriated content is favored in TIG welding for its enhanced conductivity, arc stability, and longevity. It's ideal for welding high-heat metals like stainless steel and nickel alloys, offering consistent performance across various conditions.

Item Code	
1.6 x 150mm	12-100150
2.4 x 150mm	12-100151
3.2 x 150mm	12-100152

TUNGSTEN ELECTRODE ZIRCONIATED

Zirconiated tungsten electrodes, containing zirconium, are commonly used in TIG welding for their resistance to contamination, improved arc stability, and longevity. Ideal for precise and clean welds, they excel in welding aluminum and magnesium alloys, maintaining stability at lower temperatures.

Item Code	
1.6 x 150mm	12-100155
2.4 x 150mm	12-100156
3.2 x 150mm	12-100157

Brazing Wire & Flux

S222 BRONZE BRAZING ROD

A widely used low fuming brazing and bronze welding rod depositing metal which has good tensile strength, this versatile brazing rod is ideally suited for ¥sheet metal work such as motor body, as well as for copper and cast iron brazing.

Melting Range - 860°C-890°C

Classification:
AWS A5.27 RB CuZn-C

Chemical Composition (%)					
Cu	Mn	Si	Fe	Tin	Zn
60	0.3	0.15	0.8	0.9	Bal

Machanical Properties	
Tensile - 460 MPa	Hardness - 125 HB

Size (mm)	Net Weight/Spool	Code
1.6 X 1000	10kg	5-100101
2.0 X 1000	10kg	5-100102
3.0 X 1000	10kg	5-100103

S222F FLUX COATED BRONZE BRAZING ROD

A general all-purpose flux coated bronze alloy used for bronze welding and brazing copper, cast iron, sheet metal. The low fuming brass rod is fast flowing and leaves minimal flux residue.

Melting Range - 860°C-890°C

Classification:
AWS A5.27 RB CuZn-C

Chemical Composition (%)					
Cu	Mn	Si	Fe	Tin	Zn
60	0.3	0.15	0.8	0.9	Bal

Machanical Properties	
Tensile - 460 MPa	Hardness - 125 HB

Size (mm)	Net Weight/Spool	Code
2.0 X 500	5kg	5-100106
3.0 X 500	5kg	5-100107

SILVERBRAZE 20

A general purpose, cadmium-free silver brazing alloy, exhibits moderate ductility and slightly higher melting temperature than higher percentage of silver. Mainly used to braze copper and mild steel.

Melting Range - 690°C - 770°C

Classification: DIN L-Ag20

Chemical Composition (%)		
Ag	Cu	Zn
20	40	34

Machanical Properties
Tensile - 470 MPa

Size (mm)	Net Weight / Unit	Code
1.5 X500	1kg	5-100200

SILVERBRAZE 30

A general purpose, cadmium-free silver brazing alloy with good flow and good fillet forming quality. It produces high strength and ductile joints. Mainly used to braze copper and mild steel.

Melting Range - 670°C - 730°C

Classification:
DIN L-Ag30

Chemical Composition (%)		
Ag	Cu	Zn
30	38	32

Machanical Properties
Tensile - 505 MPa

Size (mm)	Net Weight / Unit	Code
1.5 X500	1kg	5-100201

SILVERBRAZE 20F

A white flux coated, general purpose, cadmium-free silver brazing alloy, exhibits moderate ductility and slightly higher melting temperature than higher percentage of silver. Mainly used to braze copper and mild steel.

Melting Range - 690°C-770°C

Classification:
DIN L Ag20

Chemical Composition (%)		
Ag	Cu	Zn
20	40	35

Machanical Properties
Tensile - 470 MPa

Size (mm)	Net Weight/Spool	Code
1.5 X 500	1kg	5-100210

SILVERBRAZE 30F

A light blue coated, general purpose, cadmium-free silver brazing alloy with good flow and good fillet forming quality. It produces high strength and ductile joints. Mainly used to braze copper and mild steel.

Melting Range - 670°C-730°C

Classification:
DIN L-Ag30 / BS Ag16

Chemical Composition (%)		
Ag	Cu	Zn
30	38	34

Machanical Properties
Tensile - 480 MPa

Size(mm)	Net Weight/Unit	Code
1.5 X 500	1kg	5-100211

SILVERBRAZE 40F

A yellow coated, general purpose, cadmium-free silver brazing alloy with higher strength, good flowing at lower temperature. Mainly used to braze copper and mild steel.

Melting Range - 650°C - 710°C

Classification:
DIN L-Ag40 / BS Ag20

Chemical Composition (%)		
Ag	Cu	Zn
40	30	28

Machanical Properties
Tensile - 500 MPa

Size (mm)	Net Weight / Unit	Code
1.5 X500	1kg	5-100212

SILVERBRAZE MINI PACK

MINI PAK is a low cost, convenient 6 sticks package for economic usage. Range includes Silverbraze 20F, Silverbraze 30F and Silverbraze 40F.

Type	Sticks / Unit	Code
20F	6	5-100215
30F	6	5-100216
40F	6	5-100217

COPPERBRAZE 1

Copperbraze 1 are a self-fluxing alloy that are recommended for brazing of copper to copper. Not suggested to braze nickel alloy or on ferrous materials due to the brittleness, and excessive vibration or movement. Copperbraze 1 is in a square shape for easy handling.

Melting Range - 710°C-800°C

Classification:
DIN 8513L-Cu7P

Chemical Composition (%)		
Ag	Cu	P
0	92.9	7.1

Size (mm)	Net Weight/Unit	Code
2.0 X 500	1kg	5-100300
3.0 X 500	1kg	5-100301

COPPERBRAZE 2

Copperbraze 2 are a self-fluxing alloy, containing 2%Ag, are recommended for brazing of copper to copper. The silver content possess greater ductility, can be used where significant vibration or movement. Copperbraze 2 is in a square shape for easy handling.

Melting Range - 645°C-740°C

Classification:
DIN 8513 L-Ag2

Chemical Composition (%)		
Ag	Cu	P
2	91	7

Size (mm)	Net Weight/Unit	Code
2.0 X 500	1kg	5-100302
3.0 X 500	1kg	5-100303

BRONZE BRAZING FLUX

Bronze Brazing Flux is a white powdered flux with a melting point of 800°C, its recommended for use of brazing mild steel, copper, cast iron with Pinnacle S222 brazing rod.

50g/jar prepack available

Packing	Code
500g /Jar	S-100110

SILVER SOLDER FLUX

Silver Solder Flux is a white powdered flux wit a melting point between 550-800°C, its recommended to use with Pinnacle Silverbraze 20, or Silverbraze 30 on all metals other than aluminium, magnesium or titanium.

50g/jar prepack available

Packing	Code
250g /Jar	S-100111

ALUMINIUM BRAZING FLUX

Aluminium Brazing Flux is a white powdered flux with a melting point of 550°C, use with filler rod of 4047 aluminium brazing alloy.

50g/jar prepack available

Packing	Code
250g /Jar	S-100112

Gas Cutting & Welding

WELDING & CUTTING OUTFIT

Capacity:
- Cut up to 150mm, welds up to 9mm steel

Features:
- Brass & Stainless Steel Construction.
- Torch handle with 2 stainless steel needle valves for fast, accurate flame adjustment.
- Forged and extruded brass for durability.
- Plastic toolbox package.
- Includes wrench.

***Complete outfit contents**

Conform to:
EN ISO 5172

Code	Torch Handle	Cutting Attach.	Mixer	Oxygen Reg.	Acetylene Reg.	Flint Lighter	Nozzle Cleaner	Swaged Nozzle	Swaged Nozzle	Swaged Nozzle	Twin Hose	Goggle
10-100110	✓	✓	✓	✓	✓	✓	✓	3	5	7	✗	✗

***Flash back arrestor optional**

WELDING & CUTTING OUTFIT FOR PORTPAK

Capacity:
- Cut up to 50mm, welds up to 6mm steel.

Features:
- Brass & Stainless Steel Construction.
- Regulators with safety relief valve for safe operation.
- Forged and extruded brass for durability.
- Chrome plated cutting attachment.
- Easy to carry Aluminium box.

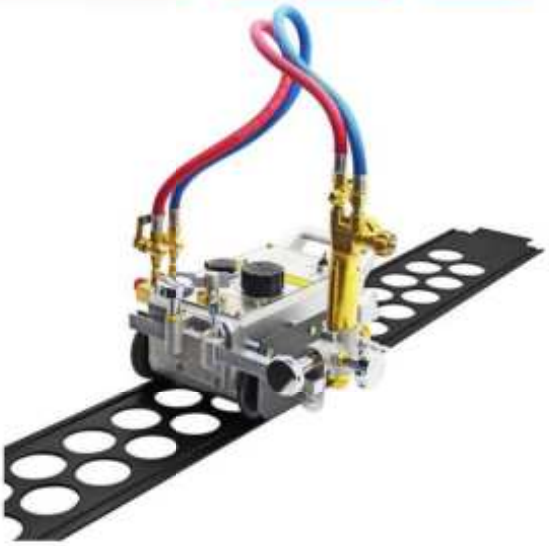
***Complete outfit contents**

Conform to:
EN ISO 5172

Code	Torch Handle	Cutting Attach.	Oxygen Reg.	Acetylene Reg.	Nozzle Cleaner	AFN Nozzle	Brazing Nozzle
10-100109	✓	✓	✓	✓	✓	2	2

***Flash back arrestor optional**

PORTABLE STRAIGHT LINE GAS CUTTER



Capacity:
- Cut up between 6-100mm, depending on Nozzle.

Features:
- Brass & Stainless Steel Construction.
- Control panel with integrated wheel brake, forward and backward, cutting speed adjustment.
- Angle adjustment scale, can adjust the cutting head angle.
- The front end of the cutting machine is designed with a hand grip.
- Cutting speed: 150mm - 800mm/min.
- Cutting angle: 0 - 45°

Portable & Economical: Small in size, light weight, easy to carry.
Compared with other cutting methods, the cost use is low with good results.

Circular orbit can also be selected according to their own needs.

SINGLE STAGE OXYGEN REGULATOR

- Single stage construction.
- Forged brass body & bonnet for maximum strength.
- Neoprene diaphragms.
- No soldier joints for easy maintenance.
- Safety relief valve is standard.

Conform to:
EN2503

Code	10-100160
Inlet Pressure	0-28Bar
Working Pressure	0-2Bar
Flow Rate	80L / min

SINGLE STAGE ACETYLENE REGULATOR

- Single stage construction.
- Forged brass body & bonnet for maximum strength.
- Neoprene diaphragms.
- No soldier joints for easy maintenance.
- Safety relief valve is standard.

Conform to:
EN2503

Code	10-100161
Inlet Pressure	0-28Bar
Working Pressure	0-2Bar
Flow Rate	80L / min

MULTI STAGE OXYGEN REGULATOR

- Double stage construction.
- Forged brass body & bonnet for maximum strength.
- Neoprene diaphragms.
- First Stage reduce fill cylinder pressure by +/- 90%.
- Safety relief valve is standard.

Conform to:
EN2503

Code	10-100162
Inlet Pressure	0-315Bar
Working Pressure	0-14Bar
Flow Rate	650L / min

MULTI STAGE ACETYLENE REGULATOR

- Double stage construction.
- Forged brass body & bonnet for maximum strength.
- Neoprene diaphragms.
- First Stage reduce fill cylinder pressure by +/- 90%.
- Safety relief valve is standard.

Conform to:
EN2503

Code	10-100163
Inlet Pressure	0-315Bar
Working Pressure	0-14Bar
Flow Rate	650L / min

ARGON FLOWMETER

- Single stage construction
- Forged brass body & bonnet for maximum strength
- Neoprene diaphragms
- Accurate regulator for gas flow
- MIG/TIG welding application

Conform to:
EN2503

Code	10-100166
Inlet Pressure	0-315Bar
Working Pressure	Preset
Flow Rate	1-25L / min

LPG REGULATOR WITH GAUGE

- Single stage construction
- Forged brass body & bonnet for maximum strength
- No soldier joints for easy maintenance
- Safety relief valve is standard

Conform to:
EN2503

Code	10-100170A
Inlet Pressure	0-28Bar
Working Pressure	0-2Bar
Flow Rate	80L / min

CUTTING TORCH PREMIUM RED HANDLE

- British type.
- Heavy duty cutting up to 300mm steel.
- Stainless steel tube for greater heat resistance.
- Stainless steel red coated handle.
- Use ANM, ANME, PNM, PMME nozzle.

Conform to:
EN5172

Code	10-100115A
Length	500mm
90°Head	

UNIVERSAL CUTTING TORCH

- British type.
- Heavy duty cutting up to 300mm steel.
- Stainless steel tube for greater heat resistance.
- Die forged brass head for durability and strength.
- Brass handle.
- Use ANM, ANME, PNM, PMME nozzle.

Conform to:
EN5172

Code	10-100155
Length	500mm
90°Head	

CUTTING ATTACHMENT

- British type.
- Cuts up to 200mm steel.
- Stainless steel tubes for strength.
- Forged brass head and body.
- Press lever for easy cutting use.
- Use with ANM, ANME, PNM, PNME nozzle.

Conform to:
EN5172

Item Code
10-100126
90°Head

BOC TYPE SHANK TORCH HANDLE

- BOC type.
- Quality construction.
- Comfortable grip.
- Versatile use.

Conform to:
EN5172

Item Code
10-100125

OXYGEN, ACETYLENE GAS HOSE

The construction of pinnacle gas hose:
- Liner: black NR/SBR.
- Reinforcing: woven polyester yarn.
- Cover: red/blue UV resistant NR/SBR.
- Temperature range: 20°-90°.

Code	Bore	OD	Wall Thickness	Burst Pressure	Packaging
10-100185 Oxygen	8 mm	+/- 16.3mm	4.1mm	7000 kpa	100m/roll
10-100186 Acetylene	8 mm	+/- 16.3mm	4.1mm	7000 kpa	100m/roll

ORANGE LPG GAS HOSE

- Low pressure applications for catering, heating.
- Max pressure 1750 kpa.
- Durable SBR construction.
- High UV resistant.

Code	Bore	OD	Wall Thickness	Burst Pressure	Packaging
10-100187	8 mm	+/- 16.3mm	4.1mm	7000 kpa	100m/roll

PARALLEL HOSE CLAMP 8MM

Item Code
10-100190

OETIKER HOSE CLAMP

Size	Item Code
13 X 15mm	10-100191
15 X 18mm	10-100192

HOSE ASSEMBLY 10M

Type	Item Code
Oxygen	10-100195
Acetylene	10-100196

HOSE KIT 3/8" BSP

Direction	Item Code
RH	10-100193
LH	10-100194

G6 HOSE CLAMP

Size	Item Code
8-12mm	17-GRH240A
10-16mm	17-GRH240B
13-19mm	17-GRH240C
16-25mm	17-GRH240D

ANM CUTTING NOZZLE

- Use with pinnacle universal cutting torch & cutting attachment.
- Use with oxygen & acetylene gases.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
ANM 0.8 (1/32")	10-100200	3-6	1.5	0.5	75
ANM 1.2 (3/64")	10-100201	6-12	2.0	0.5	75
ANM 1.6 (1/16")	10-100202	12-75	2.5	1.0	75
ANM 2.0 (5/64")	10-100203	75-100	3.0	1.0	75
ANM 2.4 (3/32")	10-100204	100-150	3.5	1.5	75
ANM 3.2 (1/8")	10-100205	150-300	4.0	1.5	75

ANME CUTTING NOZZLE

- Use with pinnacle universal cutting torch & cutting attachment.
- Use with oxygen & acetylene gases.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
ANME 0.8 (1/32")	10-100210	3-6	1.5	0.5	88
ANME 1.2 (3/64")	10-100211	6-12	2.0	0.5	88
ANME 1.6 (1/16")	10-100212	12-75	2.5	1.0	88
ANME 2.0 (5/64")	10-100213	75-100	3.0	1.0	88
ANME 2.4 (3/32")	10-100214	100-150	3.5	1.5	88
ANME 3.2 (1/8")	10-100215	150-300	4.0	1.5	88

PNM CUTTING NOZZLE

- Use with pinnacle universal cutting torch & cutting attachment.
- Use with oxygen & LPG gases.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
PNM 0.8 (1/32")	10-100300	3-6	1.5	0.5	75
PNM 1.2 (3/64")	10-100301	6-12	2.0	0.5	75
PNM 1.6 (1/16")	10-100302	12-75	2.5	1.0	75
PNM 2.0 (5/64")	10-100303	75-100	3.0	1.0	75
PNM 2.4 (3/32")	10-100304	100-150	3.5	1.5	75
PNM 3.2 (1/8")	10-100305	150-300	4.0	1.5	75

PNME CUTTING NOZZLE

- Use with pinnacle universal cutting torch & cutting attachment.
- Use with oxygen & LPG gases.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
PNME 0.8 (1/32")	10-100310	3-6	1.5	0.5	92
PNME 1.2 (3/64")	10-100311	6-12	2.0	0.5	92
PNME 1.6 (1/16")	10-100312	12-75	2.5	1.0	92
PNME 2.0 (5/64")	10-100313	75-100	3.0	1.0	92
PNME 2.4 (3/32")	10-100314	100-150	3.5	1.5	92
PNME 3.2 (1/8")	10-100315	150-300	4.0	1.5	92

6290-NX CUTTING NOZZLE (Harris style)

- Use with Harris type 62 series torch.
- Use with oxygen & LPG gases.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
000NX	10-100348	1-5	1.5	0.5	75
00NX	10-100349	5-10	2.0	0.5	75
0NX	10-100350	10-15	2.5	1.0	75
1NX	10-100351	15-25	3.0	1.0	75
2NX	10-100352	25-50	3.5	1.5	75
3NX	10-100353	50-100	4.0	1.5	75
4NX	10-100354	100-150	4.0	1.5	75
5NX	10-100355	150-200	4.0	1.5	75

2890-F CUTTING NOZZLE (Harris style)

- Use with Harris type 2800L series torch.
- Use with oxygen & acetylene gases.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
0F	10-100360	0-3	1.0-1.5	0.2	78
1F	10-100361	3-10	1.0-1.5	0.2	78
2F	10-100362	10-50	1.5-2.5	0.3	78
3F	10-100363	50-100	3.0-4.5	0.5	78
4F	10-100364	100-125	5.0-5.5	0.7	78
5F	10-100365	125-150	5.5-6.0	0.7	78

AFN CUTTING NOZZLE

- Use with Afrox type portapak cutting attachment.
- Use with oxygen & acetylene gases.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
AFN-1	10-100370	1-3	1.0	0.5	51
AFN-2	10-100371	3-8	1.5	0.5	51
AFN-3	10-100372	8-20	2.0	0.5	51

SWAGED WELDING NOZZLE

- Use with Pinnacle British type torch handle 10-100125.
- Use with Pinnacle mixer 10-100130.

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
3	10-100150	2.0	1.0	0.15	92
5	10-100151	2.6	1.0	0.15	92
7	10-100152	3.2	1.0	0.15	92

FLASH BACK ARRESTER

-Non-return valve designed to prevent reverse flow and mixing oxygen and fuel gases accidentally.

Gas	Code	Use With	Max Flow L/H	Inlet	Outlet
Oxygen	10-100175	Torch	7000	BSP 3/8" RH	BSP 3/8" RH
Acetylene	10-100176	Torch	2600	BSP 3/8" LH	BSP 3/8" LH
Oxygen	10-100177	Regulator	7000	BSP 3/8" RH	BSP 3/8" RH
Acetylene	10-100178	Regulator	2600	BSP 3/8" LH	BSP 3/8" LH

LPG HEATING NOZZLE

Type	Code	Gas Consumption (kg/h)				
		Heat Output (KJ)	Oxygen Low	Oxygen High	LPG Low	LPG High
2H	10-100139	108,000 198,000	6.37	11.54	2.36	4.14
3H	10-100140	193,000 380,000	11.01	21.88	4.14	8.08
4H	10-100141	249,000 428,000	14.06	24.66	5.32	9.06
5H	10-100142	265,000 652,000	16.84	37.13	6.31	13.79

MIXER

Item Code
10-100130

HIGH PRESSURE MIXER TYPE 2

Item Code
10-100131

NOZZLE CLEANER

Item Code
10-100103

REPLACEMENT FOR FLINT LIGHTER

Item Code
10-100102

FLINT LIGHTER

Item Code
10-100101

STAINLESS LANCE TUBE

Size	Item Code
600mm	10-100132
1000mm	10-100133

SINGLE GAS TROLLEY

Item Code
10-100111

DOUBLE GAS TROLLEY

Item Code
10-100112

LPG GAS TROLLEY

Item Code
10-100113

OXYGEN - LPG GAS TROLLEY

Item Code
10-100114

RED DEVIL LPG REG. HIGH PRESSURE

Item Code
10-100171

LOW PRESSURE LPG REGULATOR

Item Code
10-100170

Y PIECE

Type	Item Code
Oxygen	10-100179
Acetylene	10-100180

INLET STEM (BULL NOSE)

Item Code
10-100400

BULL NOSE NUT

Type	Item Code
Oxygen RH	10-100401
Acetylene LH	10-100402

TAIL PIECE 8 MM 3/8"

Item Code
10-100405

TAIL NUT 3/8"

Type	Item Code
Oxygen RH	10-100403
Acetylene LH	10-100404

NOZZLE NUT

*Use with universal cutting torch

Item Code
10-100406

TAIL PIECE 8MM 9/16"

Item Code
10-100412

TAIL NUT 9/16"

Type	Item Code
Oxygen RH	10-100410
Acetylene LH	10-100411

BLOW TORCH MANNUAL

Item Code
10-100601

BLOW TORCH AUTOMATIC

Item Code
10-100602

GAS CARTRIDGE 190 PIERCEABLE

Item Code
10-100603

BLOW TORCH KIT (AUTO)

Item Code
10-100600

LPG HEATING TORCH 800-1000MM

Size	Item Code
800mm	10-100610A
1000mm	10-100610B

HOSE SET FOR HEAT TORCH + FITTING

Item Code
10-100610C

Plasma Torch & Accessories

PT31 - 5M

The PT31 - 5m welding torch provides ample reach and flexibility for welding tasks in diverse environments. With its ergonomic design and durable construction, this torch offers comfortable handling and reliable performance, making it suitable for a wide range of welding applications across industries.

Technical Data	
Item Code	14-100090
Rating	40A
Duty Cycle	60%
Cutting Capacity	12mm mild steel
Air Pressure	0.35-0.45 Mpa

PT31 CUTTING TIP SHORT

Item Code
14-100102

PT31 ELECTRODE SHORT

Item Code
14-100103

PT31 CUTTING TIP LONG

Item Code
14-100104

PT31 ELECTRODE LONG

Item Code
14-100105

PT31 GAS DIFFUSER

Item Code
14-100106

PT31 GAS SHIELD CUP

Item Code
14-100107

P60 (SG55) - 5M

The P60 (SG55) - 5M is renowned for its durability and reliability in various welding applications. With its ergonomic design and efficient performance, this torch ensures precise and effective welding, making it a preferred choice for professionals across industries.

Technical Data	
Item Code	14-100190
Rating	60A
Duty Cycle	60%
Cutting Capacity	22mm mild steel
Air Pressure	0.35-0.45 Mpa

P60 ELECTRODE

Item Code
14-100201

P60 NOZZLE (TIP)

Item Code
14-100202

P60 SHIELD CUP

Item Code
14-100203

P60 SPACE GUIDE

Item Code
14-100204

P80 - 5m

The P80 - 5m welding torch stands out as a robust and dependable tool, boasting a generous five-meter cable length that offers extended reach and flexibility for welding tasks across various industries. Engineered with a focus on durability and precision, this torch is meticulously crafted to withstand the rigors of professional welding environments while delivering consistent and reliable performance. Its ergonomic design ensures comfortable handling, making it an indispensable choice for welders seeking superior quality and efficiency in their welding operations.

Technical Data	
Item Code	14-100290
Rating	80A
Duty Cycle	60%
Cutting Capacity	35mm mild steel
Air Pressure	0.35-0.45 Mpa

P80 ELECTRODE

Item Code
14-100301

P80 NOZZLE TIP

Item Code
14-100302

P80 SHIELD CUP

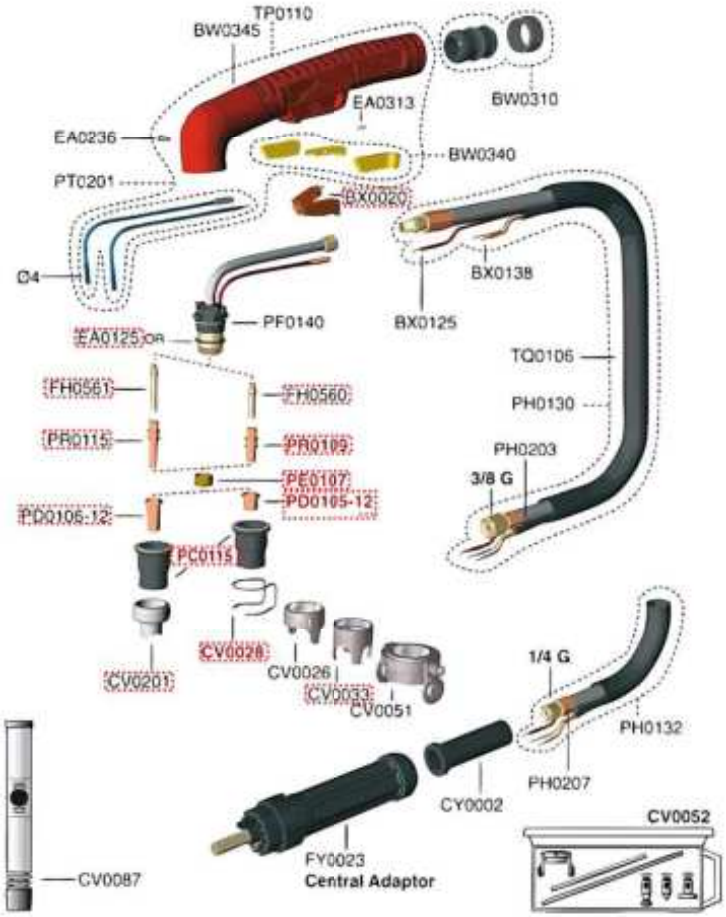
Item Code
14-100303

P80 SITE WHEEL

Item Code
14-100304

A81 SPARES

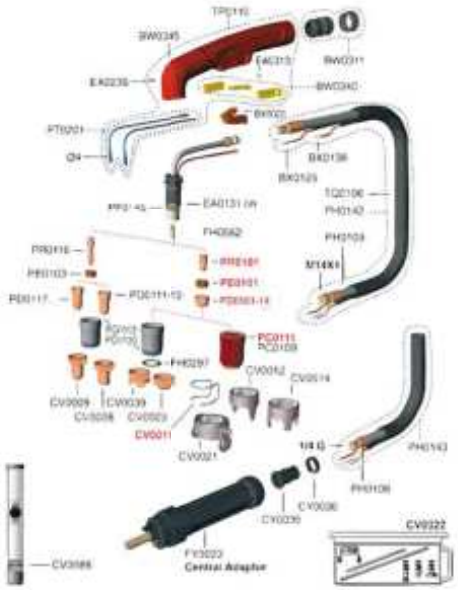
Trafimet Type A81



Description	Item Code
Trigger	14-BX0020
Stand Off Guide	14-CV0028
Four Pins Crown Shield	14-CV0033
Long Contact Cutting Attachment	14-CV0201
Diffuser	14-FH0560
Long Diffuser	14-FH0561
Outside Nozzle A81	14-PC0115
Tip 1.0 A81	14-PD0105-10
Tip 1.2 A81	14-PD0105-12
Long Tip 1.2 A81	14-PD0106-12
Air Diffuser A81	14-PE0107
Long Life Electrode A81	14-PR0109
Long Life Electrode A81 New Type	14-PR0115
O-Ring	14-EA0125

A101 SPARES

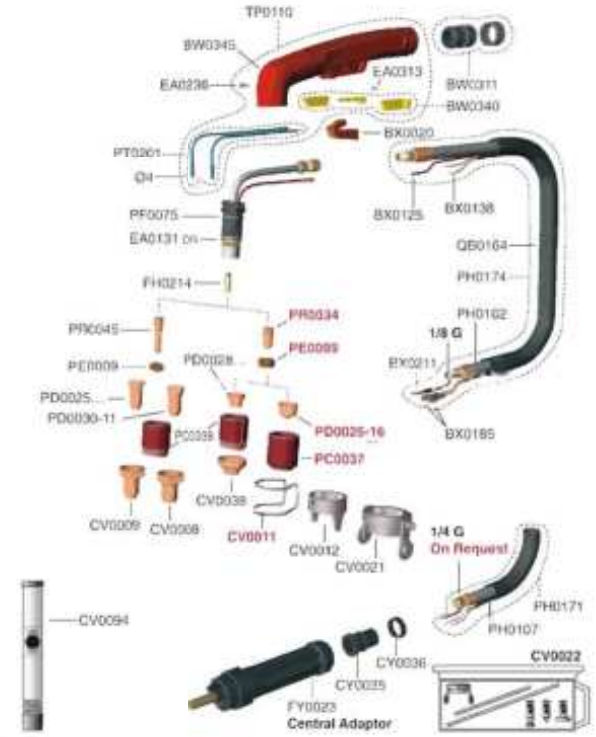
Trafimet Type A101



Description	Item Code
Contact Cutting Attachment	14-CV0008
Long Contact Cutting Attachment	14-CV0009
Stand Off Guide	14-CV0011
Two Pins Crown Shield	14-CV0012
Four Pins Crown Shield With Insulator	14-CV0014
Carriage A101	14-CV0021
Contact Cutting Attachment	14-CV0023
Four Pins Crown Shield with Insulator	14-CV0039
O-Ring	14-EA0131
Diffuser	14-FH0562
Outside Nozzle A101	14-PC0109
Heavy Duty Nozzle A101	14-PC0111
Contact Cutting Nozzle A101	14-PC0113
Contact Cutting Nozzle Long Life A101	14-PC0130
Tip 1.1 A101/A141	14-PD0101-11
Tip 1.4 A101/A141	14-PD0101-14
Tip 1.7 A101/A141	14-PD0101-17
Long Tip A101/A141	14-PD0111
Long Tip 1.4 A101/A141	14-PD0117-14
Long Tip 1.7 A101/A141	14-PD0117-17
Long Tip 1.9 A101/A141	14-PD0117-19
Air Diffuser A101/A141	14-PE0101
Air Diffuser A151	14-PE103
Electrode A101	14-PR0101
Long Electrode A101	14-PR0116

A141 SPARES

Trafimet A141



Description	Item Code
Stand Off Guide	14-CV0011
Two Pins Crown Shield	14-CV0012
Gouging Shield	14-CV0013
Four Pins Crown Shield With Insulator	14-CV0014
Contact Cutting Attachment	14-CV0023
Four Pins Crown Shield With Insulator	14-CV0039
O-Ring	14-EA0131
Diffuser	14-FH563
Heavy Duty Nozzle A141	14-PC0102
Contact Cutting Nozzle A141	14-PD0103
Tip 1.4 A101/A141	14-PD0101-14
Tip 1.7 A101/A141	14-PD0101-17
Tip 1.9 A101/A141	14-PD0101-19
Long Tip 1.4 A101/A141	14-PD0117-14
Long Tip 1.7 A101/A141	14-PD0117-17
Long Tip 1.9 A101/A141	14-PD0117-19
Long Tip A101/A141	14-PD0111
Air Diffuser A101/A141	14-PE0101
Air Diffuser A151	14-PE0103

Sub ARC Wire & Flux

EM12K

EM12K is a copper coated low carbon, medium manganese wire for joining C/Mn steel. Its widely used in structural steel work, shipbuilding, pressure vessel. The wire is suitable for both single-pass and multi-pass for welding butt and fillet joints where higher mechanical properties are required.

Classification:
AWS A5.17 EM12K

Chemical Composition (%)				
C	Mn	Si	P	S
0.10	1.0	0.15	0.01	0.02

Size (mm)	Net Weight/Spool	Item Code
2.4	25kg	3-100601
3.2	25kg	3-100602
4.0	25kg	3-100603
5.0	25kg	3-100604
2.4	+-300kg drum	3-100605
3.2	+-300kg drum	3-100606

SJ501 FLUX

Sj501 is an agglomerated flux with Mn and Si additions, a versatile flux with excellent weldability and easy slag removal, highly resistant to cracks and porosity. SJ501 is ideal for one-sided and double-sided welding. Its recommended for welding gas bottles, truck wheels, structural steel, mining wheels, boiler making ETC. Welding with damp flux can cause porosity, re-dry flux approximately 2 hours at 300°C before welding.

Classification:
AWS A5.17 F7A2-EM12K

Chemical Composition (%)			
SiO_2+TiO_2	Al_2O_3+MnO	CaF_2	S
30	55	7	≤0.03

Machanical Properties		
Tensile - 520 MPa	Yield - 430 MPa	Elongation - 29%

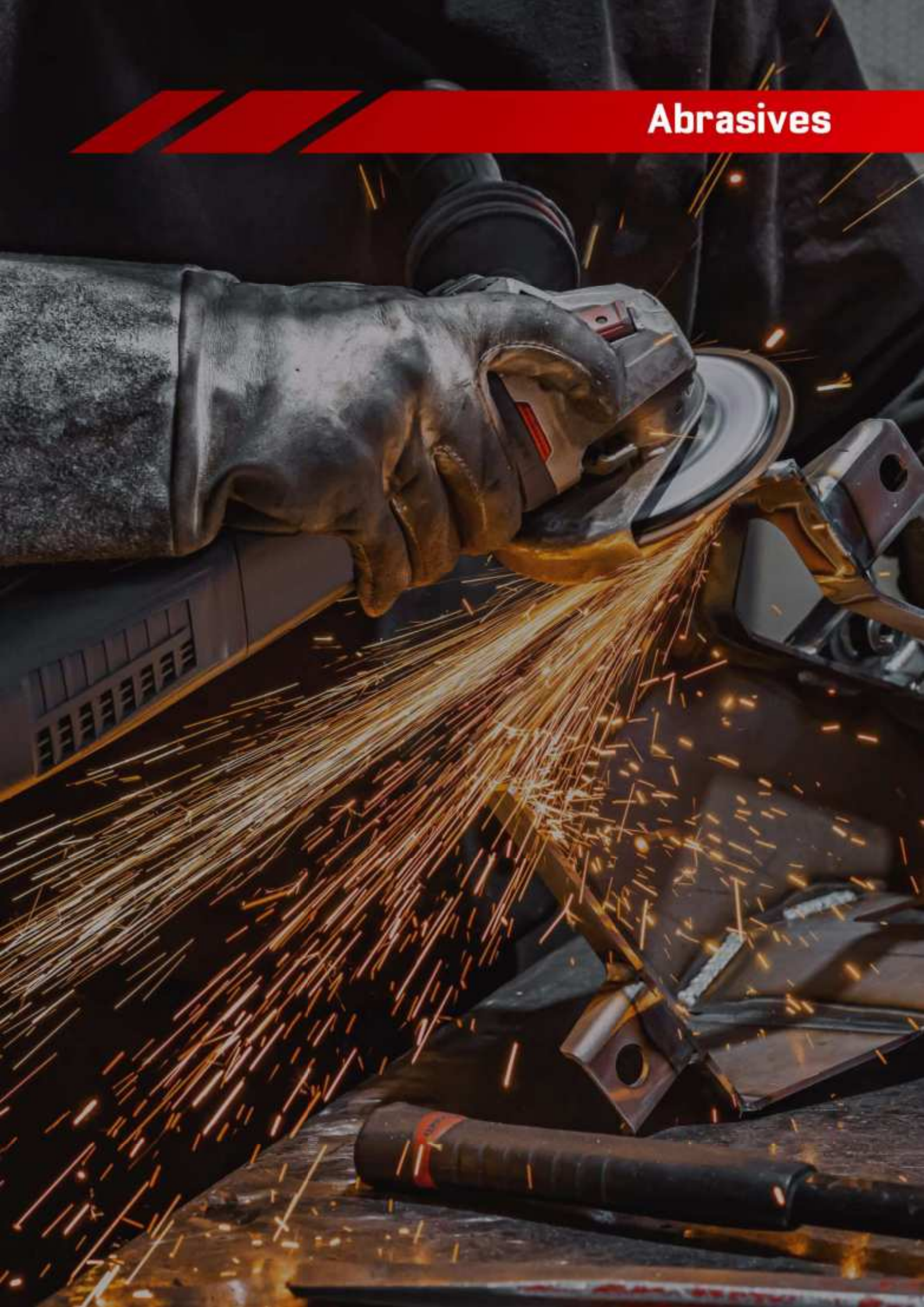
Net Weight/Unit	Item Code
25kg	3-100621

GOUGING CARBON

Pinnacle gouging carbon is designed for air carbon gouging metal removal process, contain a precise blend of carbon and graphite that produce the most efficient metal removal performance.

Size (mm)	Type	Item Code
5.0	non-joint	4-100100
6.5	non-joint	4-100101
8.0	non-joint	4-100102
9.0	non-joint	4-100103

Abrasives



ABRASIVES

STEEL CUTTING DISCS

Size	Item Code
115 x 1.0 x 22.2mm	15-100101
115 x 3.2 x 22.2mm	15-100102
230 x 1.9 x 22.2mm Slim	15-1001042
230 x 3.2 x 22.2mm	15-100104
230 x 3.2 x 22.2mm Depressed Center	15-1001041
350 x 3.2 x 25.4mm	15-100105
400 x 3.2 x 25.4mm	15-100106

GRINDING DISCS

Size	Item Code
115 x 6.0 x 22.2mm	15-100301
230 x 6. x 22.2mm	15-100302

ALUMINIUM OXIDE FLAP WHEEL DISCS

Size	Item Code
115 x 40 Grit	15-100401
115 x 60 Grit	15-100402
115 x 80 Grit	15-100403
115 x 120 Grit	15-100404

ZIRCONIUM FLAP WHEEL DISCS

Size	Item Code
115 x 40 Grit	15-100430
115 x 60 Grit	15-100431
115 x 80 Grit	15-100432
115 x 120 Grit	15-100433

SEGMENTED DIAMOND BLADE

Size	Item Code
115mm	15-100500
230mm	15-100501

DIY Retail Solutions

WELDING CONSUMABLES

Code	Description	Qty/Pack
TEC0001	Retail Pack Mild Steel 6013 2.0mm	12
TEC0002	Retail Pack Mild Steel 6013 2.5mm	10
TEC0003	Retail Pack Mild Steel 6013 3.0mm	8
TEC0004	Retail Pack Low Hydrogen E7018-1 2.5mm	8
TEC0005	Retail Pack Stainless Steel 316l 2.5mm	8
TEC0006	Retail Pack Stainless Steel 316l 3.2mm	6
TEC0007	Retail Pack Dissimilar Steel 312 2.5mm	6
TEC0008	Retail Pack Dissimilar Steel 312 3.2mm	4
TEC0009	Retail Pack Cast Iron 55 2.5mm	6
TEC0010	Retail Pack Cast Iron 55 3.2mm	4
TEC0011	Retail Pack Gouging 3.2mm	4
TEC0012	Retail Pack Hard Facing Electrode 3.2mm	4
TEC0013	Retail Pack Aluminium Rod 4043	4
TEC0014	Retail Pack Ccr 3.2mm	12
TEC0015	Retail Pack Brazing Rod M15 2.0mm	10
TEC0016	Retail Pack Brazing Rod M15 3.0mm	6
TEC0017	Retail Pack Flux Coated Brazing Rod 3.0mm	5
TEC0018	Retail Pack Silver Solder 1.5mm	2
TEC0019	Retail Pack Flux Coated Silver Solder 1.5mm	2
TEC0020	Retail Pack Copperbraze 0% Ag 2.0mm	8
TEC0021	Retail Pack Copperbraze 0% Ag 3.0mm	4
TEC0022	Retail Pack Aluminium Brazing 1.6mm	20
TEC0023	Retail Pack Aluminium Brazing 3.6mm	14
TEC0024	Retail Pack Bronze Brazing Flux 50g	1
TEC0025	Retail Pack Silver Solder Flux 50g	1
TEC0026	Retail Pack Aluminium Brazing Flux 50g	1

ARC ACCESSORIES

Code	Description	Qty/Pack
TEC0035	Retail Pack Chipping Hammer	1
TEC0036	Retail Pack Mild Steel Wire Brush	1
TEC0027	Retail Pack Earth Clamp 200a	1
TEC0028	Retail Pack Earth Clamp 400a	1
TEC0029	Retail Pack Earth Clamp 600a	1
TEC0030	Retail Pack Electrode Holder Kd 300	1
TEC0031	Retail Pack Electrode Holder Kd 500	1
TEC0032	Retail Pack Electrode Holder Opti400	1
TEC0033	Retail Pack Electrode Holder Opti600	1
TEC0034	Retail Pack Electrode Holder Twist Lock 400a	1
TEC0038	Retail Pack Cable Connector Dinse Type Male 10-25	2
TEC00381	Retail Pack Cable Connector Dinse Type Female 10-25	2
TEC0040	Retail Pack Cable Connector Dinse Type Male 35-50	2
TEC00401	Retail Pack Cable Connector Dinse Type Female 35-50	2
TEC0037	Retail Pack Machine Socket Female 10-25	2
TEC0039	Retail Pack Machine Socket Female 35-50	2
TEC0041	Retail Pack Cable Lugs 16mm	4
TEC0042	Retail Pack Cable Lugs 25mm	4
TEC0043	Retail Pack Cable Lugs 35mm	4
TEC0044	Retail Pack Transformer Oil 1l	1
TEC0045	Retail Pack Transformer Oil 5l	1
TEC0046	Retail Pack Welding Cable Kit 160 A	1
TEC0047	Retail Pack Welding Cable Kit 250 A	1
TEC00481	Retail Pack Welding Cable Green 16mm 5m	1
TEC00482	Retail Pack Welding Cable Blue 25mm 5m	1

GAS CUTTING

Code	Description	Qty/Pack
TEC0049	Retail Pack Flint Lighter	1
TEC0050	Retail Pack Flint Lighter Renewal	3
TEC0051	Retail Pack Nozzle Cleaner	1
TEC0052	Retail Pack Cutting Nozzle Anm 0.8mm	1
TEC0053	Retail Pack Cutting Nozzle Anm 1.2mm	1
TEC0054	Retail Pack Cutting Nozzle Anm 1.6mm	1
TEC00541	Retail Pack Cutting Nozzle Anm 2.0mm	1
TEC00542	Retail Pack Cutting Nozzle Anm 2.4mm	1
TEC00543	Retail Pack Cutting Nozzle Anm 3.2mm	1
TEC0055	Retail Pack Cutting Nozzle Pnm 1.2mm	1
TEC0056	Retail Pack Cutting Nozzle Pnm 1.6mm	1
TEC0057	Retail Pack Cutting Nozzle Pnm 2.0mm	1
TEC0058	Retail Pack Flash Back Arrester (oxygen, Acetylene Torch Mount)	2
TEC0059	Retail Pack Flash Back Arrester (oxygen, Acetylene Torch Mount)	2
TEC0060	Retail Pack Hose Kit 8mm 3/8"	1
TEC00601	Retail Pack Hose Kit 8mm 9/16"	1
TEC0061	Retail Pack Mixer	1
TEC0065	Retail Pack Swaged Nozzle No 3	1
TEC0066	Retail Pack Swaged Nozzle No 5	1
TEC0067	Retail Pack Swaged Nozzle No 7	1
TEC00715	Retail Pack Hose Oxygen Blue 6m	1
TEC00716	Retail Pack Hose Acetylene Red 6m	1

Code	Description	Qty/Pack
TEC007202	Retail Pack Black Pu Coated Gloves	1
TEC007203	Retail Pack Sp-flex Smooth Palm Nitrile Coated Gloves Red	1
TEC007204	Retail Pack Sp-flex Hd Sandy Palm Nitrile Coaed Gloves Red	1
TEC007205	Retail Pack Proflex Smooth Palm Nitrile Coated Glove Lime	1
TEC007206	Retail Pack Proflex Neon Sandy Palm Nitrile Coated Gloves Lime	1
TEC0095	Retail Pack Pvc Red Glove Knit Wrist	1
TEC007212	Retail Pack Pvc Red Glove Knit Wrist Rough Palm	1
TEC007216	Retail Pack Crayfish Glove	1
TEC007217	Retail Pack Progrip Glove	1
TEC007218	Retail Pack Yellow Comarex Glove Knit Wrist	1
TEC007219	Retail Pack Yellow Comarex Glove Safe Cuff	1
TEC007220	Retail Pack Procut Puralite Glove	1
TEC007221	Retail Pack Procut Griper Glove	1
TEC007222	Retail Pack Black Builders Gloves	1
TEC007226	Retail Pack Candy Strip Chrome Leather Gloves	1
TEC0072	Retail Pack Tig Gloves	1
TEC0073	Retail Pack Chrome Leather Gloves 50	1
TEC0074	Retail Pack Chrome Leather Gloves 200	1
TEC0075	Retail Pack Green Lined Gloves 50	1
TEC0076	Retail Pack Green Lined Gloves 200	1
TEC0077	Retail Pack Red Heat Resistant Gloves 200	1
TEC00771	Retail Pack Blue Welding Gloves With Yellow Palms 200	1

SAFETY & PPE

Code	Description	Qty/Pack
TEC0078	Retail Pack Spectacle Sport Clear	1
TEC0079	Retail Pack Spectacle Sport Green	1
TEC00791	Retail Pack Spectacle Sport Black	1
TEC0080	Retail Pack Spectacle Clear Wrap Around	1
TEC0081	Retail Pack Spectacle Green Wrap Around	1
TEC00811	Retail Pack Spectacle Black Wrap Around	1
TEC00815	Retail Pack Spectacle Euro Clear	1
TEC00816	Retail Pack Spectacle Euro Green	1
TEC008161	Retail Pack Spectacle Euro Black	1
TEC0082	Retail Pack Lens Clear Glass 108 X 51	2
TEC0083	Retail Pack Lens Shaded 8 108 X 51	2
TEC0084	Retail Pack Lens Shaded 10 108 X 51	2
TEC0085	Retail Pack Lens Shaded 12 108 X 51	2
TEC0086	Retail Pack Lens Plastic Auto Darkening Helmet Small	1
TEC0087	Retail Pack Lens Plastic Auto Darkening Helmet Large	1
TEC0088	Retail Pack Mono Goggle	1
TEC0089	Retail Pack Flip Front Brazing Goggles	1
TEC0090	Retail Pack Ear Plug Corded	1
TEC0091	Retail Pack Skull Cap	1
TEC0092	Retail Pack Flip Front Helmet Std	1
TEC0097	Retail Pack Ffp1 Dust Mask 5 Pcs	1

MIG WELDING ACCESSORIES

Code	Description	Qty/Pack
TEC0111	Retail Pack Mig Starter Kit Mb15	1
TEC0112	Retail Pack Mig Starter Kit Mb25	1
TEC0113	Retail Pack Mig Starter Kit Mb36	1
TEC0100	Retail Pack Contact Tip M6 0.8mm	5
TEC0101	Retail Pack Contact Tip M6 0.9mm	5
TEC0102	Retail Pack Contact Tip M6 1.0mm	5
TEC0103	Retail Pack Contact Tip M6 1.2mm	5
TEC0104	Retail Pack Contact Tip M8 0.8mm	5
TEC0105	Retail Pack Contact Tip M8 0.9mm	5
TEC0106	Retail Pack Contact Tip M8 1.0mm	5
TEC0107	Retail Pack Contact Tip M8 1.2mm	5
TEC0108	Retail Pack Shroud Nozzle Mb15	2
TEC0109	Retail Pack Shroud Nozzle Mb25	2
TEC0110	Retail Pack Shroud Nozzle Mb36	2
TEC0114	Retail Pack Liner 4m	1
TEC0123	Retail Pack Tig Start Kit Thoriated	1
TEC0124	Retail Pack Tig Start Kit Ziconiated	1
TEC0119	Retail Pack Tungsten Red Thoriated 1.6mm	10
TEC0120	Retail Pack Tungsten Red Thoriated 2.4mm	10
TEC0121	Retail Pack Tungsten White Ziconiated 1.6mm	10
TEC0122	Retail Pack Tungsten White Ziconiated 2.4mm	10

PLASMA TORCH & ACCESSORIES

	Description	Qty/Pack
TEC0126	Retail Pack Pt31 Starter Kit (short)	1
TEC0126-1	Retail Pack Pt31 Starter Kit (long)	1
TEC0128	Retail Pack Pt31 Cutting Tip (short)	5
TEC0129	Retail Pack Pt31 Electrode (short)	5
TEC0130	Retail Pack Pt31 Cutting Tip (long)	5
TEC0131	Retail Pack Pt31 Electrode (long)	5
TEC0132	Retail Pack Pt31 Gas Diffuser	5
TEC0133	Retail Pack Pt31 Shield Cup	2
TEC0143	Retail Pack P60 Starter Kit	1
TEC0135	Retail Pack P60 Electrodes	5
TEC0136	Retail Pack P60 Nozzle (tip)	5
TEC0137	Retail Pack P60 Shield Cup	2
TEC0139	Retail Pack P80 Electrode	5
TEC0140	Retail Pack P80 Nozzle (tip)	5
TEC0141	Retail Pack P80 Shield Cup	2
TEC0142	Retail Pack P80 Site Wheel	1
16-100999	Display Stand & Hooks	1

Tools

AIR COMPRESSOR 24L OIL FREE

Technical Info	
Motor Capacity	980W
Voltage	220V/50Hz
Rated Revolving speed	2800r/min
Grade of insulation	B
Air Pressure	55L/Min
Working Pressure	800kPa (8 Bar)
Cylinder	57.8 x 2
Tank Capacity	24L
Colour	Black
Weight	30kg
Item Code	17-AIROF24

AIR COMPRESSOR 50L OIL FREE

Technical Info	
Motor Capacity	1680W
Voltage	220V/50Hz
Rated Revolving speed	2800r/min
Grade of insulation	B
Air Pressure	105L/Min
Working Pressure	800kPa (8 Bar)
Cylinder	63.7 x 2
Tank Capacity	50L
Colour	Black
Weight	48kg
Item Code	17-AIROF50

AIR COMPRESSOR 100L OIL FREE

Technical Info	
Motor Capacity	1680W x 2
Voltage	220V/50Hz
Rated Revolving speed	2800r/min
Grade of insulation	B
Air Pressure	210L/Min
Working Pressure	800kPa (8 Bar)
Cylinder	63.7 x 4
Tank Capacity	100L
Colour	Black
Weight	78kg
Item Code	17-AIROF100

AIR COMPRESSOR 150L OIL FREE

Technical Info	
Motor Capacity	1680W x 3
Voltage	220V/50Hz
Rated Revolving speed	2800r/min
Grade of insulation	B
Air Pressure	315L/Min
Working Pressure	800kPa (8 Bar)
Cylinder	63.7 x 6
Tank Capacity	150L
Colour	Black
Weight	98kg
Item Code	17-AIROF150

TOOLSET 75 PIECES

Item Code
17-100101

TOOLSET 86 PIECES

Item Code
17-100102

TOOLSET 187 PIECES

Item Code
17-100103

COMBINATION PLIERS

Description	Item Code
Combination Plier 150mm	17-GHT482
Combination Plier 200mm	17-GHT481

LONG NOSE PLIERS

Description	Item Code
Long Nose Pliers 150mm	17-GHT484
Long Nose Pliers 200mm	17-GHT483

DIAGONAL CUTTER

Description	Item Code
Diagonal Cutter 150mm	17-GHT486
Diagonal Cutter 200mm	17-GHT485

BOLT CUTTER

Description	Item Code
Bolt Cutter 450mm	17-GHT498
Bolt Cutter 600mm	17-GHT499
Bolt Cutter 750mm	17-GHT500
Bolt Cutter 900mm	17-GHT501

WRENCH

Description	Item Code
Wrench 200mm	17-GHT502
Wrench 250mm	17-GHT503
Wrench 300mm	17-GHT504
Wrench 375mm	17-GHT505

PIPE WRENCH

Description	Item Code
Pipe Wrench 250mm	17-GHT506
Pipe Wrench 300mm	17-GHT507
Pipe Wrench 350mm	17-GHT508
Pipe Wrench 450mm	17-GHT509
Pipe Wrench 600mm	17-GHT510
Pipe Wrench 900mm	17-GHT511

CLAW HAMMER 0.5KG

Item Code
17-GHT005B

TOOLS

MAGNETIC SCREW DRIVER SET 6 PIECE

Description	Item Code
Electrician/Phillips 5x75mm, 6x100mm. 6x150mm	17-GHT030

SOCKET DRIVE WRENCH

Item Code
17-GHT284

SPANNER (CHROME VANADIUM) & SET

Description	Item Code
CR / V, 6mm	17-GHT167A
CR / V, 7mm	17-GHT167B
CR / V, 8mm	17-GHT167C
CR / V, 9mm	17-GHT167D
CR / V, 10mm	17-GHT167E
CR / V, 11mm	17-GHT167F
CR / V, 12mm	17-GHT167G
CR / V, 13mm	17-GHT167H
CR / V, 14mm	17-GHT167I
CR / V, 15mm	17-GHT167J
CR / V, 16mm	17-GHT167K
CR / V, 17mm	17-GHT167L
CR / V, 18mm	17-GHT167M
CR / V, 19mm	17-GHT167N
CR / V, 20mm	17-GHT167O
CR / V, 21mm	17-GHT167P
CR / V, 22mm	17-GHT167Q
CR / V, 23mm	17-GHT167R
CR / V, 24mm	17-GHT167S
CR / V, 25mm	17-GHT167T
CR / V, 26mm	17-GHT167U
CR / V, 27mm	17-GHT167V
CR / V, 28mm	17-GHT167W
CR / V, 30mm	17-GHT167X
CR / V, 32mm	17-GHT167Y

SOCKET (CHROME VANADIUM) & SET

Description	Product Code
1 / 2", 8mm	17-GHT169A
1 / 2", 9mm	17-GHT169B
1 / 2", 10mm	17-GHT169C
1 / 2", 11mm	17-GHT169D
1 / 2", 12mm	17-GHT169E
1 / 2", 13mm	17-GHT169F
1 / 2", 14mm	17-GHT169G
1 / 2", 15mm	17-GHT169H
1 / 2", 16mm	17-GHT169J
1 / 2", 17mm	17-GHT169K
1 / 2", 18mm	17-GHT169L
1 / 2", 19mm	17-GHT169M
1 / 2", 20mm	17-GHT169N
1 / 2", 21mm	17-GHT169P
1 / 2", 22mm	17-GHT169Q
1 / 2", 23mm	17-GHT169R
1 / 2", 24mm	17-GHT169S
1 / 2", 25mm	17-GHT169T
1 / 2", 26mm	17-GHT169U
1 / 2", 27mm	17-GHT169V
1 / 2", 30mm	17-GHT169X
1 / 2", 32mm	17-GHT169Y

SOCKET SET 24 PIECES

*Includes Wrench

Description	Item Code
1/2", Chrome Vanadium	17-GHT375

SOCKET SET 10 PIECES

Description	Item Code
10/13/14/15/16/17/18/19/21/24 mm	17-GHT502

BENCH VICE

Description	Item Code
100mm	17-GHT189
150mm	17-GHT190
200mm	17-GHT191

HACKSAW

Item Code
17-GHT197A

HACKSAW BLADES

Description	Item Code
18 Teeth 10pcs/pack	17-GHT199A
24 Teeth 10pcs/pack	17-GHT199B
32 Teeth 10pcs/pack	17-GHT199C

STEEL FILE

Description	Item Code
200mm Triangle	17-GHT210
200mm Half Circle	17-GHT211
200mm Flat	17-GHT212

ALLENKEY SET

Description	Item Code
Ball head long 1.5/2.0/2.5/3.0/4.0/5.0/6.0/8.0/10mm	17-GHT227
Ball head Extra long 1.5/2.0/2.5/3.0/4.0/5.0/6.0/8.0/10mm	17-GHT228

UTILITY KNIFE

Item Code
17-GHT267

STEEL DRILL BITS

Description	Item Code
HSS 3.0mm	17-GHT379C
HSS 3.5mm	17-GHT379E
HSS 4.0mm	17-GHT380
HSS 4.5mm	17-GHT381
HSS 5.0mm	17-GHT381B
HSS 5.5mm	17-GHT382
HSS 6.0mm	17-GHT383
HSS 6.5mm	17-GHT384
HSS 7.0mm	17-GHT1385
HSS 7.5mm	17-GHT386
HSS 8.0mm	17-GHT387
HSS 8.5mm	17-GHT388
HSS 9.0mm	17-GHT389
HSS 9.5mm	17-GHT390
HSS 10.0mm	17-GHT391
HSS 10.5mm	17-GHT391B
HSS 11mm	17-GHT392
HSS 12mm	17-GHT393
HSS 12.5mm	17-GHT394

STEEL DRILL BITS HSS 19 PIECE SET

Description	Item Code
1.0-10mm	17-GHT394A

STEEL DRILL BITS HSS 25 PIECE SET

Description	Item Code
1.0-13mm	17-GHT394B

HOSE CLAMP

Description	Item Code
Mild Steel 8-12mm 8mm width	17-GRH240A
Mild Steel 10-16mm 8mm width	17-GRH240B
Mild Steel 13-19mm 8mm width	17-GRH240C
Mild Steel 16-25mm 8mm width	17-GRH240D

CASTOR WHEELS SWIVELS

Description	Item Code
Rubber 75mm	17-GRH341
Rubber 100mm	17-GRH343
Rubber 125mm	17-GRH345
Rubber 150mm	17-GRH347
Rubber 200mm	17-GRH349

CASTOR WHEEL SWIVEL WITH BRAKE

Description	Item Code
Rubber 75mm	17-GRH341A
Rubber 100mm	17-GRH341B
Rubber 125mm	17-GRH341C
Rubber 150mm	17-GRH341D
Rubber 200mm	17-GRH341E

DISCUS PADLOCKS

Description	Item Code
60mm	17-ULK015A
70mm	17-ULK015
80mm	17-ULK016
90mm	17-ULK017

BRASS PADLOCKS CARDED

Description	Item Code
Carded 32mm	17-LCK013
Carded 38mm	17-LCK014
Carded 50mm	17-LCK015
Carded 63mm	17-LCK016
Carded 75mm	17-LCK017

TAPE MEASURES

Description	Item Code
Metric (Magnetic) 3m	17-MEA000E
Metric (Magnetic) 5m	17-MEA000F
Metric (Magnetic) 7.5m	17-MEA000G
Metric (Magnetic) 10m	17-MEA000H

DIGITAL VERNIER

Description	Item Code
150mm	17-MEA017
200mm	17-MEA018

VERNIER CALIPER

Description	Item Code
150mm	17-MEA020
200mm	17-MEA021
300mm	17-MEA022

Pinnacle

flame retardant

Notes

Notes

Pinnacle

★★★★★

The Welding, Safety and Power Company

Pinnacle

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