

Pinnacle

WELDING

CATALOGUE

2022



www.pinnacleweld.co.za



Company Profile

Pinnacle Welding and Safety founded in 2013, the fastest growing welding and safety manufacturing company in Southern Africa.

Pinnacle provide overall welding and safety products, solutions, services, training and technical support.

Headquartered in Johannesburg, has welding electrodes manufacturing factory in Johannesburg, workwear factories in Durban and Johannesburg, branches in Durban and Cape Town as well as agencies throughout all main cities in South Africa and SADC countries. Pinnacle Welding and Safety product brands include PINNACLE, CHISA, RILAND and GOLDEN BRIDGE, 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 and safety products and turnkey solutions to all industries.

To become one stop welding and safety specialist.

We thank you for your business!



- Engineering • Automotive • Petrochemical • Construction •
- Steel Structure • Mining • Agriculture •

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WELDING MACHINES



MMA 160GDM

LIGHT INDUSTRIAL, FULL DIGITAL

• UNIQUE APPEARANCE.



Processes

- MMA
- Lift-TIG

Package Includes

- Inverter power source
- Electrode clamp, 1.8m
- Earth clamp, 1.2m

Optional Accessories

- TIG torch, 4m
- Fast plug
- Wrench
- Helmet

Features

- MCU built-in.
- VRD adjustable.
- Self-adaptive Arc force and Hot start built-in, Anti-sticking.
- Fan as needed, reduce noise and dust inside the machine.
- Non-stop welding for 2.5mm and 3.2mm electrode.
- Suitable for acid and basic electrode.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MMA 160GDM	230V/1P/50-60Hz	MMA: 160A/26.4V/20% 90A/23.6V/100% TIG: 160A/16.4V/25% 100A/14V/100%	MMA: 35.5A@160A TIG: 25.2A@160A	MMA: 10-160A/62V TIG: 10-160A/16V	288*136*234	4.8

MMA 202GDM

LIGHT INDUSTRIAL, FULL DIGITAL, CELLULOSE

- **ABUNDANT PROFESSIONAL FEATURES FROM THE SMALL BODY.**



Cellulosic

Processes

- MMA
- Lift-TIG

Package Includes

- Inverter power source
- Electrode clamp, 3m
- Earth clamp, 3m

Optional Accessories

- TIG torch, 4m
- Fast plug
- Wrench
- Helmet

Features

- MCU built-in.
- VRD adjustable.
- Electrode type selectable.
- The time of Hot start adjustable.
- Hot start adjustable.
- Arc force adjustable.
- Anti-sticking.
- Fan as needed, reduce noise and dust inside the machine.
- Non-stop welding for 2.5mm and 3.2mm electrode, able to 4.0mm electrode.
- Suitable for acid electrode, basic electrode and cellulosic electrode.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MMA 202GDM	230V/1P/50-60Hz	MMA: 190A/27.6V/25% 95A/23.8V/100% TIG: 190A/17.6V/25% 95A/13.8V/100%	MMA: 38.7A@190A TIG: 24.7A@190A	MMA: 40-190A/64V/16V(VRD) TIG: 10-190A/64V/16V(VRD)	288*126*234	4.3

MMA 315G/400G/500G

INDUSTRIAL, CLASSICAL

• THE PRIORITY SELECTION FOR INDUSTRY.



Cellulosic

Processes

- MMA
- Arc Gouge
- Remote control optional

Package Includes

- Inverter power source
- Electrode clamp, 3m
- Earth clamp, 3m

Optional Accessories

- Fast plug
- Wrench
- Helmet
- Remote control box

Features

- VRD adjustable.
- Arc force adjustable.
- Hot start adjustable.
- Recommend for 5.0mm electrode.
- Suitable for acid electrode, basic electrode and cellulosic electrode.
- Tri-proof air duct design.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MMA 315G	380V/3P/50-60Hz	280A/31.2V/40% 180A/27.2V/100%	17A@280A	40-280A/65V	426*212*357	15
MMA 400G	380V/3P/50-60Hz	380A/35.2V/40% 253A/30.1V/100%	27.7A@380A	40-380A/62V	485*234*425	22
MMA 500G	380V/3P/50-60Hz	480A/39.2V/40% 304A/32.2V/100%	36.2A@480A	40-480A/68V	515*262*468	26

HARC 630I

EAZY INDUSTRIAL, CLASSICAL

- THE PRIORITY SELECTION FOR HEAVY INDUSTRY WITH HEAVY DUTY.



Cellulosic

Processes

- MMA
- Arc Gouge
- Remote control

Package Includes

- Inverter power source
- Electrode clamp, 3m
- Earth clamp, 3m

Optional Accessories

- Fast plug
- Wrench
- Helmet
- Remote control box

Features

- Heavy duty, non-stop working under 40 degree condition.
- VRD adjustable.
- Arc force adjustable.
- Hot start adjustable.
- Recommend for 5.0mm electrode.
- Suitable for acid electrode, basic electrode and cellulosic electrode.
- Tri-proof air duct design.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
ARC 630I	380V/3P/50-60Hz	630A/44V/60% 488A/39.5V/100%	53.1A@630A	50-630A/90V	650*310*640	54

MIG 180PGDM

LIGHT INDUSTRIAL, FULL DIGITAL, PULSE

- **THE SMALLEST MIG MACHINE WITH PULSE IN THE WORLD.**



Processes

- MIG/MIX
- MIG/Ar Al
- MIG/Gasless
- MMA
- Lift-TIG

Package Includes

- Inverter power source
- MIG torch, 3m
- Earth clamp, 3m
- Hose, 3m
- Hose clamp, 2pcs

Optional Accessories

- Electrode clamp, 3m
- TIG torch, 4m
- Welding cart
- Helmet

Features

- The smallest MIG machine with pulse in the world.
- MCU built-in.
- Synergic, voltage micro-adjustable, inductance adjustable.
- 2T/4T.
- Polarity change inside.
- VRD adjustable.
- Self-adaptive Arc force and Hot start built-in, Anti-sticking.
- Fan as needed, reduce noise and dust inside the machine.
- Compatible with 1kg(100mm) and 5kg(200mm) wire spool.
- The version of 115/230V optional.

Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MIG 180PGDM	230V/1P/50-60Hz	MIG: 180A/23V/25% 90A/18.5V/100% MMA: 160A/26.4V/25% 85A/23.4V/100% TIG: 180A/17.2V/25% 100A/14V/100%	MIG: 34A@180A MMA: 34A@160A TIG: 27.5A@180A	MIG: 50-180A/56V MMA: 15-160A/56V TIG: 15-180A/56V	386*170*300	8

MIG 250GS

LIGHT INDUSTRIAL, COMPACT

• UNIQUE APPEARANCE.



Processes

- MIG
- MIG/Gasless
- MMA

Package Includes

- Inverter power source
- MIG torch, 3m
- Earth clamp, 3m
- Hose, 3m
- Hose clamp, 2pcs

Optional Accessories

- Electrode clamp, 3m
- Helmet

Features

- Current, voltage and inductance adjustable.
- 2T/4T.
- Polarity change.
- Wire inching built-in.
- Compatible with 15kg(300mm) wire spool.

Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MIG 250GS	220V/1P/50-60Hz	MIG: 250A/26.5V/35% 180A/23V/100% MMA: 220A/28.8V/30% 160A/26.4V/100%	MIG: 50A@250A MMA: 47A@220A	MIG: 50-250A/56V MMA: 50-220A/56V	615*276*760	45

H MIG 350I/500I

HEAVY INDUSTRIAL, SEPARATED

- THE PRIORITY SELECTION FOR SHIP CONSTRUCTION.



Processes

- MIG
- MIG/Gasless
- MMA
- Arc Gouge

Package Includes

- Inverter power source
- MIG torch, 3m
- Earth clamp, 3m
- Hose, 3m
- Hose clamp, 2pcs

Optional Accessories

- Electrode clamp, 3m
- Helmet

Features

- Current, voltage and inductance adjustable.
- Wire diameter selectable.
- Wire type selectable.
- Arc extinction regulation selectable.
- Gas purge.
- Wire inching on wire feeder.
- Compatible with 15kg(300mm) wire spool.
- Tri-proof air duct design.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MIG 350I	380V/3P/50-60Hz	MIG: 350A/31.5V/60% 271A/27.6V/100% MMA: 350A/34V/60% 271A/30.8V/100%	MIG: 24.5A@350A	MIG: 60-350A/70V MMA: 40-350A/70V	550*280*545	36
MIG 350I	220V/3P/50-60Hz					
MIG 500I	380V/3P/50-60Hz	MIG: 500A/39V/60% 387A/33.4V/100% MMA: 500A/40V/60% 387A/35.5V/100%	MIG: 38.4A@500A	MIG: 80-500A/72V MMA: 50-500A/72V	670*320*640	42

TITANS 500DP

EAZY INDUSTRIAL, SEPERATED

• UNIQUE APPEARANCE.



Processes

- MIG
- MMA
- Lift TIG
- Gouging
- Synergic

Package Includes

- Inverter power source
- MIG torch, 3m
- Earth clamp, 3m
- Hose, 3m
- Hose clamp, 2pcs

Optional Accessories

- Electrode clamp, 3m
- Extend control cable, 10m
- Helmet

Features

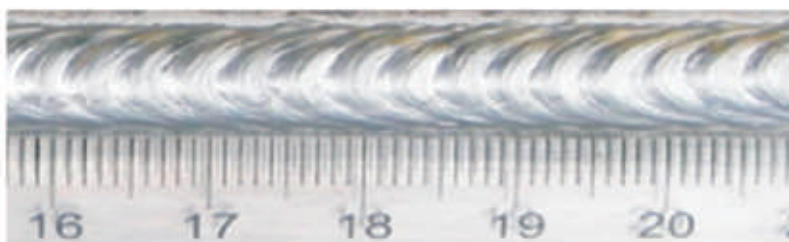
- Automatic standby sleeping function Reduce loss to 30W
- VRD – Voltage Reduction Device. VRD open in MMA welding processing, the open current voltage is reduced to 8.5 V ($\pm 10\%$)
- Low voltage / high voltage automatic protection (Range: 380-400-415V/ 460V, $-15\sim+10\%$)
- Phase-loss automatic protection (If phase-loss was over 20ms, it would start up and display the code.)
- Automatic protection for over-frequency by power grid (When the input network power exceeds the 46-64Hz range, it will start on and display the code.)
- Anti stick function in MMA (when the short circuit time greater than 0.3s, it will start on.)
- Manual or automatic fan sleep mode
- MMA/Lift-TIG/Gouging



Model	Welding Current (MIG/MAG)	Duty Cycle	Input Voltage	Main Power Insurance/400V	Dimension (mm)	Weight (kg)
Titan 500DP	20A/15V 500A/40V	60% - 500A 100% - 400A	380 - 460V	35A	740x350x430	50,7

Double Pulse MIG Welding

The built-in double pulse function makes the weld of aluminum alloy more perfect: on the basis of a group of high frequency pulse, a group of low frequency pulse current is superimposed, which has a double stirring effect on the weld puddle. It is beneficial to the separate out of gas and slag and improves the welding quality, which is suitable for welding aluminum alloy and forms ripple effect to the surface.



Perfect Droplet Transition, Lower Spatter Welding

With the synergic matching parameters, the welder only needs to adjust the arc stiffness and arc length (inductance and arc pressure) properly to realize the lower spatter welding in the welding process.



Wire Feeder Inner Structure



Powerful 2x2 double drive four roll wheel wire feeding device:

- 24V motor drive
- Independent pressure regulation of two groups of roll wheels
- The roll wheels can adapt to coarse wire, flux-cored wire, solid wire, aluminum wire, etc.

H MIG 500F

HEAVY INDUSTRIAL, SEPERATED

• UNIQUE APPEARANCE.



Processes

- MIG
- MMA

Package Includes

- Inverter power source
- MIG torch, 3m
- Earth clamp, 3m
- Hose, 3m
- Hose clamp, 2pcs

Optional Accessories

- Electrode clamp, 3m
- Extend control cable, 10m
- Helmet

Features

- Current, voltage and inductance adjustable.
- Water cooled.
- 2T/4T.
- Wire diameter selectable.
- Wire type selectable.
- Bracket on the side.
- Friendly tool box.
- Wire inching on wire feeder.
- Compatible with 15kg(300mm) wire spool.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MIG 500F	380V/3P/50-60Hz	MIG: 500A/39V/35% 315A/29.8V/100% MMA: 500A/40V/35% 315A/32.6V/100%	MIG: 37.5A@500A MMA: 38.4A@500A	MIG: 80-500A/75V MMA: 50-500A/75V	900*260*850	78

TIG 200CT

LIGHT INDUSTRIAL, CLASSICAL, DC

- DEVOTED IN WELDING STAINLESS STEEL.



Processes

- DC TIG
- MMA

Package Includes

- Inverter power source
- TIG torch, 4m
- Earth clamp, 3m
- Tungsten electrode

Optional Accessories

- Electrode clamp, 3m
- Welding cart
- Helmet

Features

- New technology to maximizing thermal dissipation with 4 separated heat sinks.
- Post-gas adjustable.
- The success rate of arc striking is up to more than 99%.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
TIG 200CT	220V/1P/50-60Hz	TIG: 180A/17.2V/30% 150A/16V/100% MMA: 155A/26.2V/40% 130A/25.2V/100%	TIG: 26A@180A MMA: 31.2A@155A	TIG: 10-180A/58V/16.5V(VRD) MMA: 10-155A/58V/16.5V(VRD)	402*160*300	6.5

TIG 200PAC/DC GDM

LIGHT INDUSTRIAL, FULL DIGITAL, DC, PULSE

- NEW GENERATION, FULL DIGITAL AND FULLY FUNCTIONAL TIG MACHINE.



Processes

- DC TIG
- AC TIG(TIG 200PAC/DC GDM)
- Pulse TIG
- MMA
- Remoto control

Package Includes

- Inverter power source
- TIG torch, 4m
- Earth clamp, 3m
- Tungsten electrode

Optional Accessories

- Electrode clamp, 3m
- Welding cart
- Helmet
- Foot control pedal

Features

- MCU built-in.
- LED display.
- Pulse frequency and pulse width adjustable.
- AC balance and AC frequency adjustable (TIG 200PAC/DC GDM).
- 2T/4T/Spot welding.
- Pre-gas and post-gas adjustable.
- Up-slope and down-slope adjustable.
- Base current adjustable.
- Arc-striking current and arc-extinction current adjustable.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
TIG 200PAC/DC GDM	220V/1P/50-60Hz	TIG: 190A/17.6V/20% 85A/13.4V/100% MMA: 160A/26.4V/20% 72A/22.9V/100%	TIG: 28A@190A MMA: 29.2A@160A	TIG: 15-190A/59V MMA: 30-160A/59V/20V(VRD)	315*145*248	6.5

TIG 250PAC/DC II & 315PAC/DC

INDUSTRIAL, CLASSICAL, AC/DC, PULSE

- FULL FUNCTION AND EXPERT IN WELDING ALUMINUM.



Processes

- DC TIG
- AC TIG
- Pulse TIG
- MMA
- Remote control

Package Includes

- Inverter power source
- TIG torch, 4m
- Earth clamp, 3m
- Tungsten electrode

Optional Accessories

- Electrode clamp, 3m
- Foot control pedal
- Helmet

Features

- AC/DC selectable.
- Pulse frequency and pulse width adjustable.
- AC balance adjustable.
- 2T/4T.
- Post-gas adjustable.
- Down-slope adjustable.
- Arc-striking current and arc-extinction current adjustable.
- Tri-proof air duct design.

Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
TIG 250PAC/DC II	220V/1P/50-60Hz	TIG: 210A/18.4V/30%@40°C 150A/16V/100%@40°C MMA: 160A/26.4V/30%@40°C 120A/24.8V/100%@40°C	TIG: 36.5A@210A MMA: 35.4A@160A	TIG: 10-210A/96V(AC)/68V(DC) MMA: 10-160A/60V	476*340*402	20
TIG 315PA/CDC	380V/3P/50-60Hz	TIG: 300A/22V/20%@40°C 230A/19.2V/100%@40°C MMA: 240A/29.6V/60%@40°C 220A/28.8V/100%@40°C	TIG: 17.2A@300A MMA: 15.5A@240A	TIG: 12-300A/62V MMA: 15-240A/62V	609*332*622	38

CUT 40CT

LIGHT INDUSTRIAL, HF, CLASSICAL

- FOCUS ON CUTTING THIN PLATE.



Processes

- CUT

Package Includes

- Inverter power source
- CUT torch, 5m
- Earth clamp, 3m
- Air filter
- Gas hose, 3m

Optional Accessories

- Helmet

Features

- New technology to maximizing thermal dissipation with 4 separated heat sinks.
- Flash cutting for 6mm thickness carbon steel, recommend for 10mm thickness carbon steel.
- Post-gas adjustable.
- Easy arc ignition with high frequency.
- Smooth and neat cutting surface.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
CUT 40CT	220V/1P/50-60Hz	40A/96V/30% 30A/92V/100%	30A@40A	15-40A/275V	402*160*300	7

CUT 63G/80GT/100GT

INDUSTRIAL, HF, CNC

- **CNC LEADS TO TECHNOLOGICAL INNOVATION.**



CNC

Processes

- CUT
- CNC

Package Includes

- Inverter power source
- CUT torch, 5m
- Earth clamp, 3m
- Air filter
- Gas hose, 3m

Optional Accessories

- Helmet

Features

- CNC connector greatly enrich capacity.
- Flash cutting for 10/15/20mm thickness carbon steel, recommend for 16/25/30mm thickness carbon steel.
- 2T/4T.
- Gas pressure meter.
- Post-gas adjustable.
- Easy arc ignition with high frequency.
- Smooth and neat cutting surface.
- Tri-proof air duct design.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
CUT 63G	380V/3P/50-60Hz	63A/105V/60% 46A/98.4V/100%	14A@63A	23-63A/300V	508*244*423	21.7
CUT 80GT	380V/3P/50-60Hz	80A/112V/40% 46A/98.4V/100%	17.5A@80A	20-80A/300V	508*244*423	21.7
CUT 100GT	380V/3P/50-60Hz	100A/120V/40% 70A/108V/100%	23A@100A	20-100A/300V	526*272*468	25.6

H CUT 160I

HEAVY INDUSTRIAL, HF, CLASSICAL

- THE SHARP WEAPON FOR HEAVY PLATE.



Processes

- CUT
- Gouge

Package Includes

- Inverter power source
- CUT torch, 5m
- Earth clamp, 3m
- Air filter
- Gas hose, 3m

Optional Accessories

- Helmet

Features

- Gouge (CUT 160I).
- Flash cutting for 20/30mm thickness carbon steel, recommend for 30/45mm thickness carbon steel.
- 2T/4T (CUT 160I).
- Easy arc ignition with high frequency.
- Smooth and neat cutting surface.
- Tri-proof air duct design.

Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
CUT 160I	380V/3P/50-60Hz	160A/144V/60% 124A/130V/100%	41.5A@160A	40-160A/348V	670*337*617	60

HMZ 1250CV

HEAVY INDUSTRIAL, AUTOMATIC, EFFICIENT

- COMPATIBLE WITH HIGH EFFICIENCY AND HIGH DEPOSITION RATE.



Processes

- CC SAW
- CV SAW
- Arc Gouge
- MMA

Package Includes

- Inverter power source
- Track
- Welding cable, 10m
- Earth clamp, 6m
- Control cable, 10m
- Welding carriage/tractor

Optional Accessories

- Arc Gouge torch
- Helmet

Features

- Equip auto start interface to special machine.
- Analog keys and rotary knobs for convenient operation.
- Intelligent energy-saving mode as the machine stop 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 designated position.
- Inrush current limited at reasonable and security standard.
- Tri-proof air duct design.



Model	Input Voltage/Phase/Frequency	Output Current/Voltage/Duty Cycle (40°C)	Amps Input At Rated Output	Output Range/ OCV	Dimension (mm)	Weight (kg)
MZ 1250CV	380V/3P/50-60Hz	SAW: 1250A/44V/40% 800A/44V/100% MMA: 1250A/44V/40% 800A/44V/100% Gouge: 1250A/44V/40% 800A/44V/100%	130A@1250A	125-1250A/90V	760*380*800	85

DIGITAL INVERTER

MMA WELDING MACHINE

Pinnacle

PRIMIARC 201 VRD

Industrial MMA welder



MMA

Processes:

- MMA
- Lift TIG

Package includes:

- Inverter power source
- 1,5m electrode holder & cable
- 1,5m earth clamp & cable

Features:

- An industrial grade single phase IGBT inverter
- Suitable for carbon steel, stainless steel, nickel alloy welding
- Arc force, hot start, digital display
- Built-in VRD



Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	8,5
Rated Input Current (A)	38
No-Load Voltage (V) (VRD-off)	65
Output Current Range (A)	20-200A
Arc Force (A)	0-100
Duty Cycle (%)	60% @ 200A
Welding Electrode Size (mm)	2.5-4.0
Weight (Kg)	9
Dimension (mm)	360 x 160 x 212

DIGITAL INVERTER MMA WELDING MACHINE

Pinnacle

PRIMIARC 328 VRD

Industrial MMA welder



MMA

- Capable for welding with long cables, up to 100+100 meters and return cables.
- Suitable for all types of electrodes including cellulosic.
- Smooth and stable arc with minimum spatter.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	12.1
Rated Input Current (A)	18.5
No-Load Voltage (V) (VRD-off)	67
Output Current Range (A)	20-300A
Arc Force (A)	0-100
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-4.0
Weight (Kg)	14.5
Dimension (mm)	450 x 220 x 343

DIGITAL INVERTER MMA WELDING MACHINE

Pinnacle

PRIMIARC 408 VRD

Digital Industrial MMA Welder

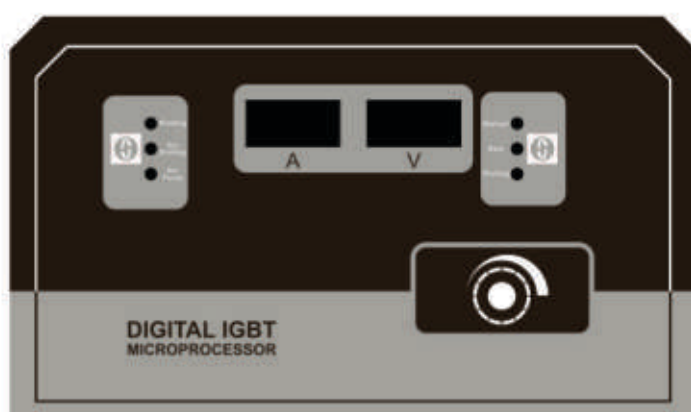


MMA

- Microprocessor control, simple operation, more perfect welding performance.
- Provides quick, direct connection to remote controls and switches
- The unique air duct design, failure rate greatly reduced, extending the service life of the machine.
- Suitable for all types of electrodes including cellulosic.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	18.2
Rated Input Current (A)	27.6
No-Load Voltage (V) (VRD-off)	67
Output Current Range (A)	20-400A
Arc Force (A)	20-150
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-5.0
Weight (Kg)	24
Dimension (mm)	515 x 280 x 435

DIGITAL INVERTER MMA WELDING MACHINE

Pinnacle

PRIMIARC 508 VRD

Digital Industrial MMA welder



MMA

**Carbon arc
GOUGE**

- Comprehensive protecting function, with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design, failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 unit-control units, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.
- Designed for heavy duty stick welding needs. Whether you are using cellulose, low hydrogen, stainless steel or hardfacing electrode, it can produce a smooth, quality arc for consistent results day-in and day-out.
- Arc gouge with the carbon electrode.
- Easy to operate-Microprocessor panel control makes procedure setting simple and easy.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	25.3
Rated Input Current (A)	38.4
No-Load Voltage (V) (VRD-off)	74
Output Current Range (A)	20-500A
Arc Force (A)	20-150
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-6.0
Weight (Kg)	38.5
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER MMA WELDING MACHINE

Pinnacle

PRIMIARC 630 VRD

Digital Industrial MMA Welder



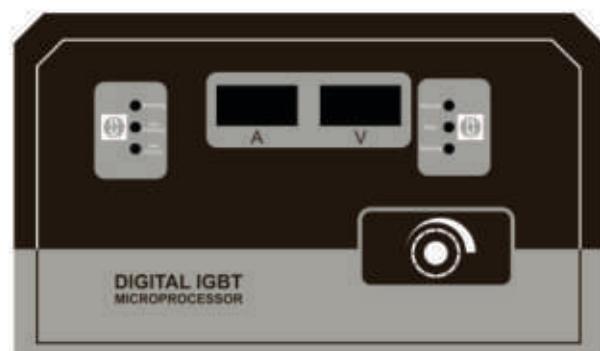
MMA

Carbon arc
GOUGE

- Comprehensive protecting function, with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
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- Easy to operate-Microprocessor panel control makes procedure setting simple and easy.
- Arc gouge with the carbon electrode.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	36
Rated Input Current (A)	44
No-Load Voltage (V) (VRD-off)	77
Output Current Range (A)	20-630A
Arc Force (A)	20-150
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-6.0
Weight (Kg)	43
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER

MMA WELDING MACHINE

Pinnacle

SELECTARC 405 DUAL 380/525V

Industrial MMA welder



MMA

Carbon arc
GOUGE

Processes:

- MMA
- Lift TIG

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable

Features:

- Advanced IGBT MODUEL technology
- Auto select dual voltage
- Heavy industrial welder, hot start, adjustable arc force
- VRD function
- Suitable for welding of carbon steel, stainless steel copper & alloy electrodes



Technical Data

Input Power Voltage (V)	AC 380 / 525 V
Input Power Select	Auto
Rated Input Power Capacity (KVA)	28
Rated Input Current (A)	29A / 21A
No-Load Voltage (V)	80
Output Current Range (A)	20-400A
Arc Force (A)	20-150
Duty Cycle (%)	60% @ 400A
Welding Electrode Size (mm)	2.5-5.0
Weight (Kg)	43
Dimension (mm)	580 x 300 x 510

DIGITAL INVERTER MIG/MMA WELDING MACHINE

Pinnacle

MIGARC 200

Digital Synergic MIG/MMA Welding Machine

- 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



Package includes:

- Inverter power source
- MB15 Torch
- 2m earth cable



Technical Data	MIG	MMA	LIFT TIG
Input Power Voltage (V)	AC 220V +- 15%, 1PH		
Input Voltage Frequency (Hz)	50/60		
Rated Input Power Capacity (KVA)	6	5.4	3.3
Rated Input Current (A)	27	24.5	15
No-Load Voltage (V)	52		
Output Current Range (A)	20-200A	20-160A	20-160A
Duty Cycle (%)	60% @ 40°C		
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		

DIGITAL INVERTER MIG/MMA WELDING MACHINE

Pinnacle

PRIMIMIG 251C

Processes:

- MIG
- MIG / Gasless
- MMA

Package includes:

- Inverter power source
- Mb25 torch 3m
- 2m earth cable
- Argon flowmeter

Features:

- Microprocessor operation panel which brings much more simple and precise control
- Portable function of MMA and MIG, workable for 300mm coil which can be well protected
- A much more compact design with light weight and a higher duty cycle
- With ARC ending and spot welding, deep molten puddle, less spatter



Technical Data	MIG	MMA
Input Power Voltage (V)	AC 220V +- 15%, 1PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	8,4	9,5
Rated Input Current (A)	38	43
No-load Voltage (V)	52	
Output Current Range (A)	20-250A	20-250A
Duty Cycle (%)	60% @ 40 'C	
Welding Wire Size (mm)	0.6-1.0	
Welding Electrode Size (mm)		2.5-4.0
Weight (KG)	20	
Dimension (mm)	622 x 280 x 450	

DIGITAL INVERTER MIG/MAG WELDING MACHINE

Pinnacle

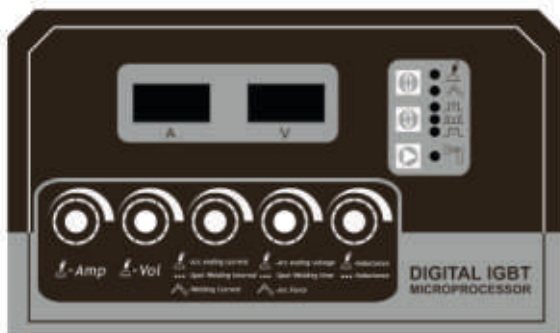
DIGIMIG 275

Digital MCU MIG/MMA welding machine

- Microprocessor operation panel which brings much more simple and precise control and performance.
- Portable, function of MMA and MIG, workable for 300mm coil which can be well protected internally.
- Much compact design with light weight but higher duty cycle.
- With arc ending & spot welding, deep molten puddle, less spatter.

Package includes:

- Inverter power source
- MB25 Torch 3m
- 2m earth cable
- Argon flowmeter



Technical Data	MIG	MMA
Input Power Voltage (V)	AC 220V +- 15%, 1PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	8.4	9.5
Rated Input Current (A)	38	43
No-Load Voltage (V)	52	
Output Current Range (A)	20-250A	
Duty Cycle (%)	60% @ 40'C	
Welding Wire Size (mm)	0.6-1.0	
Welding Electrode size (mm)		2.5-4.0
Weight (Kg)	20	
Dimension (mm)	622 x 280 x 450	

DIGITAL INVERTER MIG/MAG WELDING MACHINE

Pinnacle

PRIMIMIG 350

Digital Microprocessor MIG/MMA welding machine

Processes:

- MIG
- MIG / Gasless
- MMA

Package includes:

- Inverter power source
- Double drive wire feeder
- MB36 torch 3m
- 2m earth cable
- Argon flowmeter

Features:

- Compact design: Trolley, water tank, power source can be selected according to applications
- With synergic control which ensures a much simple & smart welding operation
- Comprehensive protecting function: with protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit.
only need to replace the related unit power board for maintenance, any professional debugging is unnecessary



Technical Data	MIG	MMA
Input Power Voltage (V)	AC 380V +- 15%, 3PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	14	15,1
No-Load Voltage (V)	67	
Output Current Range (A)	40-350A	40-350A
Pre-Flow (S)	0-20	
Post-Flow (S)	0-20	
Duty Cycle (%)	60%	
Welding Wire Size (mm)	0.6-1.2	
Welding Electrode size (mm)		2.5-5.0
Weight (Kg)	35,7	
Dimension (mm)	622 x 280 x 480	

DIGITAL INVERTER MIG/MAG WELDING MACHINE

Pinnacle

PRIMIMIG 550

Digital Microprocessor MIG/MMA welding machine

- Compact design: trolley, water tank, power source can be selected according to applications.
- With Synergic control which ensures a much simple & smart welding operation
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Utilization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.

Package includes:

- Inverter power source
- Double drive wire feeder
- MB40 torch 3m
- 2m earth cable
- Argon flowmeter



Technical Data	MIG	MMA
Input Power Voltage (V)	AC 380V +- 15%, 3PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	24.6	25.3
No-Load Voltage (V)	74	
Output Current Range (A)	20-500A	
Pre-Flow (S)	0-2	
Post-Flow (S)	0-2	
Duty Cycle (%)	60% @ 500A, 100% @ 387A	
Welding Wire Size (mm)	0.6-1.6	
Welding Electrode size (mm)		2.5-6.0
Weight (Kg)	40	
Dimension (mm)	622 x 280 x 480	

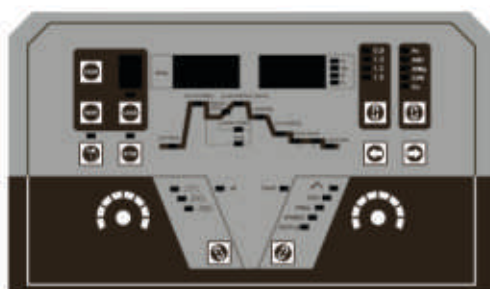
DIGITAL INVERTER MIG/MAG WELDING MACHINE

Pinnacle

PRIMIMIG 555DP

Digital Double Pulse MIG/MMA welding machine

- Aluminum pulse process, outstanding welding performance for Al welding.
- Single pulse, double pulse, MIG/MMA 3 in 1
- Delivers a stacked dime appearance during aluminum welding.
- Including sets of expert welding parameter, can save 10 sets programs.
- Intelligent Synergic control makes all the jobs become easy with sets of expert welding parameters stored.
- Inverter frequency can be up to 66 KHz which ensures much more smooth and stable arc.
- Compact design: trolley, water tank, power source can be combined freely according to your need.
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.



Package includes:

- Inverter power source
- Water cooled double drive wire feeder
- MB501 water cool torch 3m
- 2m earth cable
- Argon flowmeter
- Heavy duty water cooler
- Heavy duty trolley



synergic

Technical Data	MIG	MMA
Input Power Voltage (V)	AC 380V+-15%, 3PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	24.6	25.3
No-Load Voltage (V)	81	
Output Current Range (A)	20-500A	
Pre-Flow (S)	0-5	
Post-Flow (S)	0-5	
Duty Cycle (%)	60% @ 500A, 100% @ 387A	
Welding Wire Size (mm)	0.6-1.6	
Welding Electrode size (mm)		2.5-6.0
Weight (Kg)	40	
Dimension (mm)	622 x 280 x 480	

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 40I

Air Plasma Cutting Machine



Processes:

- CUT

Package includes:

- Inverter power source
- PT31 Torch
- Air regulator (water trap)
- Earth cable

Features:

- Advanced IGBT & PWM technology
- Light, compact, easy to operate
- Auto pilot HF starting ARC
- Suitable for ferrous & non-ferrous metal cutting
- 4 times faster than traditional oxy-fuel cut



Technical Data

Input Power Voltage (V)	AC 220V +- 15%, 1PH
Rated Input Power Capacity (KVA)	4,6
Rated Input Current (A)	30
No-load Voltage (V)	280
Output Current Range (A)	40
Recommended cut capacity (mm)	8
Serverance cut capacity (mm)	12
Duty Cycle (%)	60
Air Pressure	0,2-0,4 Mpa
Weight (Kg)	9,5
Dimension (mm)	390x150x300

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 60I

Digital Microprocessor Air Plasma Cutting Machine



- Microprocessor operation panel which brings much more simple and precise control and performance.
- With 2T/4T and post gas adjustment to meet different cutting demand.
- Narrow cutting seam, smooth appearance, less transmutation
- Compatible with network or generator use
- Auto-protection against over voltage and over heat

Package includes:

- Inverter power source
- AG60 5m torch
- Air regulator (water trap)
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 220V +- 15%, 1PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	7.9
Rated Input Current (A)	35.9
No-Load Voltage (V)	264
Output Current Range (A)	20-60A
Recommended cut capacity (mm)	20
Serverance cut capacity (mm)	25
Duty Cycle (%)	60%@40'C
Weight (Kg)	18
Dimension (mm)	450x220x345

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 100C

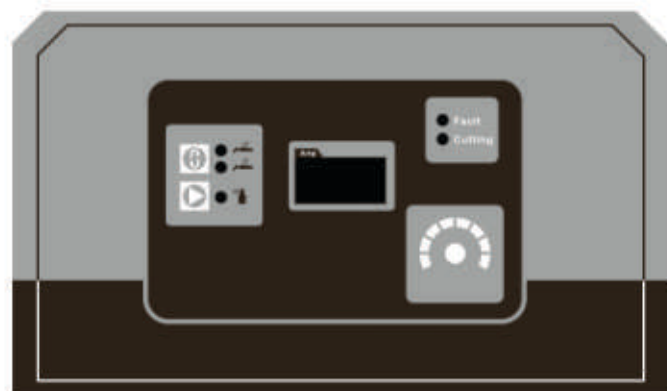
Digital Microprocessor Air Plasma Cutting Machine



- Microprocessor operation panel which brings much more simple and precise control and performance.
- With 2T/4T and post gas adjustment to meet different cutting demand.
- Narrow cutting seam, smooth appearance, less transmutation
- Compatible with network or generator use
- Auto-protection against over voltage and over heat

Package includes:

- Inverter power source
- P80 5m torch
- Air regulator (water trap)
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	15.1
Rated Input Current (A)	23
No-Load Voltage (V)	285
Output Current Range (A)	5-100A
Air Pressure (Mpa)	0.6
Recommended Cut Capacity (mm)	30
Serverance Cut Capacity (mm)	40
Duty Cycle (%)	60%@40'C
Weight (Kg)	28.3
Dimension (mm)	500 x 280 x 435

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 120

Digital Microprocessor Air Plasma Cutting Machine

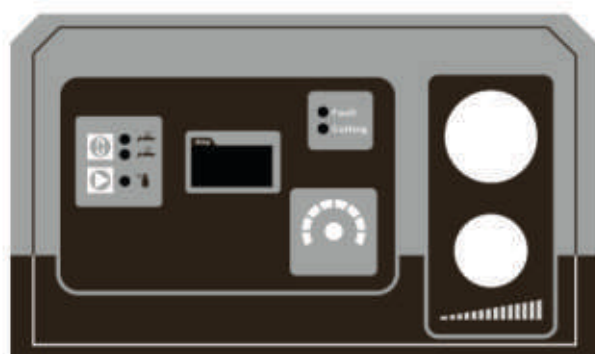


CNC

- Compact design: trolley, water tank, power source can be combined freely according to your need.
- Simple control with microprocessor, high duty cycle and performance needed for tough industrial cutting jobs.
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- **The unique air duct design: failure rate greatly reduced; extending the service life of the machine.**
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.
- With built-in gas regulator which is easier to set the air compressor.
- Adopting high voltage pulse design instead of general high frequency pulse which can smoothly work with CNC control without any interference.

Package includes:

- Inverter power source
- P80 5m torch
- Water trap
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	16.2
No-Load Voltage (V)	287
Output Current Range (A)	5-120A
Pre-Flow (S)	0.1-5 S
Post-Gas (S)	0-30 S
Recommended Cut Capacity (mm)	35
Serverance Cut Capacity (mm)	50
Duty Cycle (%)	60%@40'C
Weight (Kg)	38
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 160

Digital Microprocessor Air Plasma Cutting Machine

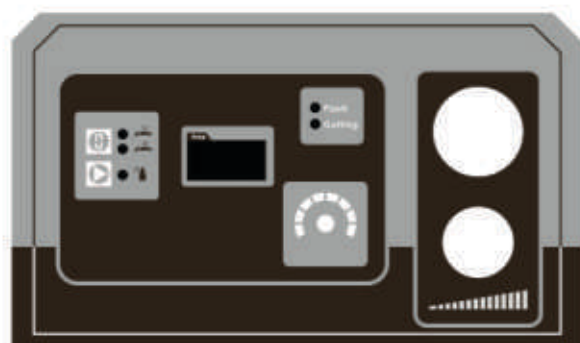


CNC

- Compact design: trolley, water tank, power source can be combined freely according to your need.
- Simple control with microprocessor, high duty cycle and performance needed for tough industrial cutting jobs.
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.
- With built-in gas regulator which is easier to set the air compressor.
- Adopting high voltage pulse design instead of general high frequency pulse which can smoothly work with CNC control without any interference.

Package includes:

- Inverter power source
- P150 5m torch
- Water trap
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	29.2
No-Load Voltage (V)	292
Output Current Range (A)	5-160A
Pre-Flow (S)	0.1-5 S
Post-Gas (S)	0-30 S
Recommended Cut Capacity (mm)	45
Serverance Cut Capacity (mm)	60
Duty Cycle (%)	60%@40'C
Weight (Kg)	50
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER

TIG/MMA/PULSE WELDING MACHINE

Pinnacle

PRIMITIG DC 200I

DC TIG/MMA inverter machine

Processes:

- DC TIG
- MMA

Package includes:

- Inverter power source
- WP-17 4m torch
- Earth cable

Features:

- Advanced IGBT & PWM technology
- Dual function HF TIG / MMA
- High frequency start TIG welding
- Digital current display
- 2T / 4T function
- Not suitable for aluminum TIG welding



TIG



MMA



Technical Data	TIG	MMA
Input Power Voltage (V)	AC 220V +- 15%, 1PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	4.5	6.8
No-Load Voltage (V)	42	
Output Current Range (A)	10-200A	40-180A
Post-Flow (S)	2-5 S	
Duty Cycle (%)	60%	
Weight (Kg)	7,5	
Dimension (mm)	370x153x300	

DIGITAL INVERTER

TIG/MMA/PULSE WELDING MACHINE

Pinnacle

PRIMITIG AC/DC 208P

Digital Multi Process AC/DC PULSE TIG/MMA Machine

- AC/DC TIG/MMA/Pulse 4 in 1, much compact design for hand carry.
- Microprocessor control: simple operation, more perfect welding performance, 10 programs can be stored.
- Pulsing adds arc stability, reduces heat input and warpage and can increase travel speeds.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Auto-protection against over voltage and under voltage, default phase, against lightning stroke, over current, over heat etc.
- Compatible with network or generator use
- Different output wave to fulfill professional welding requirement.

Package includes:

- Inverter power source
- WP-26 4m torch
- 2m earth cable
- Argon flowmeter



TIG



MMA

AC/DC

REMOTE
CONTROL

Technical Data	TIG	MMA
Input Power Voltage (V)	AC 220V +- 15%, 1PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	4.6	7
No-Load Voltage (V)	60	
Output Current Range (A)	5-200A	40-200A
Pre-Flow (S)	0-10 S	
Post-Flow (S)	0-10 S	
Pulse Frequency (HZ)	0.1-20	
Duty Cycle (%)	60% @ 40°C	
Weight (Kg)	14	
Dimension (mm)	480 x 201 x 295	

DIGITAL INVERTER

TIG/MMA/PULSE WELDING MACHINE

Pinnacle

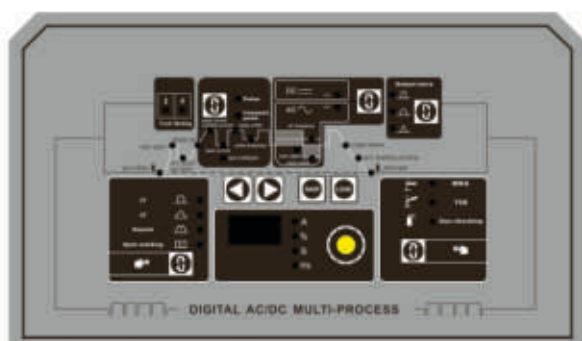
PRIMITIG AC/DC 318P

Digital Multi Process AC/DC PULSE TIG/MMA Machine

- AC/DC TIG/MMA/Pulse 4 in 1, much compact design for hand carry.
- Microprocessor control: simple operation, more perfect welding performance, 10 programs can be stored.
- Pulsing adds arc stability, reduces heat input and warpage and can increase travel speeds.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Auto-protection against over voltage and under voltage, default phase, against lightning stroke, over current, over heat etc.
- Compatible with network or generator use
- Different output wave to fulfill professional welding requirement.

Package includes:

- Inverter power source
- WP-26 4m torch
- 2m earth cable
- Argon flowmeter



TIG



MMA

AC/DC

REMOTE CONTROL

Technical Data	TIG	MMA
Input Power Voltage (V)	AC 380V +- 15%, 3PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	9	13
No-Load Voltage (V)	67	
Output Current Range (A)	5-315A	40-315A
Pre-Flow (S)	0-10 S	
Post-Flow (S)	0-10 S	
Pulse Frequency (HZ)	0.1-20	
Duty Cycle (%)	60% @ 40°C	
Weight (Kg)	26	
Dimension (mm)	515 x 280 x 435	

WATER COOLER

- Water cooler is integral with high temperature resistant material, put an end to slack phenomenon
- Proclined water filling and outfall design make the water run easier.
- Adopting the cooper high lift water pump especially designed for welding machines which can keep machines from rust and dirt. The pressure can be up to 3kg.
- Particular tunnel cooling design equipped with the cooper refrigerator which make the cooling capacity 30% higher than other similar cooler unit.
- European fast anti-leaking connector makes the operation easier and performance more reliable.



Sample Machines



Technical Data	
Power Voltage (V)	AC 380V +- 15%, 50Hz
Phase	1PH
Heat dissipation Capacity	1.5Kw (1L/min)
Power Capacity of Motor	370W
Max Pressure / Lift	0.3 Mpa/35m
Water Volume	10L
Operation Temperature	20°C - 60°C
Weight	15kg
Dimension (mm)	622 x 305 x 270

GENE ARC 183 COMBO

Processes:

- MMA

Package includes:

- Inverter welding machine
- Solar helmet
- Cable set
- Welding rods
- Carry Case

Features:

- A 160A DIY grade single phase inverter welder
- Compact, easy to carry
- ARC force, hot start
- Auto darkening helmet



Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-160A
Input Voltage Frequency (Hz)	50/60	Duty Cycle (%)	40
Rated Input Power Capacity (KVA)	4,5	Welding Electrode Size (mm)	2.5/3.2
Rated Input Current (A)	31	Weight (KG)	7
No-Load Voltage (V)	58	Dimension (mm)	500x390x180

GENE ARC 223 COMBO

Processes:

- MMA

Package includes:

- Inverter welding machine
- Solar helmet
- Cable set
- Welding rods
- Carry Case

Features:

- A 200A DIY grade single phase inverter welder
- Compact, easy to carry
- ARC force, hot start
- Auto darkening helmet



Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-200A
Input Voltage Frequency (Hz)	50/60	Duty Cycle (%)	40
Rated Input Power Capacity (KVA)	5,3	Welding Electrode Size (mm)	2.5/3.2/4.0
Rated Input Current (A)	45	Weight (KG)	8
No-Load Voltage (V)	65	Dimension (mm)	500x390x180

WAK CAMO INVERTER

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 camouflage design
- Suitable for carbon steel, stainless steel welding
- Arc force, hot start, digital display



Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-200A
Input Voltage Frequency (Hz)	50/60	ARC Force (A)	0-100
Rated Input Power Capacity (KVA)	6,5	Duty Cycle (%)	60% @ 200A
Rated Input Current (A)	48	Welding Electrode Size (mm)	2.5/4.0
No-Load Voltage (V)	65	Weight (KG)	8
		Dimension (mm)	360x160x212



INTRUARC 141

Processes:

- MMA

Package includes:

- Inverter power source
- 1,5m electrode holder & cable
- 1,5m earth clamp & cable

Features:

- A DIY grade single phase IGBT inverter
- Welding voltage & current dual display
- Suitable for carbon steel, stainless steel welding
- ARC force, hot start

Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-140A
Input Voltage Frequency (Hz)	50/60	Duty Cycle (%)	60% @ 140A
Rated Input Power Capacity (KVA)	4,5	Welding Electrode Size (mm)	2.5/3.2
Rated Input Current (A)	38	Weight (KG)	5
No-Load Voltage (V)	65	Dimension (mm)	350x150x200

INTRUARC 151

Processes:

- MMA

Package includes:

- Inverter power source
- 1,5m electrode holder & cable
- 1,5m earth clamp & cable

Features:

- A DIY grade single phase IGBT inverter
- Welding voltage & current dual display
- Suitable for carbon steel, stainless steel welding
- ARC force, hot start



Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-150A
Input Voltage Frequency (Hz)	50/60	Duty Cycle (%)	60% @ 150A
Rated Input Power Capacity (KVA)	4,9	Welding Electrode Size (mm)	2.5/3.2/4.0
Rated Input Current (A)	40	Weight (KG)	6
No-Load Voltage (V)	65	Dimension (mm)	350x150x200



INTRUARC 161

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
- New modern design
- Welding current digital display
- Suitable for carbon steel, stainless steel welding
- ARC force, hot start

Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-160A
Input Voltage Frequency (Hz)	50/60	Duty Cycle (%)	60% @ 160A
Rated Input Power Capacity (KVA)	4,7	Welding Electrode Size (mm)	2.5/3.2/4.0
Rated Input Current (A)	35	Weight (KG)	7
No-Load Voltage (V)	58	Dimension (mm)	350x150x230

GENE SP 22

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, hot start, digital display



Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-200A
Input Voltage Frequency (Hz)	50/60	ARC Force (A)	0-100
Rated Input Power Capacity (KVA)	6,5	Duty Cycle (%)	60% @ 200A
Rated Input Current (A)	48	Welding Electrode Size (mm)	2.5/4.0
No-Load Voltage (V)	65	Weight (KG)	8
		Dimension (mm)	360x150x200



INTRUARC 210 HD

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
- A DIY, semi industrial grade single phase IGBT inverter
- Suitable for carbon, stainless steel welding
- ARC force, hot start, digital display

Technical Data

Input Power Voltage (V)	AC 230V +- 10%, 1PH	Output Current Range (A)	20-200A
Input Voltage Frequency (Hz)	50/60	Duty Cycle (%)	80%
Rated Input Power Capacity (KVA)	6,5	Welding Electrode Size (mm)	2.5/4.0
Rated Input Current (A)	48	Weight (KG)	8
No-Load Voltage (V)	65	Dimension (mm)	365x155x248

MIGARC 165

Processes:

- MIG
- MIG / Gasless

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



Technical Data

Input Power Voltage (V)	AC 220V +- 15%, 1PH	Duty Cycle (%)	40%
Input Voltage Frequency (Hz)	50/60	Welding Wire Size (mm)	0.6/0.8
Rated Input Power Capacity (KVA)	4.4	Weight (KG)	8
No-Load Voltage (V)	56	Dimension (mm)	350 x 180 x 220
Output Current Range (A)	30-160A		



MIGARC 195

Processes:

- MIG
- MIG/Gasless
- MMA

Package includes:

- Inverter power source
- MIG torch
- Earth cable

Features:

- A DIY grade MIG/MMA welder with high performance
- Compact design with light weight
- Dual digital display
- Suitable for fluxcored wire welding

Technical Data

Input Power Voltage (V)	AC 220V +- 15%, 1PH	Duty Cycle (%)	40%
Input Voltage Frequency (Hz)	50/60	Welding wire size (mm)	0.6/0.8/0.9
Rated Input Power Capacity (KVA)	5.8	Weight (KG)	10
No-Load Voltage (V)	56	Dimension	350x190x235
Output Current Range (A)	30-190A		

MIGARC 225

Processes:

- MIG
- MIG/Gasless
- MMA

Package includes:

- Inverter power source
- MIG torch
- Earth cable

Features:

- A DIY grade MIG/MMA welder with high performance
- Compact design with light weight
- Dual digital display
- 5kg/15kg wire spool can be used
- Suitable for fluxcored wire welding



Technical Data

Input Power Voltage (V)	AC 220V +- 15%, 1PH	Duty Cycle (%)	60%
Input Voltage Frequency (Hz)	50/60	Welding Wire Size (mm)	0.6/0.8/0.9/1.0
Rated Input Power Capacity (KVA)	7,1	Weight (KG)	13
No-Load Voltage (V)	56	Dimension (mm)	360x245x255
Output Current Range (A)	30-200A		



WELDING ELECTRODES

WELDING ELECTRODES

PREMIUM SUPER 7 E6013 ELECTRODE



Application:

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 is self-lifting. The weld appearance is excellent.



Classification:

AWS A5.1 E6013
SABS 455 E4313/0315

Welding Position:



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 at 20°C	Elongation
460 Mpa	480 Mpa	80 J	24%

PINNACLE CLASS LEADING S PRO ELECTRODE



Application:

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 Position:



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 at 20°C	Elongation
480 Mpa	500 Mpa	90 J	28%

Made in South Africa by **Pinnacle**
Welding & Safety

WELDING ELECTRODES

SUPER 5 E6013 ELECTRODE

An 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 welder.

Applications:

Fence, windows, gates, steel poles and structures

Features:

- Conform to AWS A5.1 E6013
- All positional welding
- Tensile strength up to 450 Mpa
- Yield strength up to 460 Mpa
- Elongation 25%



Chemical Composition (%)				
C - 0.08	Mn - 0.58	Si - 0.19	P - 0.013	S - 0.013
Size (mm)	Welding Current (A)		Code	
2,5 / 1kg	60-95		1-1001160	
2,5 / 5kg	60-95		1-100116	
3,2 / 5kg	80-120		1-100117	

CHISA SH E6013 MILD STEEL



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.

Applications:

Sheet metal, fence, general light fabrication

Features:

- Conforms to AWS A5.1 E6013
- All positional welding
- Tensile strength up to 450 MPa
- Yield strength up to 460 MPa
- Elongation -25%

Chemical Composition (%)					
C 0.08	Mn 0.45	Si 0.18	S 0.012	P 0.014	Fe Rem
Size (mm)	Welding Current (A)		Code		
2.0	40-70		1kg 1-100119		
			4kg 1-100124		
2.5	60-95		1kg 1-100120		
			5kg 1-100125		
3.2	80-120		1kg 1-100121		
			5kg 1-100126		
4.0	100-150		5kg 1-100127		
5.0	140-200		5kg 1-100128		

CITOX E7018-1 LOW HYDROGEN

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 welds. This electrode offer a quiet, stable, spatter-free arc.

Applications:

Ship building, pressure vessels, boilers, piping, heavy duty equipment

Features:

- Conforms to AWS A5.1 & ASME SFA 5.1 E7018-1
- All positional welding
- Tensile strength up to 560 MPa
- Yield strength up to 480 MPa
- Elongation -29.4%
- Vacuum packed



Chemical Composition (%)					
C 0.08	Mn 1.00	Si 0.60	S 0.011	P 0.021	Fe Rem
Size (mm)	Welding Current (A)		Code		
2.5	65-95		1-100201		
3.2	90-130		1-100202		
4.0	130-190		1-100203		
5.0	190-250		1-100204		

WELDING ELECTRODES

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%.



Applications:

Ship building, boilers, heavy duty equipment

Features:

- Conforms to AWS A5.1 & ASME SFA 5.1 E7024
- Tensile strength up to 560 MPa
- Yield strength up to 480 MPa
- Elongation -27%

Chemical Composition (%)

C - 0.09	Mn - 0.65	Si - 0.35	P - 0.017	S - 0.008
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Size (mm)	Welding Current (A)	Code
3.2	120-150	1-100301
4.0	160-225	1-100302
5.0	220-330	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.

Applications:

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



Size (mm)	Welding Current (A)	Code
3.2	170-300	1-100410
4.0	225-400	1-100411

SUPERCLAD 33

SUPERCLAD 33 is rutile coated, AC/DC hardfacing electrode depositing a tough Cr Mn alloy weld metal with hardness of 40-50 HRC



Applications:

Tractor, idlers, track rolls, dragline pins and gears

Features:

- Conform to DIN 8555 EI-UM-400P

Chemical Composition (%)

C - 0.2	Mn - 1.2	Si - 0.8	Cr - 5.0	Mo - 0.2 Max
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Size (mm)	Welding Current (A)	Code
3.2	100-140	1-1004331
4.0	120-160	1-1004332

WELDING ELECTRODES

SUPERCLAD 33S

SUPERCLAD 33S is 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.

Applications:

Sugar mill roll, excavator bucket lips, dragline bucket.

Features:

- Conform to DIN 8555 E10-UM-55-GPR



Chemical Composition (%)			
C - 3.5	Mn - 2.0	Si - 1.0	Cr - 27
Size (mm)	Welding Current (A)	Code	
3.2	100-140	1-1004335	
4.0	120-160	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.

Applications:

- Sugar mill roll roughening
- Excavator bucket lips & teeth
- Dragline buckets
- Conveyor screws
- Rock chutes

Features:

- Conforms to DIN 8555 E10-UM-55-GPR
- Hardness 50-59 HRC



Chemical Composition (%)			
C - 3.5	Mn - 1.5	Cr - 29	Si - 0.8
Size (mm)	Welding Current (A)	Code	
3.2	110-150	1-100420	
4.0	140-180	1-100421	
5.0	170-210	1-100422	

SUPERCLAD 667B

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

Applications:

- Earth moving equipment
- Grader blades
- Earth scoops, bucket lips
- Conveyor screws
- Blast hole augers

Features:

- Conforms to DIN 8555 E10-UM-60-GPR
- HARDNESS 55-60 HRC



Chemical Composition (%)			
C 4.0	Mn 2.0	Cr 30	Si 1.0
Size (mm)	Welding Current (A)	Code	
3.2	110 - 150	1-100430	
4.0	140 - 180	1-100431	
5.0	180 - 240	1-100432	

WELDING ELECTRODES

SUPERCAST 55

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

Applications:

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.

Features:

- Conforms to AWS A5.15 ENiFe-CI
- Close colour match
- Good Machinability



Chemical Composition (%)				
C	Mn	Si	Ni	Cu
2.0	2.5	4.0	55	2.5

Size (mm)	Welding Current (A)	Code
2.5	50-80	1-100501
3.2	80-120	1-100502
4.0	110-140	1-100503

SUPERCAST 99

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

Applications:

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

Features:

- Conforms to AWS A5.15 ENi-CI
- Excellent Machinability
- Close colour match



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

Size (mm)	Welding Current (A)	Code
2.5	30-70	1-100504
3.2	70-110	1-100505
4.0	90-130	1-100506

ALUWELD Si5

A 5% silicon aluminium arc welding electrode with self lifting slag. Can be used as brazing alloy.

Applications:

Suitable for arc welding wrought and cast aluminium alloys, alloyed with copper, silicon and magnesium. Also for joining dissimilar grades of aluminium

Features:

- Conforms to AWS A5.3 E4043
- Convenient arc aluminium welding



Chemical Composition (%)				
Si	Mn	Cu	Fe	Mg
5.25	0.002	0.01	0.17	0.002

Size (mm)	Welding Current (A)	Code
2.5	50 - 80	1-100520
3.2	70 - 120	1-100521
4.0	110 - 150	1-100522

WELDING ELECTRODES

STAINARC 316L

A low carbon, 19% Cr, 12% Ni and 2.5% Mo, rutile coated electrodes. For welding 316 and 316L grade stainless steel.



Applications:

Used such as high temperature equipment, heat exchanger, chemical storage, tanks, oil refining equipment and pharmaceutical equipment.

Features:

- Conforms to AWS A5.4 E316L-16
- Tensile - 650 MPa, Yield - 440 MPa, Elongation - 35%

Chemical Composition (%)							
C	Mn	Si	Cr	Ni	Mo	S	P
0.04	1.0	0.7	19	12	2.5	0.02	0.03
Size (mm)			Welding Current (A)		Code		
2.5			50-90		1-100601		
3.2			70-130		1-100602		
4.0			100-170		1-100603		

STAINARC 308L

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



Applications:

Used on brewing equipments, vacuum pump spares, dairy equipments, chemical handling equipments and food processing.

Features:

- Conforms to AWS A5.4 E308L-16
- Tensile - 570 MPa, Yield - 380 MPa, Elongation - 40%

Chemical Composition (%)							
C	Mn	Si	Cr	Ni	S	P	
0.03	1.0	0.7	19	9.5	0.01	0.03	
Size (mm)			Welding Current (A)		Code		
2.5			50-90		1-100604		
3.2			80-130		1-100605		
4.0			100-170		1-100606		

STAINARC 309L

A low carbon, 23% Cr, 12% Ni rutile coated electrodes for welding corrosion resistant and heat resistant steels of 309 types.



Applications:

Used on furnace parts, aircraft components, heat exchangers 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.

Features:

- Conforms to AWS A5.4 E309L-16
- Tensile - 650 MPa, Yield - 450 MPa, Elongation - 30%

Chemical Composition (%)							
C	Mn	Si	Cr	Ni	S	P	
0.03	1.0	0.75	23.6	12.5	0.01	0.03	
Size (mm)			Welding Current (A)		Code		
2.5			50-85		1-100607		
3.2			80-120		1-100608		
4.0			100-150		1-100609		

WELDING ELECTRODES

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 compositions. Welding of dissimilar steel from carbon steel to stainless steel.

Applications:

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

Features:

- Conforms to AWS A5.4 E312-16
- Tensile - 700 MPa, Yield - 620 MPa, Elongation - 24%
- Light blue coating for unique identification



Chemical Composition (%)							
C	Mn	Si	Cr	Ni	Mo	S	P
0.10	1.5	0.8	29	9	0.15	0.02	0.02
Size (mm)			Welding Current (A)		Code		
2.5			45-80		1-100613		
3.2			75-110		1-100614		
4.0			110-150		1-100615		

STAINARC 310

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

Applications:

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

Features:

- Conforms to AWS A5.4 E310-16
- Tensile - 650 MPa, Yield - 400 MPa, Elongation - 30%



Chemical Composition (%)							
C	Mn	Si	Cr	Ni	Mo	S	P
0.1	2.0	0.7	25	21	0.2	0.02	0.02
Size (mm)			Welding Current (A)		Code		
2.5			50-70		1-100620		
3.2			80-95		1-100621		
4.0			95-130		1-100622		

STAINARC 2209

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

Applications:

Suit for welding SAF 2205 and LDX 2101

Classifications:

- Conform to AWS A5.4 E2209-16

Mechanical Properties:

- Tensile strength up to ≥ 760 Mpa
- Yield strength up to ≥ 620 Mpa
- Elongation on 4d $\geq 25\%$



Chemical Composition (%)						
C	Mn	Si	Cr	Ni	Mo	
0.04	0.9	0.8	22.0	9.0	3.0	
Size (mm)		Welding Current (A)		Code		
2.5		50-80		1-100116		
3.2		70-120		1-100117		



ARC WELDING ACCESSORIES

ARC WELDING ACCESSORIES

FLIP FRONT HELMET



Code : 8-100118

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



AUTO DARKENING SPECTACLE



Code: 8-100100

- 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

WAK CAMO HELMET

Technical Data	
Viewing Area	92 x 42mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar cell
Switching Time	1/25000s
Dark to Light	0.1 - 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



Code: 8-1001041

- Solar-powered for long life, up to 5,000 hours
- fully adjustable shade 6-13
- Features auto-off circuitry at 15-20min
- Two independent ARC sensors
- Lens darkening reaction 1/25,000 sec
- Ideal for ARC, MIG, TIG welding & Plasma cutting
- Includes replacement cover lenses

ARC WELDING ACCESSORIES



Code : 8-100101

- Solar powered for long life, up to 2,000 hours
- Features Auto-off circuitry at 15-20 min
- Two independent arc sensors
- Ideal for ARC, MIG & TIG Welding
- Light weight, fully adjustable headgear
- Includes replacement cover lenses

MAGNUM S

Technical Data

Viewing Area	90 x 35 mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 10 (11)
Power Supply	Solar cell, no battery req.
Switching Time	1/5000S Light to Dark
Dark to Light	0.25 - 0.45 S
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



Code : 8-100102

- Solar powered for long life, up to 2,000 hours
- Features Auto-off circuitry at 15-20 min
- Two independent arc sensors
- Ideal for ARC, MIG & TIG Welding
- Light weight, fully adjustable headgear
- Includes replacement cover lenses

DECASOLA

Technical Data

Viewing Area	90 x 35 mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 10 (11)
Power Supply	Solar cell, no battery req.
Switching Time	1/5000S Light to Dark
Dark to Light	0.25 - 0.45 S
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



Code : 8-100103

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

OTOSOLA

Technical Data

Viewing Area	92 x 42 mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar cell, no battery req.
Switching Time	1/25000S Light to Dark
Dark to Light	0.1-1.0 S
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

ARC WELDING ACCESSORIES

BATMAN

Technical Data

Viewing Area	92 x 42 mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar cell, no battery req.
Switching Time	1/25000S Light to Dark
Dark to Light	0.1-1.0 S
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



Code : 8-100104

- Solar powered for long life, up to 5,000 hours
- Superior designs
- Variable, Shade 9-13, Variable Sensitivity and Delay control
- Lens darkening reaction 1/25,000 sec
- Ideal for ARC, MIG, TIG Welding & Plasma Cutting
- Includes replacement cover lenses

GARAGE

Technical Data

Viewing Area	92 x 42 mm
ARC Sensor	2
Light State	DIN 4
Dark State	Shade 9-13
Power Supply	Solar cell, no battery req.
Switching Time	1/25000S Light to Dark
Dark to Light	0.1-1.0 S
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



Code : 8-100103-1

- Solar powered for long life, up to 5,000 hours
- Superior designs
- Limited Edition
- Variable, Shade 9-13, Variable Sensitivity and Delay control
- Lens darkening reaction 1/25,000 sec
- Ideal for Automotive industry welding
- Includes replacement cover lenses

Welding Skull Cap Red

The Pinnacle welding skull cap is manufactured from 100% cotton, the cap is worn underneath the workers welding helmet, hard hat and/or brow cover. This serves to protect the users exposed neck area and also provides a more sanitary safety hat or helmet by preventing perspiration and germs from contaminating the safety hat or welding helmet

Code : 13-100168



ARC WELDING ACCESSORIES

PINNACLE WELDING HOOD

- Flame retardant



Code: 13-1001681

WELDING HELMET FOR HARD HAT



Code: 13-100415

OUT PROTECTIVE LENS FOR MAGNUM S



Code: 8-100105

OUT PROTECTIVE LENS FOR DECASOLA



Code: 8-100106

OUT PROTECTIVE LENS FOR OTOSOLA



Code: 8-100107

OUT PROTECTIVE LENS FOR BATMAN



Code: 8-1001071

INNER PROTECTIVE LENS



Code	Helmet
8-100108	for Otosola
8-100109	for Magnum S & Decasola

AUTO DARKENING FILTER LENS 300F

- Use with Pinnacle Magnum S & Decasola



Code: 8-100110

ARC WELDING ACCESSORIES

AUTO DARKENING FILTER LENS 500S

- Use with Pinnacle Ootosola & Batman



Code: 8-100111

HEAD GEAR

- Use with Pinnacle Magnum S & Decasola



Code: 8-100115

HEAD GEAR

- Use with Pinnacle Ootosola & Batman



Code 8-100116

LENS 108 X 51 MM



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

ELECTRODE HOLDER OPTIMUS

- * For Heavy Duty Welding



Size	Code
OPTI 400A	8-100130
OPTI 600A	8-100131

ELECTRODE HOLDER SAM JAW TYPE

- * For Medium to Heavy Duty Welding



Size	Code
JAW 300A	8-100135
JAW 500A	8-100136

ELECTRODE HOLDER KD TYPE

- * For DIY to Light Duty Welding



Size	Code
KD 300A	8-100140
KD 500A	8-100141

ARC WELDING ACCESSORIES

ELECTRODE HOLDER TWIST LOCK TYPE

* For Extra Heavy Duty Welding



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

G TYPE CLAMP 600A

* For Extra Heavy Duty Welding



Code: 8-100153

EARTH CLAMP 200A CROC TYPE



Code: 8-100150

EARTH CLAMP 400A CROC TYPE



Code: 8-100151

EARTH CLAMP 600A CROC TYPE



Code: 8-100152

CHIPPING HAMMER



Code: 8-100160

WIRE BRUSH MILD STEEL



Code: 8-100161

WIRE BRUSH STAINLESS STEEL



Code: 8-100162

ARC WELDING ACCESSORIES

CABLE CONNECTOR DINSE PLUG (MALE)



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

CABLE CONNECTOR DINSE PLUG (FEMALE)



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

MACHINE PANEL SOCKET (MALE)



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

MACHINE PANEL SOCKET (FEMALE)



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

WELDING CABLES



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

Size	Colour	Code	100%	85%	60%	30%	20%
16	Green	8-100190	110	120	145	200	250
25	Blue	8-100191	150	165	195	275	340
35	Grey	8-100192	185	200	240	340	415
50	Red	8-100193	230	250	300	420	520
70	Brown	8-100194	290	315	380	530	650
95	Yellow	8-100195	355	385	465	650	800

WELDING CABLE SET 160A

• 2M+2M



Code: 8-100198

WELDING CABLE SET 250A

• 2M+2M



Code: 8-100199

ARC WELDING ACCESSORIES

6 PIECE WELDING KIT 160A

Contents: Welding cable set, gloves, helmet, chipping hammer, brush



Code: 8-100401

6 PIECE WELDING KIT 250A

Contents: Welding cable set, gloves, helmet, chipping hammer, brush



Code: 8-100402

WELDING MAGNETS



Size	Code
25lbs (11.4kg)	8-100165
50lbs (22.7kg)	8-100166
75lbs (34kg)	8-100167

MAGNETIC WELDING GROUND CLAMP



Code: 8-100168

K4 GOUGING TORCH

- Heavy duty with swivel head
- 1000A



Code: 8-100300

K5 GOUGING TORCH

- Heavy duty with swivel head
- 1200A



Code: 8-100301

WELDING CURTAIN



Size	Code
2M x 2M	8-100210
3M x 2M	8-100211
3M x 3M	8-100212

GLASS FIBRE FIRE BLANKET



Size	Code
2M x 2M	8-100217
3M x 2M	8-100218
3M x 3M	8-1002181

ARC WELDING ACCESSORIES

CABLE LUGS



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

STAINLESS PICKLING PASTE

- 1 Litre



Code: 9-100070

STAINLESS PASSIVATING GEL

- 1 Litre



Code: 9-100071

ALU BRITE

- Use for aluminium cleaning & brightener



Code: 9-100073

RUST REMOVER

- For removal of light oil and finger prints on stainless fabrication



Code: 9-100072

BLUE ARC ANTI SPATTER WATER BASED

- Water Based



Size	Code
500 ml spray bottle	9-100090
5 Litre	9-100091
20 Litre	9-1000911

ARC WELDING ACCESSORIES

ANTI-SPATTER

• Aerosol



Type	Code
Silicone Free 300 ml	9-100101
Silicone 400 ml	9-100102

BOILER MAKER CHALK



Code: 9-100110

ENGINEERING AEROSOL



Type	Code
Penetrant 325 ml	9-100103
Developer 325 ml	9-100104
Cleaner 300 ml	9-100105
Marking Blue 400 ml	9-100106

TRANSFORMER OIL



Size	Code
1 Litre	9-100120
5 Litre	9-100121

PERMANENT MARKER



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

PAINT MARKER PEN



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



MIG TORCH & ACCESSORIES



MIG TORCH & ACCESSORIES

The Pinnacle S-Type MIG / MAG torches are available in air and water cooled variants and combines progressive technology and quality. All torches are thoroughly designed to provide comfort and precision for every application.

MB15 4M



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

MB25 4M



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

MB36 4M



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

MB40 4M



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

MIG TORCH & ACCESSORIES

MB501 4M

(Water-Cooled)



Technical Data

Product Code 11-100094

Rating 500A CO2

450A Mixed Gas

Duty Cycle 60%

Wire Size 0.8 - 1.6 mm

RB61 4M



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



Technical Data

Product Code 11-100085

Rating 130A CO2

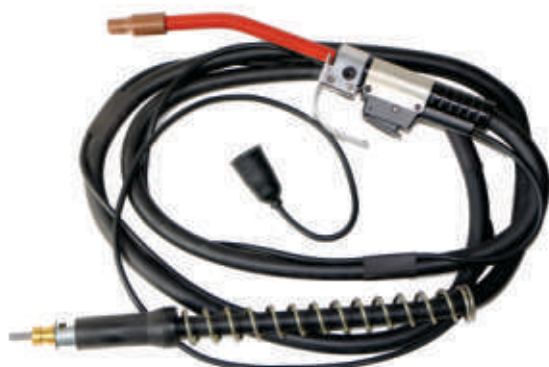
Duty Cycle 30%

Spool Size 1kg Weight, 4 Inch Diameter

Wire Size 0.8, 0.9 mm

FLUX CORED TORCH

(Self-Shielding)



Technical Data

Product Code 11-100080

Rating 350A

Duty Cycle 60%

Wire Size 1.0 - 2.4 mm

MIG TORCH & ACCESSORIES

CONTACT TIP M6



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

* Use on MB15 / 25 / 36 Torch

CONTACT TIP M8



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

* Use on MB36 / 40 / 501 Torch

CONTACT TIP M10



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

* Use on RB61 Torch

CONICAL SHROUD NOZZLE MB15



Code: 11-100140

CONICAL SHROUD NOZZLE MB25



Code: 11-100141

CONICAL SHROUD NOZZLE MB36



Code: 11-100142

CONICAL SHROUD NOZZLE MB40



Code: 11-100143

CONICAL SHROUD NOZZLE MB501



Code: 11-100144

MIG TORCH & ACCESSORIES

CONICAL SHROUD NOZZLE RB61



Code: 11-100145

TIP ADAPTOR MB15 X M6



Code: 11-100150

TIP ADAPTOR MB25 X M6



Code: 11-100151

TIP ADAPTOR MB 36 X M6



Code: 11-100152

TIP ADAPTOR MB 36 X M8



Code: 11-100153

TIP ADAPTOR MB40 X M8



Code: 11-100154

TIP ADAPTOR MB501 X M8



Code: 11-100155

TIP ADAPTOR RB61 X M8



Code: 11-100156

MIG TORCH & ACCESSORIES

GAS DIFFUSER MB36



Code: 11-100160

GAS DIFFUSER MB40



Code: 11-100161

GAS DIFFUSER MB501



Code: 11-100162

GAS DIFFUSER RB61



Code: 11-100163

LINER 4M



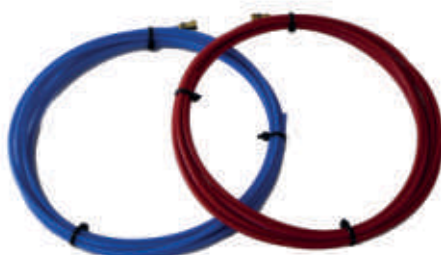
Code	Colour	Wire Size
11-100170	Blue	0.6 - 0.9mm
11-100171	Red	1.0 - 1.2mm
11-100172	Yellow	1.2 - 1.6mm

STEEL LINER FOR MB501 4M



Code: 11-100173

TEFLON LINER 4M



Code	Colour	Wire Size
11-100175	Blue	0.6 - 0.9mm
11-100176	Red	1.0 - 1.2mm

SWAN NECK MB15



Code: 11-100180

MIG TORCH & ACCESSORIES

SWAN NECK MB25



Code: 11-100181

SWAN NECK MB36



Code: 11-100182

SWAN NECK MB40



Code: 11-100183

SWAN NECK MB501



Code: 11-100184

CO2 ARGON ADAPTOR



Code: 11-100190

MIG WELDING PLIER



Code: 11-100410

MIG TORCH & ACCESSORIES

PANASONIC TYPE MIG TORCH & SPARES

350A 4M TORCH EURO ADAPTOR



CONTACT TIP M6



1,0mm Code: 11-100510

1,2mm Code: 11-100511

1,4mm Code: 11-100512

350A GAS NOZZLE



350A GAS DIFFUSER



350A INSULATOR



350A CONTACT TIP HOLDER



350A SWAN NECK



500A 4M TORCH EURO ADAPTOR



500A GAS NOZZLE



500A GAS DIFFUSER



500A INSULATOR



500A CONTACT TIP HOLDER



500A SWAN NECK





**TIG TORCH &
ACCESSORIES**

TIG TORCH & ACCESSORIES

WP-17V 4M



Technical Data

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

WP-26V 4M (8M)



Technical Data

WP-26V 4M Code:	12-100091
WP-26V 8M Code:	12-100092
Type of cooling:	Air-cooled
Gas:	Argon
Rating:	200A DC, 160A AC
Duty Cycle:	35%
Tungsten Electrodes:	Ø 0.5-4.0mm

WP-18V 8M



Technical Data

Code:	12-100093
Type of cooling:	Water-cooled
Gas:	Argon
Rating:	350A DC, 250A AC
Duty Cycle:	100%
Tungsten Electrodes:	Ø 0.5-4.0mm
Min. Water Flow:	1.5L/min
Gas Flow:	7-20L/min

TORCH BODY



17V Code: 12-100110
26V Code: 12-100111

BACK CAP LONG 57Y02



Code : 12-100112

TIG TORCH & ACCESSORIES

BACK CAP SHORT 57Y04



Code : 12-100113

ALUMINA CERAMIC NO 8 10N46

Use with WP17V / WP26V torch



Code : 12-100120

ALUMINA CERAMIC NO 7 10N47

Use with WP17V / WP26V torch



Code : 12-100121

ALUMINA CERAMIC NO 6 10N48

Use with WP17V / WP26V torch



Code : 12-100122

ALUMINA CERAMIC NO 5 10N49

Use with WP17V / WP26V torch



Code : 12-100123

ALUMINA CERAMIC NO 4 10N50

Use with WP17V / WP26V torch



Code : 12-100124

CERAMIC GAS LENS NO 8 54N14

Use with WP26V torch



Code : 12-100125

CERAMIC GAS LENS NO 7 54N15

Use with WP26V torch



Code : 12-100126

TIG TORCH & ACCESSORIES

CERAMIC GAS LENS NO 6 54N16

Use with WP26V torch



Code: 12-100127

COLLETS

Use with WP17V / WP26V / WP18V torch



Code:	Description
12-100130	1.6mm 10N23
12-100131	2.4mm 10N24
12-100132	3.2mm 10N25

COLLET BODY

Use with WP17V / WP26V / WP18V torch



Code:	Description
12-100135	1.6mm 10N31
12-100136	2.4mm 10N32
12-100137	3.2mm 10N28

GAS LENS COLLET BODY



Code:	Description
12-100140	2.4mm, 45V26

TUNGSTEN ELECTRODE 2% THORIATED

- Red tip
- TIG welding with carbon steel, stainless steel, nickel alloy



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

TUNGSTEN ELECTRODE ZIRCONIATED

- White tip
- TIG welding with aluminium



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



PLASMA TORCH & ACCESSORIES



PLASMA TORCH & ACCESSORIES

PANASONIC TYPE

PT31 - 5M



Technical Data

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

PT31 CUTTING TIP SHORT



Code: 14-100102

PT31 ELECTRODE SHORT



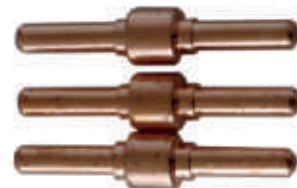
Code: 14-100103

PT31 CUTTING TIP LONG



Code: 14-100104

PT31 ELECTRODE LONG



Code: 14-100105

PT31 GAS DIFFUSER



Code: 14-100106

PT31 GAS SHIELD CUP



Code: 14-100107

PLASMA TORCH & ACCESSORIES

PANASONIC TYPE

P60 (SG55) - 5M



Technical Data

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

P60 SPACE



Code: 14-100204

AG60 NOZZLE TIP



Code: 14-100202

AG60 ELECTRODE



Code: 14-100201

AG60 SHIELD CUP



Code: 14-100203

PLASMA TORCH & ACCESSORIES

PANASONIC TYPE

P80 - 5M



Technical Data

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

P80 SITE WHEEL



Code: 14-100304

P80 NOZZLE TIP



Code: 14-100302

P80 ELECTRODE



Code: 14-100301

P80 SHIELD CUP

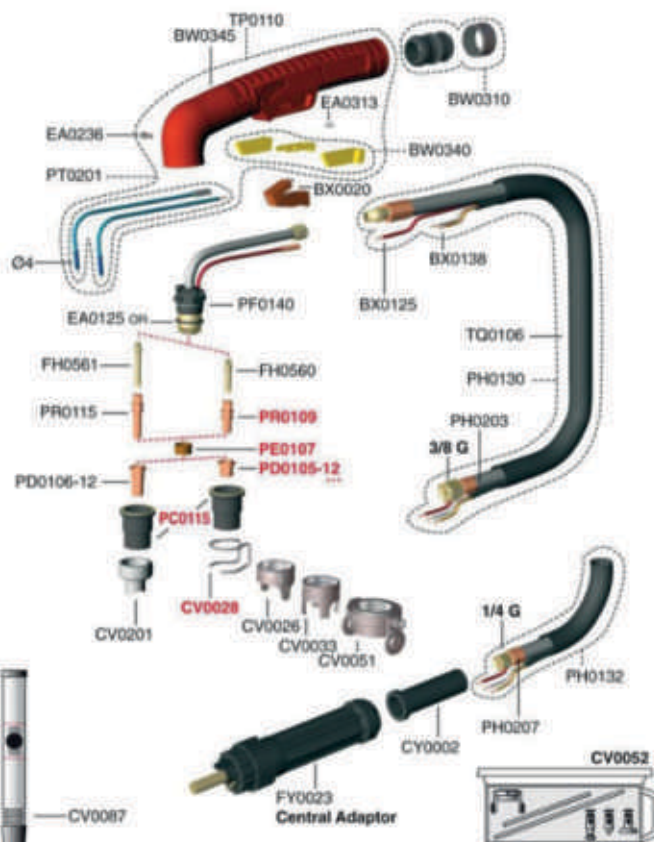


Code: 14-100303

PLASMA TORCH & ACCESSORIES

TRAFIMET TYPE

A81 SPARES

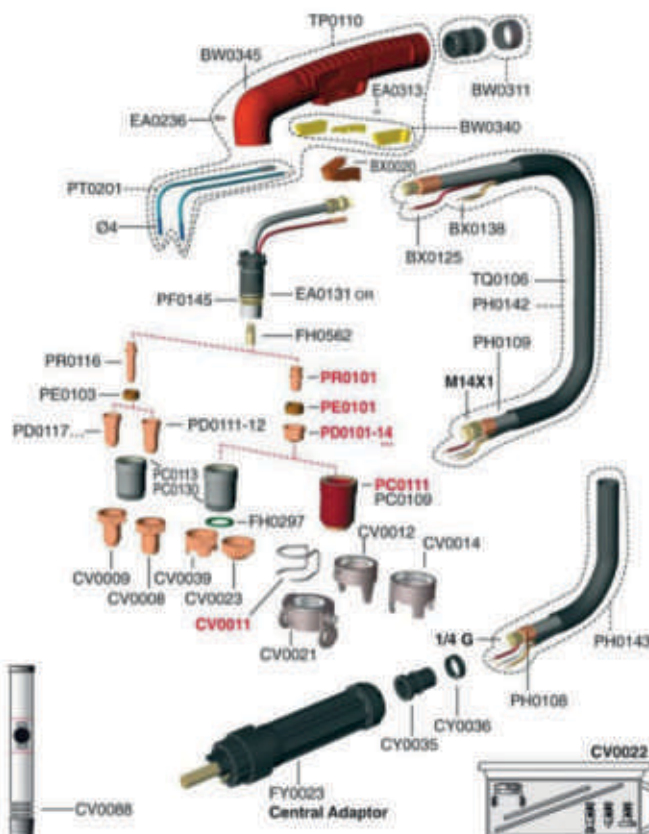


CODE	DESCRIPTION
14-BX0020	TRIGGER
14-CV0028	STAND OFF GUIDE
14-CV0033	FOUR PINS CROWN SHIELD
14-CV0201	LONG CONTACT CUTTING ATTACHMENT
14-FH0560	DIFFUSER
14-FH0561	LONG DIFFUSER
14-PC0115	TRIGGER
14-PD0105-10	TIP 1.0 A81
14-PD0105-12	TIP 1.2 A81
14-PD0106-12	LONG TIP 1.2 A81
14-PE0107	AIR DIFFUSER A81
14-PR0109	LONG LIFE ELECTRODE A81
14-PR0115	LONG LIFE ELECTRODE A81 NEW TYPE
14-EA0125	O-RING

PLASMA TORCH & ACCESSORIES

TRAFIMET TYPE

A101 SPARES

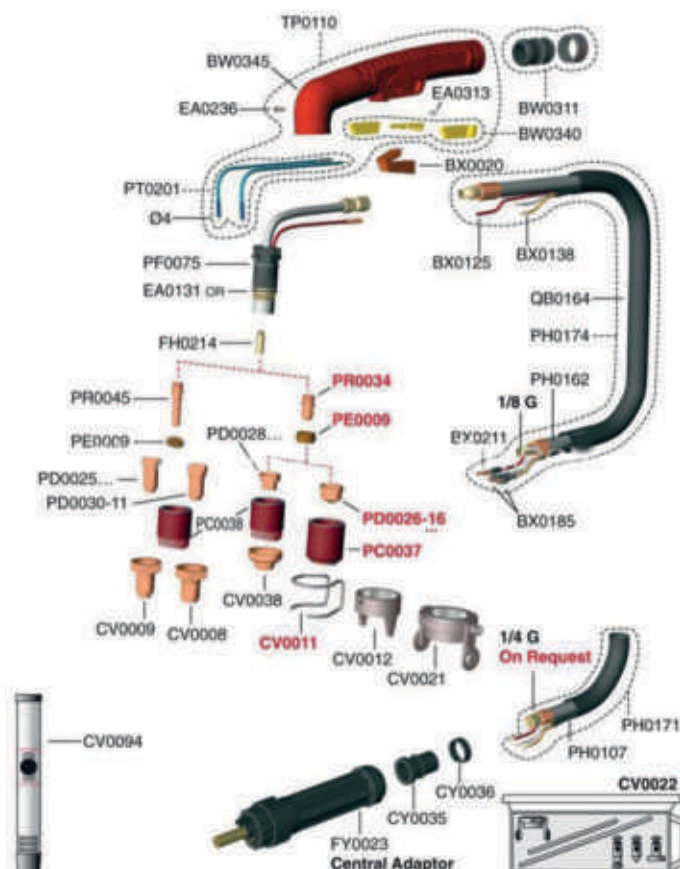


CODE	DESCRIPTION
14-CV0008	CONTACT CUTTING ATTACHMENT
14-CV0009	LONG CONTACT CUTTING ATTACHMENT
14-CV0011	STAND OFF GUIDE
14-CV0012	TWO PINS CROWN SHIELD
14-CV0014	FOUR PINS CROWN SHIELD WITH INSULATOR
14-CV0021	CARRIAGE A101
14-CV0023	CONTACT CUTTING ATTACHMENT
14-CV0039	FOUR PINS CROWN SHIELD WITH INSULATOR
14-EA0131	O-RING
14-FH0562	DIFFUSER
14-PC0109	OUTSIDE NOZZLE A101
14-PC0111	HEAVY DUTY NOZZLE A101
14-PC0113	CONTACT CUTTING NOZZLE A101
14-PC0130	CONTACT CUTTING NOZZLE LONG LIFE A101
14-PD0101-11	TIP 1.1 A101/A141
14-PD0101-14	TIP 1.4 A101/A141
14-PD0101-17	TIP 1.7 A101/A141
14-PD0111	LONG TIP A101/A141
14-PD0117-14	LONG TIP 1.4 A101/ A141
14-PD0117-17	LONG TIP 1.7 A101/ A141
14-PD0117-19	LONG TIP 1.9 A101/ A141
14-PE0101	AIR DIFFUSER A101/A141
14-PE0103	AIR DIFFUSER A151
14-PR0101	ELECTRODE A101
14-PR0116	LONG ELECTRODE A101

PLASMA TORCH & ACCESSORIES

TRAFIMET TYPE

A141 SPARES



CODE	DESCRIPTION
14-CV0011	STAND OFF GUIDE
14-CV0012	TWO PINS CROWN SHIELD
14-CV0013	GOUGING SHIELD
14-CV0014	FOUR PINS CROWN SHIELD WITH INSULATOR
14-CV0023	CONTACT CUTTING ATTACHMENT
14-CV0039	FOUR PINS CROWN SHIELD WITH INSULATOR
14-EA0131	O-RING
14-FH563	DIFFUSER
14-PC0102	HEAVY DUTY NOZZLE A141
14-PC0103	CONTACT CUTTING NOZZLE A141
14-PD0101-14	TIP 1.4 A101/A141
14-PD0101-17	TIP 1.7 A101/A141
14-PD0101-19	TIP 1.9 A101/A141
14-PD0117-14	LONG TIP 1.4 A101/ A141
14-PD0117-17	LONG TIP 1.7 A101/ A141
14-PD0117-19	LONG TIP 1.9 A101/ A141
14-PD0111	LONG TIP A101/A141
14-PE0101	AIR DIFFUSER A101/A141
14-PE0103	AIR DIFFUSER A151



GAS CUTTING & WELDING

GAS CUTTING & WELDING

WELDING & CUTTING OUTFIT



Conform to:
EN ISO 5172

* Complete outfit contents

- 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

Code	Torch Handle	Cutting Attachment	Mixer	Oxygen Regulator	Acetylene Regulator	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



Conform to:
EN ISO 5172

* Complete outfit contents

- 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

Code	Torch Handle	Cutting Attachment	Oxygen Regulator	Acetylene Regulator	Nozzle Cleaner	AFN Nozzle	Brazing Nozzle
10-100109	☐	☐	☐	☐	☐	2	2

* Flash back arrestor optional

GAS CUTTING & WELDING

SINGLE STAGE OXYGEN REGULATOR



Conform to EN2503

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

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

SINGLE STAGE ACETYLENE REGULATOR



Conform to EN2503

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

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

MULTI STAGE OXYGEN REGULATOR



Conform to EN2503

- 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

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

MULTI STAGE ACETYLENE REGULATOR



Conform to EN2503

- 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

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

GAS CUTTING & WELDING

LPG REGULATOR WITH GAUGE



Conform to EN2503

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

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

ARGON FLOWMETER



Conform to EN2503

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

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

CUTTING TORCH PREMIUM RED HANDLE



Conform to EN5172

- 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

Code	10-100115A
Length	500 mm
90° Head	

UNIVERSAL CUTTING TORCH



Conform to EN5172

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

Code	10-100115
Length	500 mm
90° Head	

GAS CUTTING & WELDING

CUTTING ATTACHMENT



- British type
- Cuts up to 200mm steel
- Stainless tubes for strength
- Head & body forged in brass
- Press lever for easy cutting use
- Use with ANM, ANME, PNM, & PNME nozzle

Code 10-100126

90° Head

Conform to EN5172

TORCH HANDLE



- British type
- Cuts up to 200mm steel
- Welds up to 9mm steel
- Stainless steel needle valve
- Head & body forged in brass
- Press lever for easy cutting use
- Brass Handle

Code 10-100125

Conform to EN5172

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	8mm	+/- 16.3mm	4.1mm	7000 kpa	100m/roll
10-100186 Acetylene	8mm	+/- 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	8mm	+/- 16.3mm	4.1mm	7000 kpa	100m/roll

GAS CUTTING & WELDING

PARALLEL HOSE CLAMP 8MM



Code : 10-100190

OETIKER HOSE CLAMP



13 X 15mm Code: 10-100191

15 X 18mm Code: 10-100192

HOSE ASSEMBLY 10M



Oxygen Code : 10-100195

Acetylene Code : 10-100196

HOSE KIT 3/8" BSP



RH Code : 10-100195

LH Code : 10-100196

G6 HOSE CLAMP



17-GRH240A G6 HOSE CLAMP 8-12MM

17-GRH240B G6 HOSE CLAMP 10-16MM

17-GRH240C G6 HOSE CLAMP 13-19MM

17-GRH240D G6 HOSE CLAMP 16-25MM

ANM, 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)
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

GAS CUTTING & WELDING



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, PNME CUTTING NOZZLE

- Use with pinnacle universal cutting torch & cutting attachment
- Use with oxygen & propane gases



Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Propane 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



Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Propane 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 & acetylene gases

Size	Code	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
000NX	10-100348	1-5	1.5	0.5	53
00NX	10-100349	5-10	1.5	0.5	53
0NX	10-100350	10-15	2.0	1.0	53
1NX	10-100351	15-25	2.5	1.0	53
2NX	10-100352	25-50	3.0	1.0	53
3NX	10-100353	50-100	3.5	1.0	53
4NX	10-100354	100-150	4.0	1.5	53

GAS CUTTING & WELDING

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	Material Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Length (mm)
3	10-100150	2.0	1.0	0.15	130
5	10-100151	2.6	1.0	0.15	130
7	10-100152	3.2	1.0	0.15	175

FLASH BACK ARRESTER



Conform to EN730

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

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

GAS CUTTING & WELDING

LPG HEATING NOZZLE



Type	Code	Heat Out - put (kj)	Gas Consumption (kg/h)			
			Oxygen Low	Oxygen Hi	LPG Low	LPG Hi
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



Code: 10-100130

HIGH PRESSURE MIXER TYPE 2



Code: 10-100131

NOZZLE CLEANER



Code: 10-100103

REPLACEMENT FOR FLINT LIGHTER



Code: 10-100102

FLINT LIGHTER



Code: 10-100101

STAINLESS LANCE TUBE



600MM - Code: 10-100132

1000MM - Code: 10-100133

GAS CUTTING & WELDING

SINGLE GAS TROLLEY



Code: 10-100111

DOUBLE GAS TROLLEY



Code: 10-100112

LPG GAS TROLLEY



Code: 10-100113

OXYGEN - LPG GAS TROLLEY



Code: 10-100114

PORTAPAK TROLLEY



Code: 10-100141

RED DEVIL LPG REGULATOR HIGH PRESSURE



Code: 10-100171

LOW PRESSURE LPG REGULATOR



Code: 10-100170

Y PIECE



Oxygen Code: 10-100179

Acetylene Code: 10-100180

GAS CUTTING & WELDING

INLET STEM (BULL NOSE)



Code: 10-100400

BULL NOSE NUT



Oxygen RH : 10-100401

Acetylene LH : 10-100402

TAIL PIECE 8 MM 3/8"



Code: 10-100405

TAIL NUT 3/8"



Oxygen RH : 10-100403

Acetylene LH : 10-100404

NOZZLE NUT

*Use with universal cutting torch



Code: 10-100406

TAIL PIECE 8 MM 9/16"



Code: 10-100412

TAIL NUT 9/16"



Oxygen : 10-100410

Acetylene : 10-100411

BLOW TORCH MANUAL



Code: 10-100601

GAS CUTTING & WELDING

BLOW TORCH AUTOMATIC



Code: 10-100602

GAS CARTRIDGE 190G PIERCEABLE



Code: 10-100603

LPG HEATING TORCH 800MM



Code: 10-100610A

LPG HEATING TORCH 1000MM

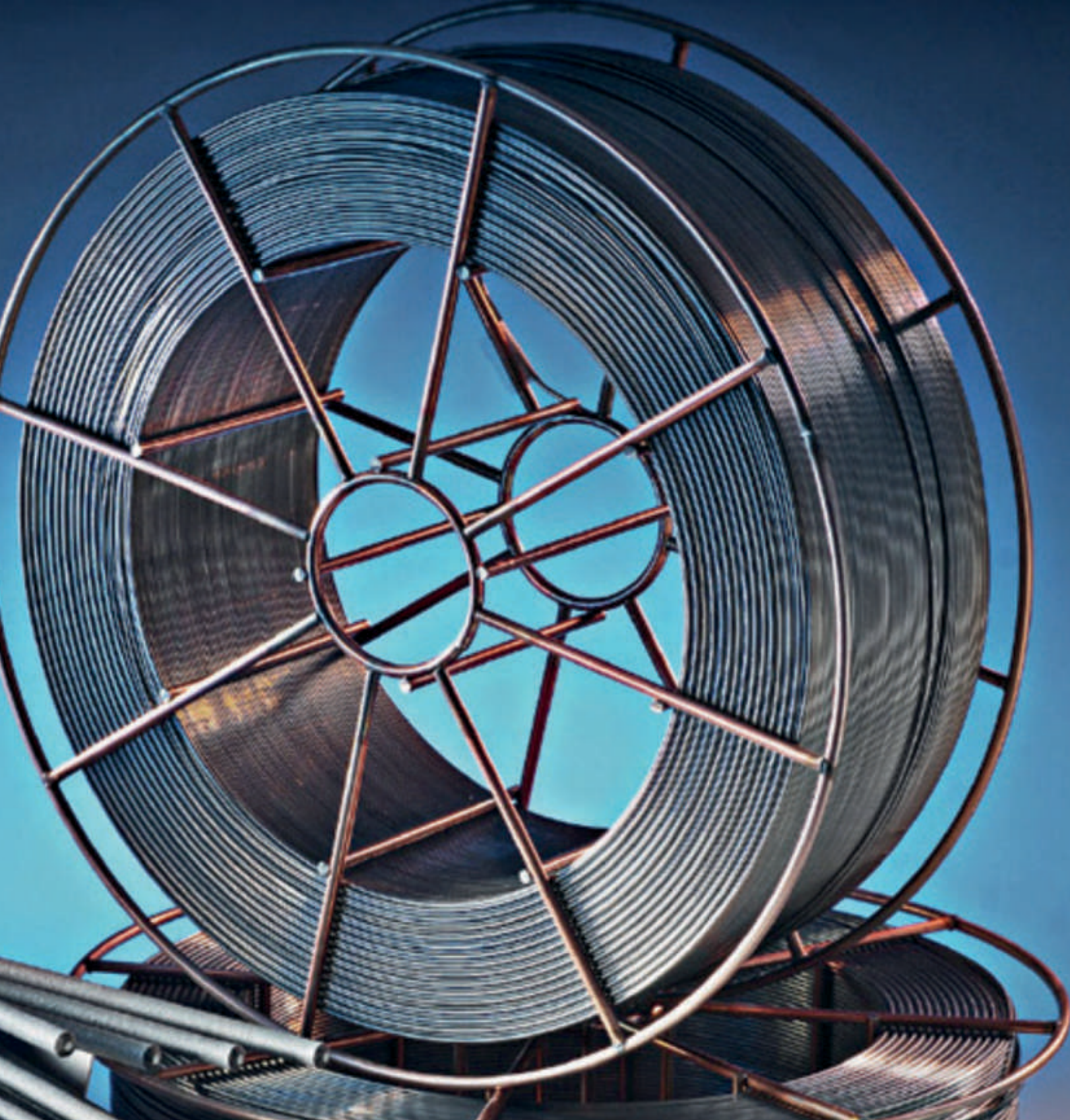


Code: 10-100610B

HOSE SET FOR HEATING TORCH WITH FITTING



Code: 10-100610C



**MIG / MAG
WIRE**



MIG / MAG WIRE

XTRAWELD 2

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

Classification:

AWS A5.18 ER70S-6

EN ISO 14341 G3Si1

Approvals:

LR H15, ABS 2SA, DNV, BV

Chemical Composition (%)

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

Typical Mechanical Properties use with CO2 gas

Tensile Strength 510-570 Mpa

Yield Strength 450 Mpa

Elongation 28%

Charpy V-Notch at 20°C 150J

Charpy V-Notch at -20°C 60J



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

Classification:

AWS A5.18 ER70S-6

EN ISO 14341 G3Si1

Approvals:

LR H15, ABS 2SA, DNV, BV

Chemical Composition (%)

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

Typical Mechanical Properties use with CO2 gas

Tensile Strength 510-570 Mpa

Yield Strength 450 Mpa

Elongation 28%

Charpy V-Notch at 20°C 150J

Charpy V-Notch at -20°C 60J



Optional:

Cone set

Code: 2-100408



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

MIG / MAG WIRE

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 930 Mpa. Gas flow rate 14-16L/min

Classification:

AWS A5.28 ER100S-G



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

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

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

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	Mo	S	P
0.01	1.4	0.8	19	13	2.5	0.01	0.01

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

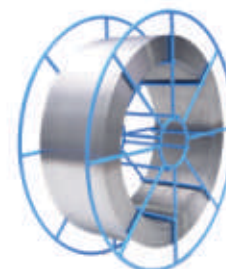
Size (mm)	Net Weight / Spool	Code
0.8	5kg	2-100505
0.9	5kg	2-100506
0.8	15kg	2-100510
0.9	15kg	2-100511
1.0	15kg	2-100512
1.2	15kg	2-100513

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	Mo	S	P
0.01	1.7	0.8	20	10	0.1	0.01	0.01

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

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

STAINLUX 309LSi

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

Classification:

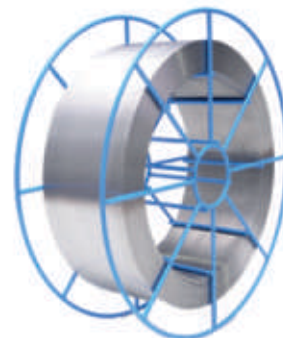
AWS A5.9 ER309LSi

Chemical Composition (%)

C	Mn	Si	Cr	Ni	Mo	S	P
0.015	1.7	0.8	24	13	0.1	0.005	0.01

Mechanical Properties

Tensile - 560 MPa Yield - 430 MPa Elongation - 40%



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

Classification:

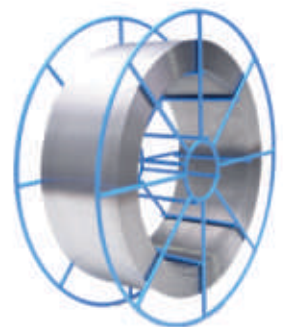
AWS A5.9 ER307Si

Chemical Composition (%)

C	Mn	Si	Cr	Ni	S	P
0.15	7.0	1.2	19.0	9.0	0.025	0.03

Mechanical Properties

Tensile - 700 MPa Yield - 400 MPa Elongation - 30%



Size (mm)	Net Weight / Spool	Code
1.00	15kg	2-100525
1.20	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 °C for heat shields, furnace and ducting parts.

Classification:

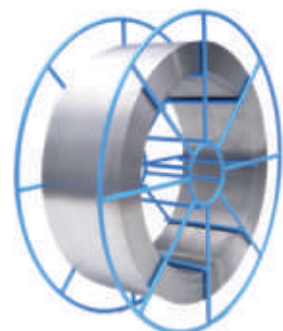
AWS A5.9 ER310

Chemical Composition (%)

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

Mechanical Properties

Tensile - 550 MPa Yield - 360 MPa Elongation - 27%



Size (mm)	Net Weight / Spool	Code
1.20	15kg	2-100545

MIG / MAG WIRE

STAINLUX 2209

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

Application:

offshore oil/gas, chemical process, pipeworks

Classification:

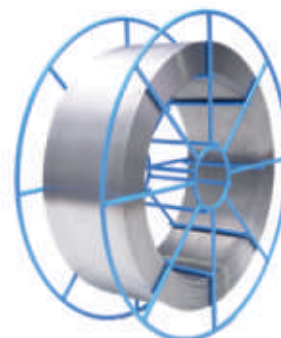
- Conform to AWS A5.9 ER2209

Chemical Composition (%)

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

Mechanical Properties

Tensile - 800/835 MPa Yield - 560/620 MPa Elongation - 28/35%



Size (mm)

1.2

Net Weight / Spool

15kg

Code

2-100539

STAINLUX 312

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

Classification:

AWS A5.9 ER312

Chemical Composition (%)

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

Mechanical Properties

Tensile - 820 MPa Yield - 630 MPa Elongation - 26%



Size (mm)

1.20

Net Weight / Spool

15kg

Code

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:

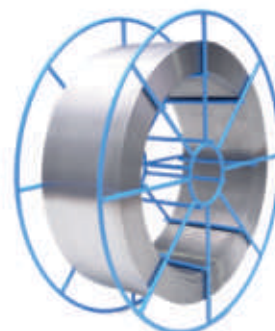
AWS A5.9 ER410

Chemical Composition (%)

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

Mechanical Properties

Tensile - 520 MPa Yield - 300 MPa Elongation - 33%



Size (mm)

1.20

Net Weight / Spool

15kg

Code

2-100535

MIG / MAG WIRE

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 and automotive industry.

Classification:

AWS A5.10 ER4043



Chemical Composition (%)

Si	Mg	Mn	Al
5%	0.05	0.05	Bal

Mechanical Properties

Tensile - 180 MPa	Yield - 120 MPa	Elongation - 8%
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Size (mm)	Net Weight / Spool	Code
0.9	0.5kg	2-100620
0.9	2kg	2-100621
1.0	7kg	2-100603
1.2	7kg	2-100604
1.6	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 (%)

Mg	Mn	Si	Fe	Al
5	0.15	0.20	0.35	Bal

Mechanical Properties

Tensile - 280 MPa	Yield - 130 MPa	Elongation - 18%
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Size (mm)	Net Weight / Spool	Code
1.0	7kg	2-100610
1.2	7kg	2-100611
1.6	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, equipments for food, chemical, brewing industry.

Classification:

AWS A5.10 ER1100

Chemical Composition (%)

Mg	Mn	Si	Fe	Al
0.02	0.02	0.20	0.20	Bal

Mechanical Properties

Tensile - 65 MPa	Yield - 20 MPa	Elongation - 35%
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Size (mm)	Net Weight / Spool	Code
1.2	7kg	2-100615
1.6	7kg	2-100616

MIG / MAG WIRE

S211 SILICON BRONZE

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

Classification:

AWS A5.7 ERCuSi-A

Chemical Composition (%)		
Mg	Si	Cu
0.90	3.0	Bal

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



Size (mm)	Net Weight / Spool	Code
0.8	5kg	2-100801
1.0	5kg	2-100802
1.2	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. Application 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 - 450 MPa	Elongation - 45%	Hardness - 90-120 HB



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

S201 DEOXIDIZED COPPER

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

Classification:

AWS A5.7 ERCu

Chemical Composition (%)		
Cu	Al	Fe
98%	0.01%	0.02%

Mechanical Properties	
Tensile - 230 MPa	Hardness - 60-80 HB



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

MIG / MAG WIRE

Ni99 CAST IRON MIG WIRE

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 exchangers

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 - 585 MPa	Yield - 355 MPa	Elongation - 35%



Size (mm)	Net Weight / Spool	Code
1.2	15kg	2-100815

XTRACOR 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-1

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

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



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

E71T11 GASLESS

E71T11 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 - 520 MPa	Yield - 430 MPa	Elongation - 23%



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

MIG / MAG WIRE

CLADCOR 50

Cladcor 50 is a self-shielded flux cored wire depositing a high chrome carbide alloy steel. It 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 etc.

Classification:

DIN 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	Code
1.2	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:

DIN 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	Code
1.2	15kg	2-100760



**TIG WELDING
WIRE**

TIG 70S-6

TIG 70S-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

Mechanical 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

Mechanical 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

Mechanical 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 ER2209

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

Application:

offshore oil/gas, chemical process, pipeworks

Classifications:

- Conform 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 - up to ≥ 820 MPa	Yield - up to ≥ 660 MPa	Elongation on 4d $\geq 32\%$

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

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

Mechanical 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

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 with 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 Bal
5%	0.05	0.05	

Mechanical 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

TIG WIRE

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

Mechanical 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 exchangers, etc.

Classification:

AWS A5.10 ER4047



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

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

Melting Point - 570-590 °C		
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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. Application include wire for electrical components, tubes and heat exchanges, mig brazing for automotive body panels.

Classification:

AWS A5.7 ERCuSi-A



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

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

Size (mm)	Net Weight / Spool	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 jointed.

Classification:

AWS A5.2 R45

Chemical Composition (%)

C	Mn	Si	S	P
0.08	0.05	0.10	0.02	0.02

Mechanical Properties

Tensile - 550 MPa	Yield - 360 MPa	Elongation - 22%
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Size (mm)	Net Weight / Unit	Code
1.6	4kg	3-100631
2.4	4kg	3-100632
3.2	4kg	3-100633

**COPPER / SILVER
BRAZING & FLUX**



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.

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
Mechanical Properties					
Tensile - 460 MPa			Hardness - 125 HB		
Melting Range - 860°C-890°C					



Size (mm)	Net Weight / Unit	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 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.

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
Mechanical Properties					
Tensile - 460 MPa			Hardness - 125 HB		
Melting Range - 860°C-890°C					



Size (mm)	Net Weight / Unit	Code
2.0 X 500	5kg	5-100105
3.0 X 500	5kg	5-100106

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.

Classification:

DIN L-Ag20

Chemical Composition (%)		
Ag	Cu	Zn
20	40	34
Mechanical Properties		
Tensile - 470 MPa		
Melting Range - 690°C-770°C		



Size (mm)	Net Weight / Unit	Code
1.5 X 500	1kg	5-100200

BRAZING WIRE & FLUX

SILVERBRAZE 30

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

Classification:

DIN L-Ag30

Chemical Composition (%)		
Ag	Cu	Zn
30	38	32
Mechanical Properties		
Tensile - 505 MPa		
Melting Range - 670°C-730°C		



Size (mm)	Net Weight / Unit	Code
1.5 X 500	1kg	5-100201

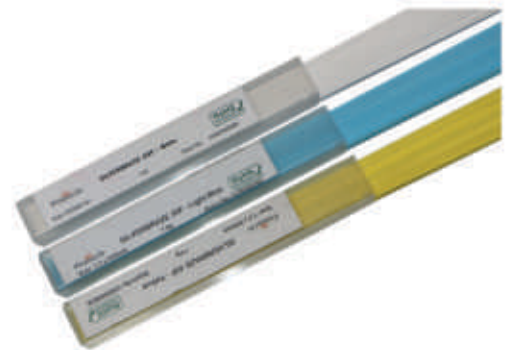
SILVERBRAZE 20F

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.

Classification:

DIN L-Ag20

Chemical Composition (%)		
Ag	Cu	Zn
20	40	35
Mechanical Properties		
Tensile - 470 MPa		
Melting Range - 690°C-770°C		



Size (mm)	Net Weight / Unit	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 produce high strength and ductile joints. Mainly used to braze copper and mild steel.

Classification:

DIN L-Ag30 / BS Ag16

Chemical Composition (%)		
Ag	Cu	Zn
30	38	34
Mechanical Properties		
Tensile - 480 MPa		
Melting Range - 670°C-730°C		



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

BRAZING WIRE & FLUX

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.

Classification:

DIN L-Ag40 / BS Ag20

Chemical Composition (%)		
Ag	Cu	Zn
40	30	28

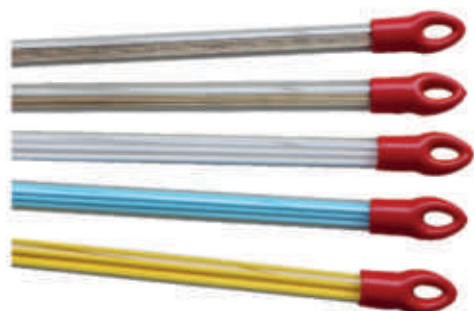
Mechanical Properties		
Tensile - 500 MPa		
Melting Range - 650°C-710°C		



Size (mm)	Net Weight / Unit	Code
1.5 X 500	1kg	5-100212

SILVERBRAZE MINI PAK

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



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

COPPERBRAZE 1

Copperbraze 1 is a self-fluxing alloys 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 square shape for easy handling.

Classification:

DIN 8513 L-Cu7P

Chemical Composition (%)		
Ag	Cu	P
0	92.9	7.1

Melting Range: 710°C - 800°C		
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Size (mm)	Net Weight / Unit	Code
2.0 X 500	1kg	5-100300
3.0 X 500	1kg	5-100301

BRAZING WIRE & FLUX

COPPERBRAZE 2

Copperbraz 2 is a self-fluxing alloys, 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. Copperbraz 2 is in square shape for easy handling

Classification:

DIN 8513 L-Ag2



Chemical Composition (%)		
Ag	Cu	P
2	91	7
Melting Range: 645 °C - 740 °C		

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

BRAZING FLUXES

BRONZE BRAZING FLUX

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



50g/jar prepack available

Packing	Code
500g / jar	5-100110

SILVER SOLDER FLUX

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



50g/jar prepack available

Packing	Code
250g / jar	5-100111

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	5-100112

S
A

SUB ARC WIRE & FLUX



SUBMERGED ARC WIRE & FLUX

EM12K

EM12K is a copper coated low carbon, medium manganese wire for joining C/Mn steel. It's 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	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

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. It's recommended for welding gas bottles, truck wheels, structural steel, mining wheels, boiler making etc. Welding with damp flux can cause porosity, redry flux approximately 2 hours at about 300 °C before welding.

Classification:

AWS A5.17 F7A2-EM12K

Chemical Composition (%)			
SiO ₂ +TiO ₂	Al ₂ O ₃ +MnO	CaF ₂	S
30	55	7	≤0.03

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



Net Weight / Unit	Code
25kg	3-100621

GOUGING CARBON

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



Size (mm)	Type	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



CUTTING DISC & ABRASIVES



ABRASIVES

STEEL CUTTING DISC

FOR STEEL



Code	Size	Max Speed
15-100101	115 x 1.0 x 22.2mm (4.5")	13300 R.P.M
15-100102	115 x 3.0 x 22.2mm (4.5")	13300 R.P.M
15-100103	125 x 3.0 x 22.2mm (5")	12200 R.P.M
15-100104	230 x 3.0 x 22.2mm (9")	6650 R.P.M
15-100105	350 x 3.2 x 25.4mm (14")	4400 R.P.M
15-100106	400 x 3.2 x 25.4mm (16")	3800 R.P.M

GRINDING DISC

FOR STEEL



Code	Size	Max Speed
15-100301	115 x 6.0 x 22.2mm (4.5")	13300 R.P.M
15-100302	230 x 6.0 x 22.2mm (9")	6650 R.P.M

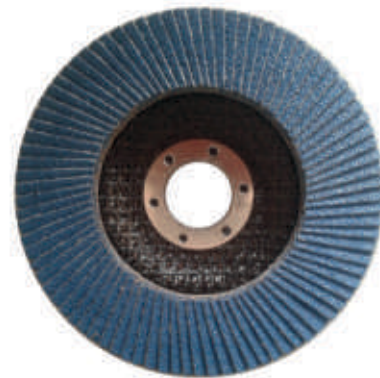
FLAP DISC

ALUMINIUM OXIDE, FOR STEEL & PLASTIC



Code	Size & Grit	Max Speed
15-100401	115 x 22.2mm Grit 40	13300 R.P.M
15-100402	115 x 22.2mm Grit 60	13300 R.P.M
15-100403	115 x 22.2mm Grit 80	13300 R.P.M
15-100404	115 x 22.2mm Grit 120	13300 R.P.M

ZIRCONIUM, FOR STAINLESS STEEL



Code	Size & Grit	Max Speed
15-100430	115 x 22.2mm Grit 40	13300 R.P.M
15-100431	115 x 22.2mm Grit 60	13300 R.P.M
15-100432	115 x 22.2mm Grit 80	13300 R.P.M
15-100433	115 x 22.2mm Grit 120	13300 R.P.M

DIAMOND BLADE

SEGMENTED, FOR CONCRETE, STONE, BRICK



Code	Size	Max Speed
15-100500	115MM	13300 R.P.M
15-100501	230MM	13300 R.P.M



DIY WELDING SOLUTIONS



DIY 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 3.2mm	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 BARE	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 3,2MM	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
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 KD300	1
TEC0031	RETAIL PACK Electrode Holder KD500	1
TEC0032	RETAIL PACK Electrode Holder OPTI400	1
TEC0033	RETAIL PACK Electrode Holder OPTI600	1
TEC0034	RETAIL PACK Electrode Holder Twist Lock 400A	1
TEC0035	RETAIL PACK Chipping Hammer	1
TEC0036	RETAIL PACK Mild Steel Wire Brush	1
TEC0037	RETAIL PACK Machine Socket Female 10-25	2
TEC0038	RETAIL PACK Cable Connector Dinse Type Male 10-25	2
TEC0039	RETAIL PACK Machine Socket Female 35-50	2
TEC0040	RETAIL PACK Cable Connector Dinse Type Male 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 Green 160A	1
TEC0047	RETAIL PACK Welding Cable Kit Blue 250A	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 Arrestor (Oxygen, Acetylene Torch Mount)	2
TEC0059	Retail Pack Flash Back Arrestor (Oxygen Acetylene Regulator 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
TEC0062	Retail Pack Shank Torch Handle	1

DIY SOLUTIONS

TEC0063	Retail Pack Cutting Attachment	1
TEC0064	Retail Pack Universal Cutting Torch	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
TEC0068	Retail Pack Single Stage Oxygen Regulator	1
TEC0069	Retail Pack Single Stage Acetylene Regulator	1
TEC0070	Retail Pack Gas Welding Combination Kit	1
TEC0071	Retail Pack Argon Flow meter	1
TEC00715	Retail Pack Hose Oxygen Blue 6m	1
TEC00716	Retail Pack Hose Acetylene Red 6m	1

SAFETY & PPE

Code	Description	Qty/pack
TEC0072	RETAIL PACK TIG Gloves	1
TEC0073	RETAIL PACK Chrome Leather Glove 50	1
TEC0074	RETAIL PACK Chrome Leather Glove 200	1
TEC0075	RETAIL PACK Green Lined Glove 50	1
TEC0076	RETAIL PACK Green Lined Glove 200	1
TEC0077	RETAIL PACK Red Heat Resistant Glove 200	1
TEC0078	RETAIL PACK Spectacle SPORT Clear	1
TEC0079	RETAIL PACK Spectacle SPORT Green	1
TEC0080	RETAIL PACK Spectacles Clear Wrap Around	1
TEC0081	RETAIL PACK Spectacles Green Wrap Around	1
TEC00811	RETAIL PACK Spectacles Amber Wrap Around	1
TEC00815	RETAIL PACK Spectacle EURO Clear	1
TEC00816	RETAIL PACK Spectacle EURO Green	1
TEC0082	RETAIL PACK Lens Clear Glass 108x51	1
TEC0083	RETAIL PACK Lens Shaded 8 108x51	2
TEC0084	RETAIL PACK Lens Shaded 10 108x51	2
TEC0085	RETAIL PACK Lens Shaded 12 108x51	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	1
TEC0093	Retail Pack Solar Helmet non-adjustable	1
TEC0094	Retail Pack Solar Helmet adjustable	1
TEC0095	Retail Pack PVC Red Glove Knit Wrist	1
TEC0096	Retail Pack Nitrile Glove Smooth Palm	1
TEC0097	Retail Pack FFP1 DUST MASK 5 PCS	1

MIG / TIG WELDING ACCESSORIES

Code	Description	Qty/pack
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

DIY SOLUTIONS

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
TEC0111	RETAIL PACK MIG STARTER KIT MB15	1
TEC0112	RETAIL PACK MIG STARTER KIT MB25	1
TEC0113	RETAIL PACK MIG STARTER KIT MB36	1
TEC0114	RETAIL PACK Liner 4m	1
TEC0115	RETAIL PACK MIG Torch MB15	1
TEC0116	RETAIL PACK MIG Torch MB25	1
TEC0117	RETAIL PACK MIG Torch MB36	1
TEC0118	RETAIL PACK Anti Spatter	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
TEC0123	RETAIL PACK TIG Start Kit Thor	1
TEC0124	RETAIL PACK TIG Start Kit Zic	1
TEC0125	RETAIL PACK TIG Torch WP-17V	1

PLASMA TORCH & ACCESSORIES

Code	Description	Qty/pack
TEC0126	Retail Pack PT31 Starter Kit (Short)	1
TEC0126-1	Retail Pack PT31 Starter Kit (Long)	1
TEC0127	Retail Pack PT31 Torch 5m complete	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
TEC0134	Retail Pack AG60 Torch 5m Complete	1
TEC0135	Retail Pack AG60 Electrodes	5
TEC0136	Retail Pack AG60 Nozzle Tip	5
TEC0137	Retail Pack AG60 Shield Cup	2
TEC0138	Retail Pack P80 Torch 5m Complete	1
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
TEC0143	Retail Pack AG60 Starter Kit	1



ENGINEERING TOOLS

AIR COMPRESSOR



Air Compressor 24L Code: 17-AIR024



Air Compressor 50L Code: 17-AIR050



Air Compressor 100L Code: 17-AIR100



Air Compressor 150L Code: 17-AIR150



Oil Free Air Compressor Code: 17-AIROF24

GENERAL ENGINEERING TOOLS



Toolset 75 Pieces Code: 17100101



Toolset 86 Pieces Code: 17-100102



Toolset 187 Pieces Code: 17-100103

TOOLS



Combination Plier 150mm Code: 17-GHT482
Combination Plier 200mm Code: 17-GHT481



Long Nose Plier 150mm Code: 17-GHT484
Long Nose Plier 200mm Code: 17-GHT483



Diagonal Cutter 150mm Code: 17-GHT486
Diagonal Cutter 200mm Code: 17-GHT485



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



Wrenche 200mm Code: 17-GHT502
Wrenche 250mm Code: 17-GHT503
Wrenche 300mm Code: 17-GHT504
Wrenche 375mm Code: 17-GHT505



Pipe Wrenche 250mm Code: 17-GHT506
Pipe Wrenche 300mm Code: 17-GHT507
Pipe Wrenche 350mm Code: 17-GHT508
Pipe Wrenche 450mm Code: 17-GHT509
Pipe Wrenche 600mm Code: 17-GHT510
Pipe Wrenche 900mm Code: 17-GHT511



Claw Hammer 0.5kg Code: 17-GHT005B



Club Hammer 1.0kg Code: 17-GHT009A
Club Hammer 1.5kg Code: 17-GHT009B
Club Hammer 2.0kg Code: 17-GHT009C



Screw Driver, Cr/V, Magnetic, Electricians

6 x 100mm Code: 17-GHT031
 6 x 125mm Code: 17-GHT032
 6 x 150mm Code: 17-GHT033
 6 x 200mm Code: 17-GHT034
 6 x 250mm Code: 17-GHT035
 6 x 300mm Code: 17-GHT036
 5 x 100mm Code: 17-GHT037
 5 x 125mm Code: 17-GHT038
 5 x 150mm Code: 17-GHT039
 5 x 200mm Code: 17-GHT040



Screw Driver, Magnetic, Cr/V, Philips

6 x 100mm Code: 17-GHT041
 6 x 125mm Code: 17-GHT042
 6 x 150mm Code: 17-GHT043
 6 x 200mm Code: 17-GHT044
 6 x 250mm Code: 17-GHT045
 6 x 300mm Code: 17-GHT046
 5 x 100mm Code: 17-GHT047
 5 x 125mm Code: 17-GHT048
 5 x 150mm Code: 17-GHT049
 5 x 200mm Code: 17-GHT050



Screw Driver Set 6 pieces, Electricians / Philips. 5x75mm, 6x100mm, 6x150mm

Code: 17-GHT030



Spanner Set 8 Pieces
 8/10/12/13/17/19/22/24mm

Code: 17-GHT169



Socket Drive Wrench Code: 17-GHT284



Socket Set 10 pcs 1/2" , Code: 17-GHT375A
 10/13/14/15/16/17/18/19/21/24mm

TOOLS



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



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



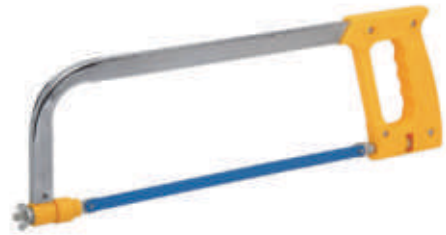
Socket Set 24 pcs 1/2" Code: 17-GHT375



Bench Vice 100mm Code: 17-GHT189
 Bench Vice 150mm Code: 17-GHT190
 Bench Vice 200mm Code: 17-GHT191



Hacksaw Blade 18 teeth Code: 17-GHT199A
Hacksaw Blade 24 teeth Code: 17-GHT199B
Hacksaw Blade 32 teeth Code: 17-GHT199C



Hacksaw Code: 17-GHT197A



Allenkey, Ball head, Long 9 Pcs Code: 17-GHT227
Allenkey, Ball head, Extra Long 9 Pcs Code: 17-GHT228



Steel File 200mm Triangle Code: 17-GHT210
Steel File 200mm Half Circle Code: 17-GHT211
Steel File 200mm Flat Code: 17-GHT212



Utility Knife Code: 17-GHT 267



Steel Drill Bits Set 19 pcs HSS Code: 17-GHT394A
Steel Drill Bits Set 25 pcs HSS Code: 17-GHT394B



Steel Drill Bits HSS 3.0mm Code: 17-GHT379C
Steel Drill Bits HSS 3.5mm Code: 17-GHT379E
Steel Drill Bits HSS 4.0mm Code: 17-GHT380
Steel Drill Bits HSS 4.5mm Code: 17-GHT381
Steel Drill Bits HSS 5.0mm Code: 17-GHT381B
Steel Drill Bits HSS 5.5mm Code: 17-GHT382
Steel Drill Bits HSS 6.0mm Code: 17-GHT383
Steel Drill Bits HSS 6.5mm Code: 17-GHT384
Steel Drill Bits HSS 7.0mm Code: 17-GHT385
Steel Drill Bits HSS 8.0mm Code: 17-GHT387
Steel Drill Bits HSS 8.5mm Code: 17-GHT388
Steel Drill Bits HSS 9.0mm Code: 17-GHT389
Steel Drill Bits HSS 9.5mm Code: 17-GHT390
Steel Drill Bits HSS 10mm Code: 17-GHT391
Steel Drill Bits HSS 10.5mm Code: 17-GHT391B
Steel Drill Bits HSS 11mm Code: 17-GHT392
Steel Drill Bits HSS 12mm Code: 17-GHT393
Steel Drill Bits HSS 12.5mm Code: 17-GHT394

TOOLS



Hose Clamp Mild steel, 8mm width, 10 pcs/pack

8-12mm Code: 17-GHT240A

10-16mm Code: 17-GHT240B

13-19mm Code: 17-GHT240C

16-25mm Code: 17-GHT240D



Castor Wheel Swivel with brake 75mm Code: 17-GHT341A

Castor Wheel Swivel with brake 100mm Code: 17-GHT341B

Castor Wheel Swivel with brake 125mm Code: 17-GHT341C

Castor Wheel Swivel with brake 150mm Code: 17-GHT341D

Castor Wheel Swivel with brake 200mm Code: 17-GHT341E



Castor Wheel Swivel, Rubber 75mm Code: 17-GHT341

Castor Wheel Swivel, Rubber 100mm Code: 17-GHT343

Castor Wheel Swivel, Rubber 125mm Code: 17-GHT345

Castor Wheel Swivel, Rubber 150mm Code: 17-GHT347

Castor Wheel Swivel, Rubber 200mm Code: 17-GHT349



Discus Padlock 60mm Code: 17-ULK015A

Discus Padlock 70mm Code: 17-ULK015

Discus Padlock 80mm Code: 17-ULK016

Discus Padlock 90mm Code: 17-ULK017



Brass Padlock 25mm Code: 17-LCK012

Brass Padlock 32mm Code: 17-LCK013

Brass Padlock 38mm Code: 17-LCK014

Brass Padlock 50mm Code: 17-LCK015

Brass Padlock 63mm Code: 17-LCK016

Brass Padlock 75mm Code: 17-LCK017



Tape Measure Metric 3m Code: 17-MEA000E

Tape Measure Metric 5m Code: 17-MEA000F

Tape Measure Metric 7.5m Code: 17-MEA000G

Tape Measure Metric 10m Code: 17-MEA000H

TOOLS



Digital Vernier 150mm Code: 17-MEA017
Digital Vernier 200mm Code: 17-MEA018
Digital Vernier 300mm Code: 17-MEA019



Vernier Caliper 150mm Code: 17-MEA020
Vernier Caliper 200mm Code: 17-MEA021
Vernier Caliper 300mm Code: 17-MEA022



OD Micrometer 0-25mm Code: 17-MEA024



Booster Cable Set 400A Code: 17-MT009



Dust Tape Gloss Black 48mm x 5m Code: 17-TAP028
Dust Tape Gloss Silver 48mm x 5m Code: 17-TAP029



Glue Stick 10 x 300mm, 35 pcs/pack Code: 17-ELE012



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