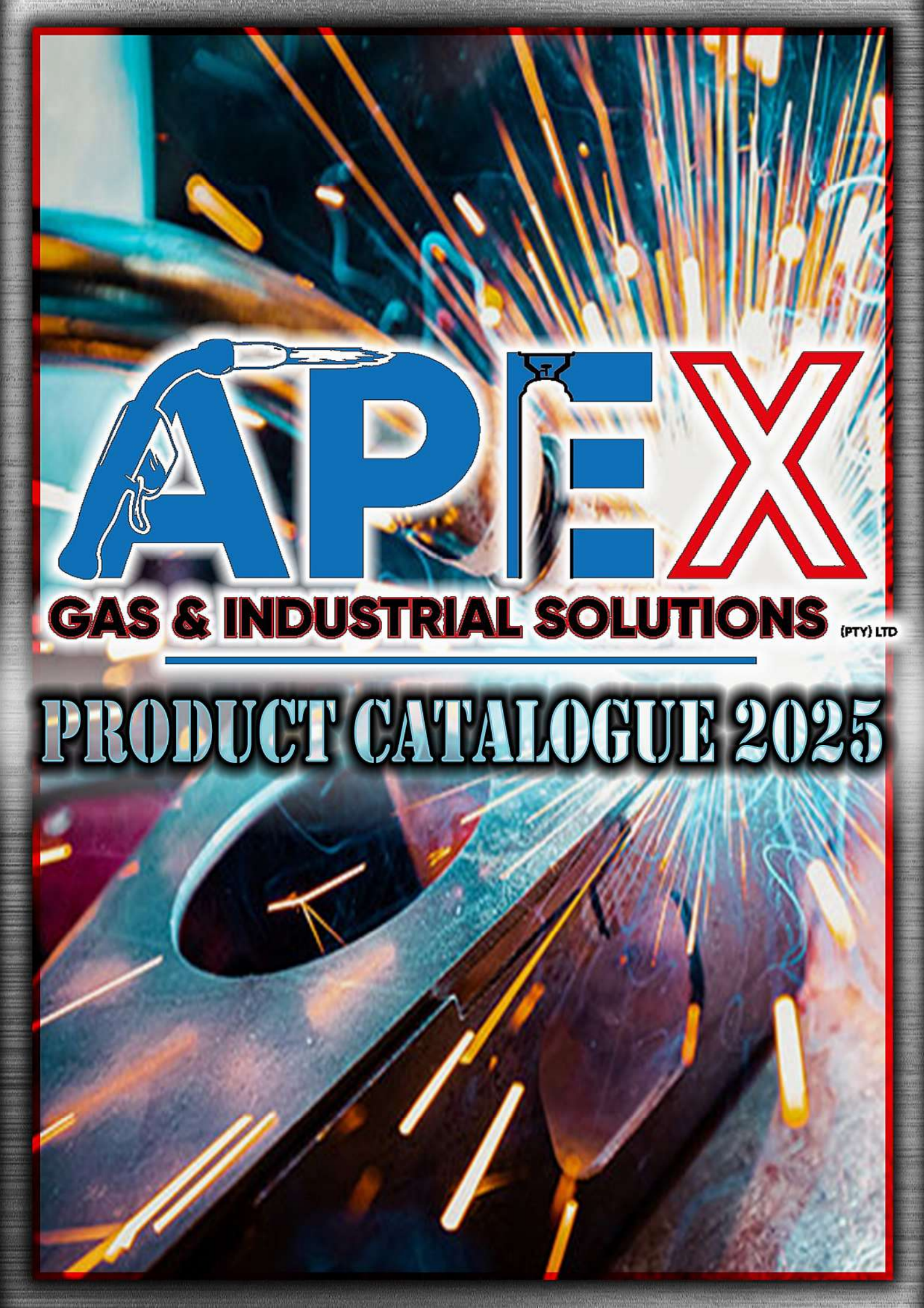


The background of the entire cover is a high-contrast, close-up photograph of an industrial welding process. Bright, multi-colored sparks (yellow, orange, and blue) are being ejected from a point of contact, creating a dynamic and energetic scene. The sparks are concentrated in the upper right and lower right areas, with some trailing off towards the left. The overall color palette is dominated by the cool blues and greys of the metal being welded, contrasted with the warm, fiery colors of the sparks.

APEX

GAS & INDUSTRIAL SOLUTIONS (PTY) LTD

PRODUCT CATALOGUE 2025

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OUR VISION

At Apex Gas & Industrial Solutions, our vision is to be the leading provider of industrial equipment in the country. We are committed to providing our clients with the highest quality products and services to help them succeed and grow. We will achieve this by staying at the forefront of industry trends and by continuously improving our offerings

OUR EXPERTISE

The team at Apex Gas & Industrial Solutions has the knowledge and expertise to help you find the right equipment for your business needs. We offer expert advice, personalized service, and ongoing support to ensure your complete satisfaction.

OUR PRODUCTS

We offer a comprehensive range of industrial equipment, including welding equipment, power tools and abrasives. All of our products are sourced from trusted brands and are of the highest quality. We are dedicated to providing our clients with reliable, durable, and efficient equipment.



HANDHELD ARC WELDING MACHINE

APEX - 160AMP HANDHELD ARC WELDING MACHINE



- Voltage – 180V – 240V.
- Duty Cycle – 60% - 160A.
- Duty Cycle – 100% - 124A.
- No –Load Volt – 56V.
- Usable Electrode (mm) – 1.6 – 3.2.

WARRANTY 1 YEAR

APEX

MODEL

MAD-160I



20A/20.8V~160A/26.4V



U₀=56V

X

60%

100%

I₂

160A

124A

U₂

26.4V

25V

MMA

I_{1max}=24.2A

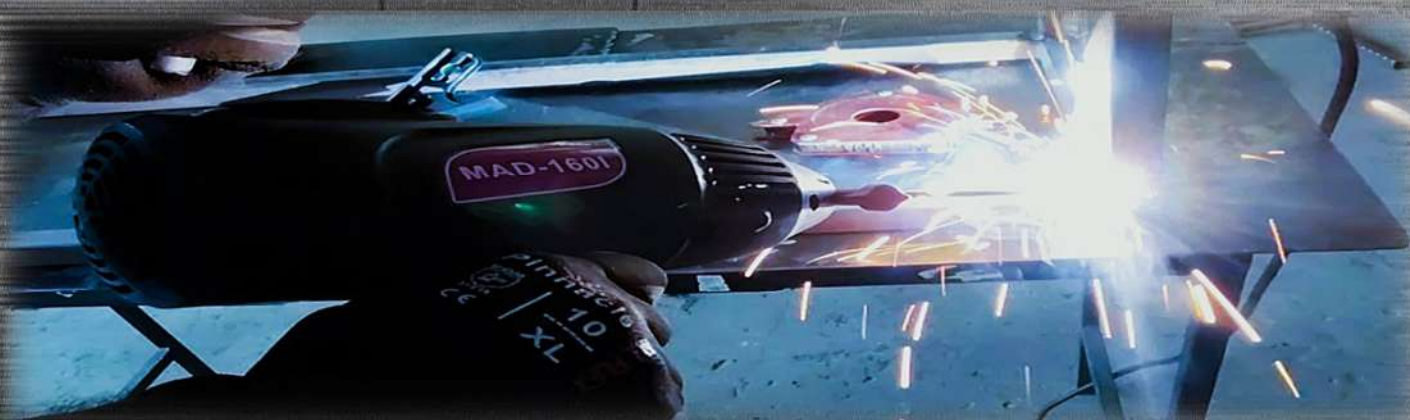
I_{1off}=18.7A

1~(50/60HZ)

U₁~220V

IP21S

F





GAS WELDING & CUTTING

APEX - ARGON FLOW METER - REGULATOR



- Precision engineered for precise flow.
- Sintered metal filter to trap impurities.
- 3/8" right hand thread outlet.
- Easy to read gauge.
- Easy to read flow tube with 360° visibility.
- Suitable for MIG and TIG applications.

APEX-ARGON FLOW-METER
REGULATOR

1 PER
BOX

APEX - ACETYLENE REGULATOR - 2 GUAGE



- Single stage.
- Forged brass body for maximum strength.
- Chrome bonnet.
- Non removable adjustment knob.
- Sintered metal filter to trap impurities.
- 3/8" left hand thread outlet for acetylene.
- Easy to read gauges.

APEX-ACETYLENE-REGULATOR-SINGLE
STAGE

1 PER
BOX

APEX - OXYGEN REGULATOR - 2 GUAGE



- Single stage.
- Forged brass body for maximum strength.
- Chrome bonnet.
- Non removable adjustment knob.
- Sintered metal filter to trap impurities.
- 3/8" right hand thread outlet for oxygen.
- Easy to read gauges.

APEX-OXYGEN-REGULATOR-SINGLE STAGE

1 PER
BOX



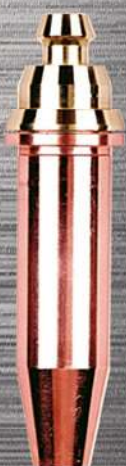
GAS WELDING & CUTTING

APEX - ANM CUTTING NOZZLES



Nozzle Size	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Nozzle Length
0.80mm 1/32	1 to 5	1.5	0.5	88mm
1.20mm 3/64	5 to 10	2	0.5	88mm
1.60mm 1/16	10 to 30	2.5	1	88mm
2.00mm 5/64	30 to 60	3	1	88mm
2.40mm 3/32	60 to 100	3.5	1.5	88mm

APEX - PNM CUTTING NOZZLES



Nozzle Size	Cutting Thickness (mm)	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Nozzle Length
0.80mm 1/32	1 to 5	1.5	0.5	75mm
1.20mm 3/64	5 to 10	2	0.5	75mm
1.60mm 1/16	10 to 30	2.5	1	75mm
2.00mm 5/64	30 to 60	3	1	75mm
2.40mm 3/32	60 to 100	3.5	1.5	75mm
3.20mm 1/8	100 to 200	3.5	1.5	75mm

APEX - SWAGED WELDING NOZZLES



Tip Size	Material Thickness	Oxygen Pressure (Bar)	Acetylene Pressure (Bar)	Nozzle Length
3	2.0mm	1	0.15	130mm
5	2.6mm	1	0.15	130mm
7	3.2mm	1	0.15	175mm



GAS WELDING & CUTTING

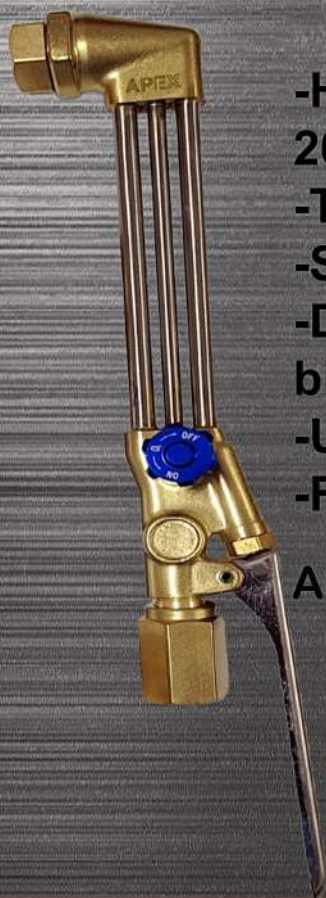
APEX - GAS WELDING SHANK / HANDLE



- Heavy duty handle for cuts up to 200mm and welds up to 9mm.
- Extruded aluminium handle
- Stainless steel needle valves for fast accurate flame adjustment.

APEX-WELDING SHANK / HANDLE :: 1 PER BOX

APEX - GAS CUTTING ATTACHMENT



- Heavy duty cutting attachment for cuts up to 200mm.
- Top cutting lever.
- Stainless steel tubes for greater heat resistance.
- Die forged 90° brass head for strength and durability.
- Uses ANM / PNM cutting tips.
- For use with Acetylene or LPG.

APEX-CUTTING ATTACHMENT :: 1 PER BOX



GAS WELDING & CUTTING

APEX - OXYGEN & ACETYLENE FLASHBACK ARRESTORS



- Flashback arrestors for oxygen and acetylene, in both the regulator and torch sides.
- 3/8" BSP fittings.
- Cylindrical design, giving a higher flow rate.
- Equipped with a gas non-return valve, flame arrestor and thermal cut-off valve.

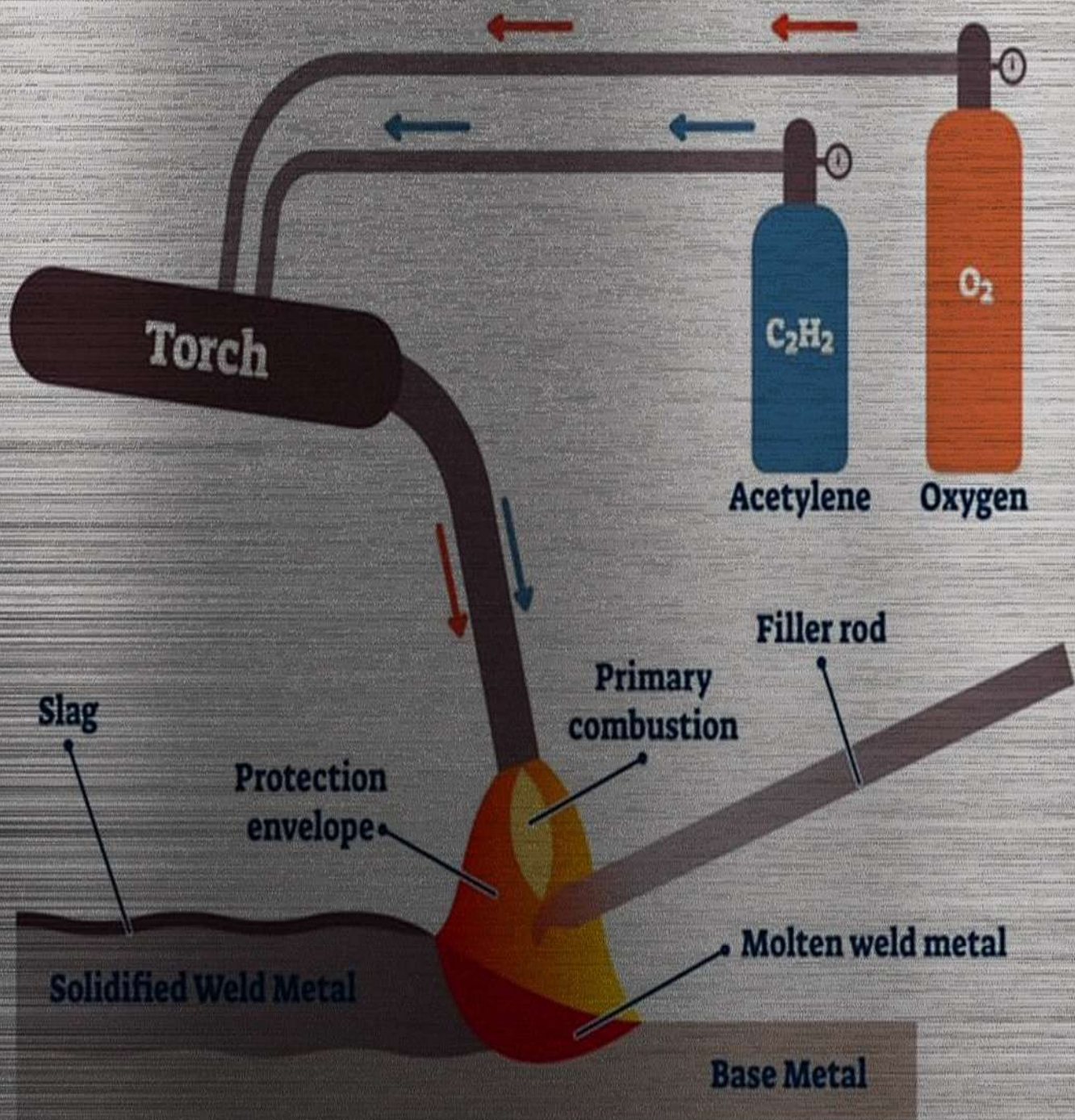
APEX-FLASHBACK-ARRESTOR	REGULATOR SIDE- OXYGEN	1 PER BOX
APEX-FLASHBACK-ARRESTOR	REGULATOR SIDE- ACETYLENE	1 PER BOX
APEX-FLASHBACK-ARRESTOR	TORCH SIDE- OXYGEN	1 PER BOX
APEX-FLASHBACK-ARRESTOR	TORCH SIDE- ACETYLENE	1 PER BOX





THE GAS WELDING PROCESS

GAS WELDING





GAS WELDING & CUTTING

APEX - GAS WELDING & CUTTING CONSUMABLES

- Flint Lighter



APEX triple flint lighter is a simple, reliable, and cost-effective tool used to ignite the gases in oxy-fuel welding and cutting torches. It operates by creating a spark through friction. This particular type features three separate flints mounted on a rotating or indexing mechanism.

APEX-FLINT LIGHTER TRIPLE FLINT 1 PER BOX

- Flint Lighter Renewals

APEX designed for use in gas welding applications to provide reliable ignition, triple flint renewals ensure extended usage and longevity, easily replaceable flints for continuous operation, compatible with most standard flint lighters, ideal for professional welders requiring consistent flame ignition.



APEX-FLINT LIGHTER TRIPLE FLINT 5 PER BOX
RENEWALS RENEWALS BOX



- Nozzle Cleaner

APEX nozzle cleaner is a tool used in welding and cutting equipment maintenance. It's designed to clean out welding or cutting torch nozzles, removing debris or blockages that can affect performance.

APEX-NOZZLE CLEANER METAL 1 PER BOX



GAS WELDING & CUTTING

APEX - GAS WELDING & CUTTING CONSUMABLES



- Replacement nozzle nut (BOC)for APEX cutting torches
- Used to secure the cutting nozzle to the cutting torch or cutting attachment

**APEX-NOZZLE
NUT (BOC)**

FOR CUTTING TORCH

1 PER BOX

- Replacement nut for oxygen and acetylene hose
- Oxygen thread right hand
- Acetylene thread left hand



**APEX-BULLNOSE
NUT**

**RIGHT HAND
THREAD**

1 PER BOX

**APEX-BULLNOSE
NUT**

LEFT HAND THREAD

1 PER BOX



- APEX Bull Nose Stem (Brass) is universal, can be used with both Bull Nose nuts
- Acetylene Bull nose nut
- Oxygen Bull Nose nut
- Can be used on Argon flow meters

APEX-BULLNOSE STEM : BRASS-100mm : 1 PER BOX



GAS WELDING & CUTTING

APEX - GAS WELDING & CUTTING CONSUMABLES



- Replacement nut for tail piece for oxygen and acetylene hose
- Oxygen thread right hand
- Acetylene thread left hand
- Tail pieces for use with 8mm hose

APEX-TAIL NUT	RIGHT HAND THREAD 8mm	1 PER BOX
APEX-TAIL NUT	LEFT HAND THREAD 8mm	1 PER BOX



- Replacement nut and tail piece for oxygen and acetylene
- Tail pieces and tail piece nut (8mm) for use with 8mm hose

APEX-TAIL PIECE NUT	BRASS 8mm	1 PER BOX
APEX-TAIL PIECE	BRASS	1 PER BOX



PARALLEL HOSE CLIPS	METAL	10 PER BOX
OETIGER CLAMP	13 / 15	10 PER BOX
OETIGER CLAMP	15 / 18	10 PER BOX



ARC WELDING

APEX - ARC WELDING CONSUMABLES



APEX-ELECTRODE HOLDER | 300AMP | SAMSON TYPE | 1 PER BOX



APEX-EARTH CLAMP | 200AMP | CROC TYPE | 1 PER BOX



APEX-EARTH CLAMP | 300AMP | CROC TYPE | 1 PER BOX



APEX-EARTH CLAMP | 600AMP | CROC TYPE | 1 PER BOX



ARC WELDING CONSUMABLES

APEX - ARC WELDING CONSUMABLES



- All steel types
- Chisel and pick point
- Spring type wire handle
- Used for cleaning welding slag

APEX-CHIPPING HAMMER METAL 1 PER BOX

- Dinse type
- Solid brass connectors
- Rubber insulation
- For use with 10 and 25mm cables
- For use with 35 and 50mm cables
- Can be used to connect cables to welding machines



APEX-MALE DINSE PLUG	10-25	2 PER BOX
APEX-MALE DINSE PLUG	35-50	2 PER BOX



- Replacement panel sockets for welding machines and generators
- Small size for 10/25 Dinse type cable connectors
- Large size for 35/50 cable connectors

APEX-MACHINE SOCKET	10-25	2 PER BOX
APEX-MACHINE SOCKET	35-50	2 PER BOX



ARC WELDING CONSUMABLES

APEX - AUTO DARKENING HELMET

- Solar Power
- High Clear View Filter
- Permanent UV/IR Protection
- High Strength Mask Material
- Sensitivity Dial

APEX-AUTO DARKENING HELMET-BLUE 1 PER BOX
 APEX-AUTO DARKENING HELMET-RED 1 PER BOX



- Replacement clear perspex outer lens for auto darkening welding helmet
- Replacement clear, shade 8 and shade 10 glass outer lens for flip front welding helmet

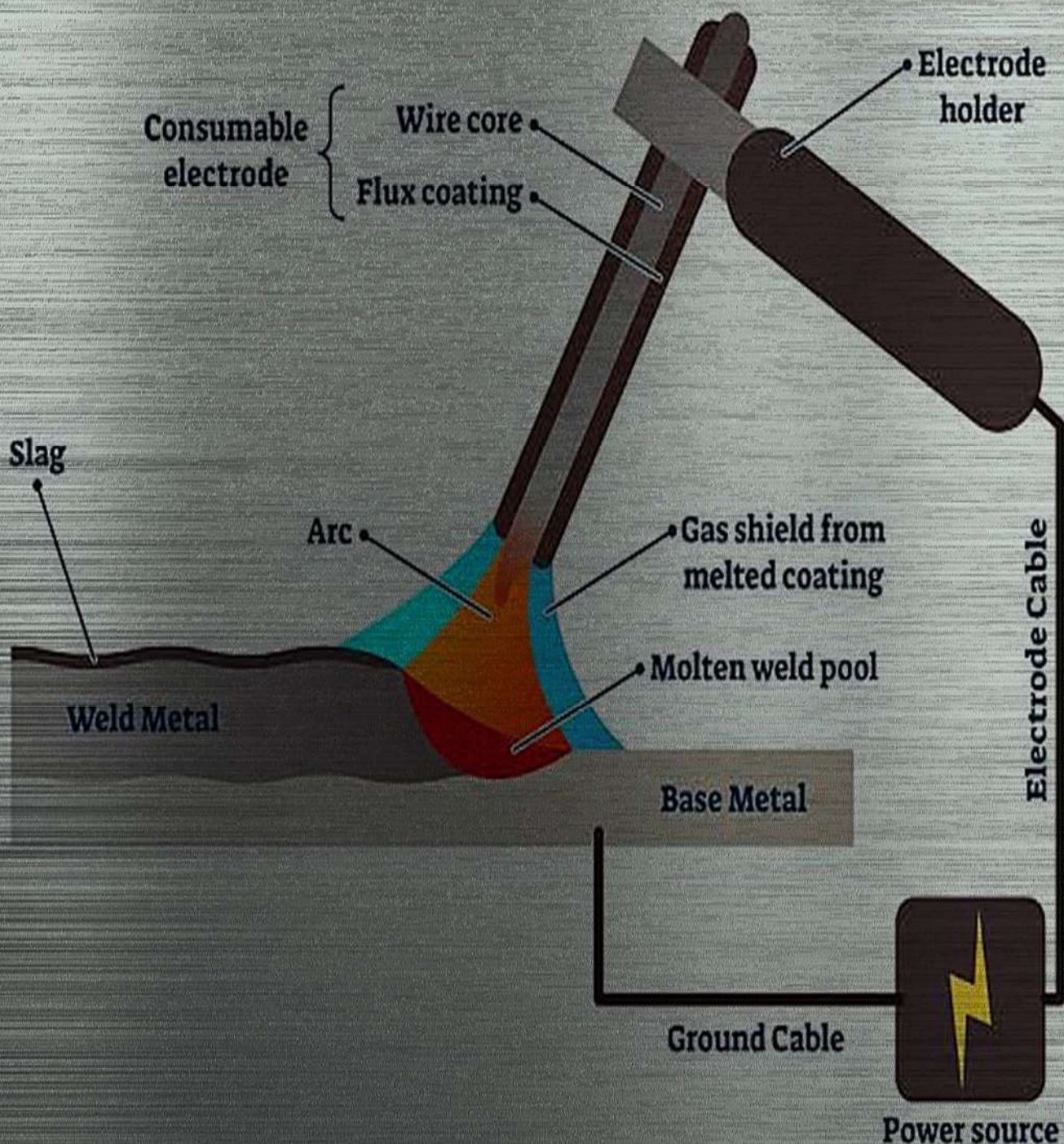


APEX-CLEAR OUTER LENS-AUTO DARKENING	PERSPEX	1 PER BOX
APEX-CLEAR OUTER LENS	GLASS	20 PER BOX
APEX-SHADE 10 OUTER LENS	GLASS	10 PER BOX
APEX-SHADE 8 OUTER LENS	GLASS	10 PER BOX



THE STICK WELDING PROCESS

STICK WELDING





TIG WELDING

APEX - TIG WELDING CONSUMABLES



- Highest quality ground finish
- 2% thoriated (red tip) for mild & stainless steel & aluminum; 150mm long
- 2% zirconiated (white tip) for aluminium; 150mm long

APEX-TUNGSTEN RODS	1.60MM	WHITE	10 PER BOX
APEX-TUNGSTEN RODS	2.40MM	WHITE	10 PER BOX

APEX-TUNGSTEN RODS	1.60MM	RED	10 PER BOX
APEX-TUNGSTEN RODS	2.40MM	RED	10 PER BOX

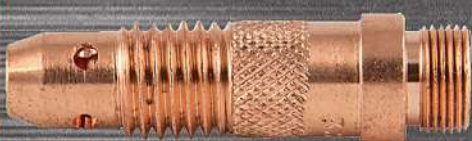
- Used to securely clamp the tungsten electrode
- For use with the 17/26 and 18 series torches

APEX-TIG COLLET	10N23	1.60MM	10 PER BOX
APEX-TIG COLLET	10N24	2.40MM	10 PER BOX



- Used to securely clamp the tungsten electrode
- For use with the 17/26 and 18 series torches

APEX-TIG COLLET	10N23	1.60MM	10 PER BOX
APEX-TIG COLLET	10N24	2.40MM	10 PER BOX



- For use with the 17/26 and 18 series torches

APEX-TIG SHORT BACK CAP	2 PER BOX
APEX-TIG LONG BACK CAP	2 PER BOX





TIG WELDING

APEX - TIG WELDING CONSUMABLES

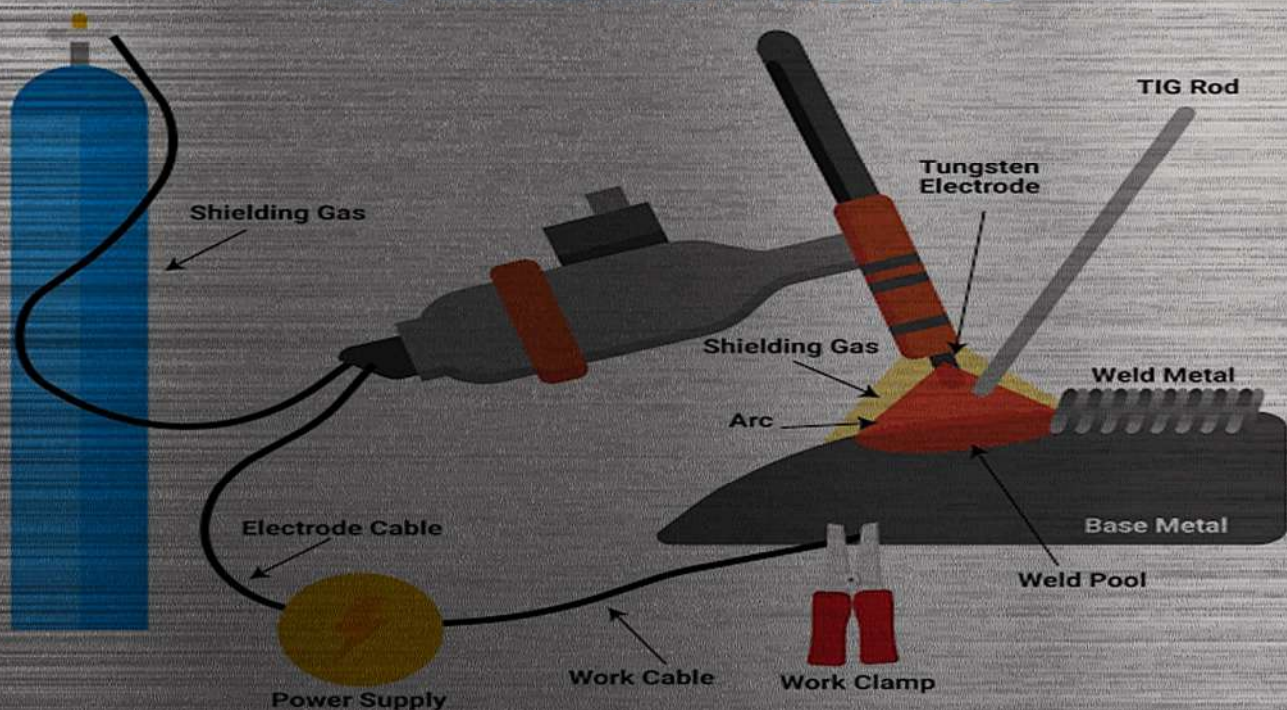


APEX-GAS LENS COLLET BODY	45V26	2.40MM	2 PER BOX
APEX-GAS LENS COLLET BODY	45V64	2.40MM	2 PER BOX



APEX-UPPER INSULATOR	54N63	2 PER BOX
APEX-BOTTOM INSULATOR	54N01	2 PER BOX

TIG WELDING PROCESS





TIG WELDING CONSUMABLES

APEX - TIG WELDING CONSUMABLES

- Manufactured from high strength alumina
- Displays good electrical insulation properties
- High heat and impact resistance



APEX-ALUMINA / CERAMICS NOZZLE	10N45 #10	10 PER BOX
APEX-ALUMINA / CERAMICS NOZZLE	10N46 #8	10 PER BOX
APEX-ALUMINA / CERAMICS NOZZLE	10N47 #7	10 PER BOX
APEX-ALUMINA / CERAMICS NOZZLE	10N48 #6	10 PER BOX
APEX-ALUMINA / CERAMICS NOZZLE	10N49 #5	10 PER BOX
APEX-ALUMINA / CERAMICS NOZZLE	10N50 #4	10 PER BOX



APEX-ALUMINA / CERAMIC NOZZLE	54N14 # 8	10 PER BOX
APEX-ALUMINA / CERAMIC NOZZLE	54N15 # 7	10 PER BOX
APEX-ALUMINA / CERAMIC NOZZLE	54N16 # 6	10 PER BOX
APEX-ALUMINA / CERAMIC NOZZLE	54N17 # 5	10 PER BOX



APEX-ALUMINA / CERAMIC NOZZLE	53N87 # 12	10 PER BOX
APEX-ALUMINA / CERAMIC NOZZLE	53N88 # 10	10 PER BOX



TIG WELDING

APEX - TIG WELDING TORCHES



APEX-TIG TORCH	WP17V X 4MT	AIR COOLED	1 PER BOX
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APEX-TIG TORCH	WP18V X 4MT	WATER COOLED	1 PER BOX
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APEX-TIG TORCH	WP26V X 4MT	AIR COOLED	1 PER BOX
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APEX-TIG TORCH BODY	WP26V	1 PER BOX
APEX-TIG TORCH BODY	WP26V FLEXI	1 PER BOX



TIG WELDING TORCH COMPONENT DIAGRAM





MIG WELDING

APEX - SWAN NECKS



APEX-MB 150 SWAN NECK	1 PER BOX
APEX-MB 250 SWAN NECK	1 PER BOX
APEX-MB 360 SWAN NECK	1 PER BOX
APEX-MB 400 SWAN NECK	1 PER BOX

APEX - SHROUDS



APEX-MB 150 SHROUD	10 PER BOX
APEX-MB 250 SHROUD	10 PER BOX
APEX-MB 360 SHROUD	10 PER BOX
APEX-MB 400 SHROUD	10 PER BOX

APEX - MIG TORCH LINERS



APEX-MIG TORCH LINER-4MT BLUE	0.80mm - 0.90mm	1 PER BOX
APEX-MIG TORCH LINER-4MT RED	1.00mm - 1.20mm	1 PER BOX
APEX-MIG TORCH LINER-5MT RED	1.00mm - 1.20mm	1 PER BOX
APEX-MIG TORCH LINER-4MT YELLOW	1.20mm - 1.60mm	1 PER BOX



MIG WELDING

APEX - MIG WELDING CONSUMABLES



APEX-MB 150 TIP ADAPTOR : 10 PER BOX



APEX-MB 250 TIP ADAPTOR : 10 PER BOX



APEX-MB 400 TIP ADAPTOR : M8 : 10 PER BOX



APEX-MB 36 GAS DIFFUSER : 10 PER BOX

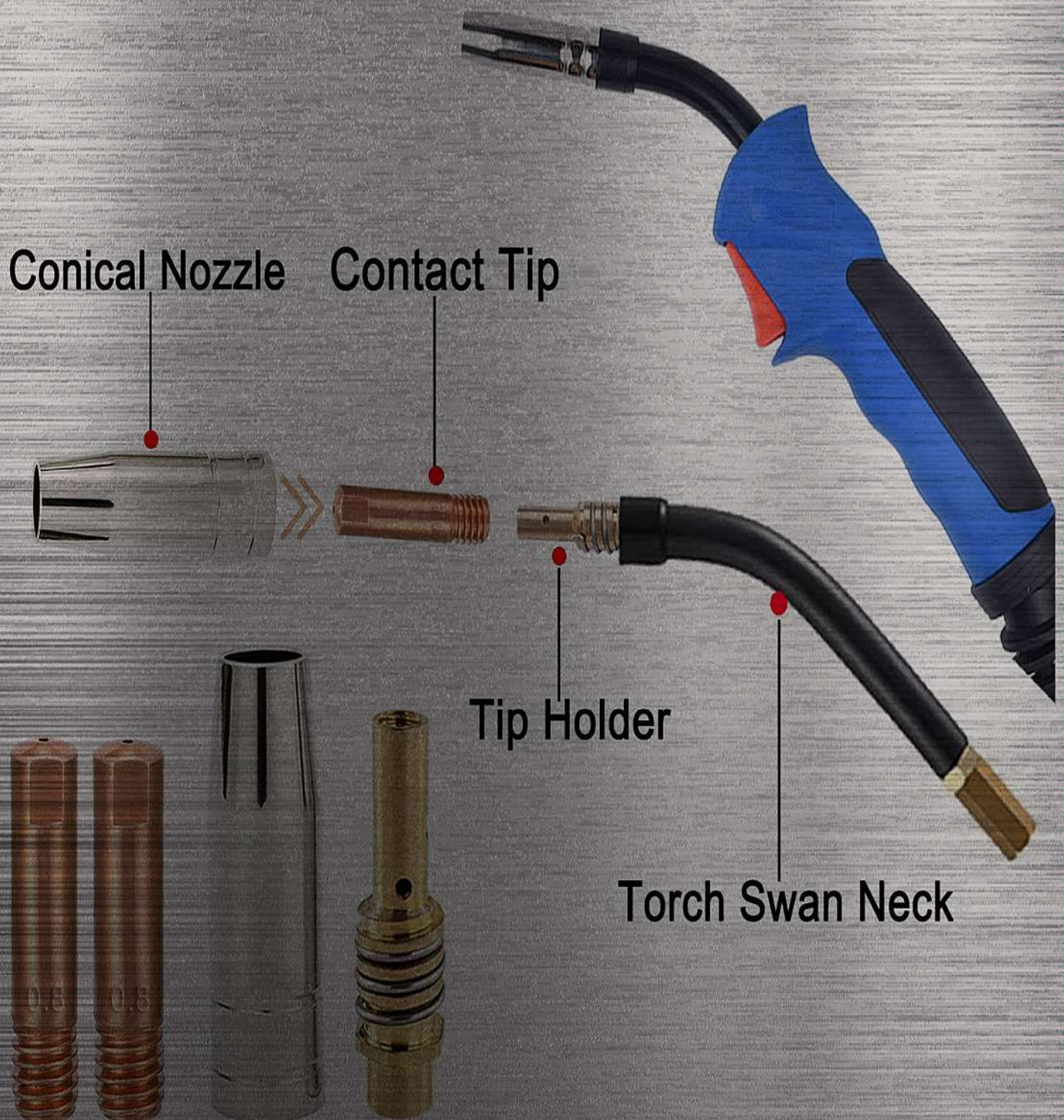
APEX-MB 40 GAS DIFFUSER : 10 PER BOX



APEX-CONTACT TIP	0.80mm	M6	20 PER BOX
APEX-CONTACT TIP	0.90mm	M6	20 PER BOX
APEX-CONTACT TIP	1.00mm	M6	20 PER BOX
APEX-CONTACT TIP	1.20mm	M6	20 PER BOX
APEX-CONTACT TIP	0.90mm	M8	20 PER BOX
APEX-CONTACT TIP	1.00mm	M8	20 PER BOX
APEX-CONTACT TIP	1.20mm	M8	20 PER BOX



MIG WELDING TORCH COMPONENT DIAGRAM





MIG WELDING

APEX - MIG WELDING TORCHES



APEX-MIG TORCH

MB150 X 3MT

1 PER BOX



APEX-MIG TORCH

MB250 X 4MT

1 PER BOX



**APEX-MIG TORCH
APEX-MIG TORCH**

**MB360 X 4MT
MB360 X 5MT**

**1 PER BOX
1 PER BOX**



APEX-MIG TORCH

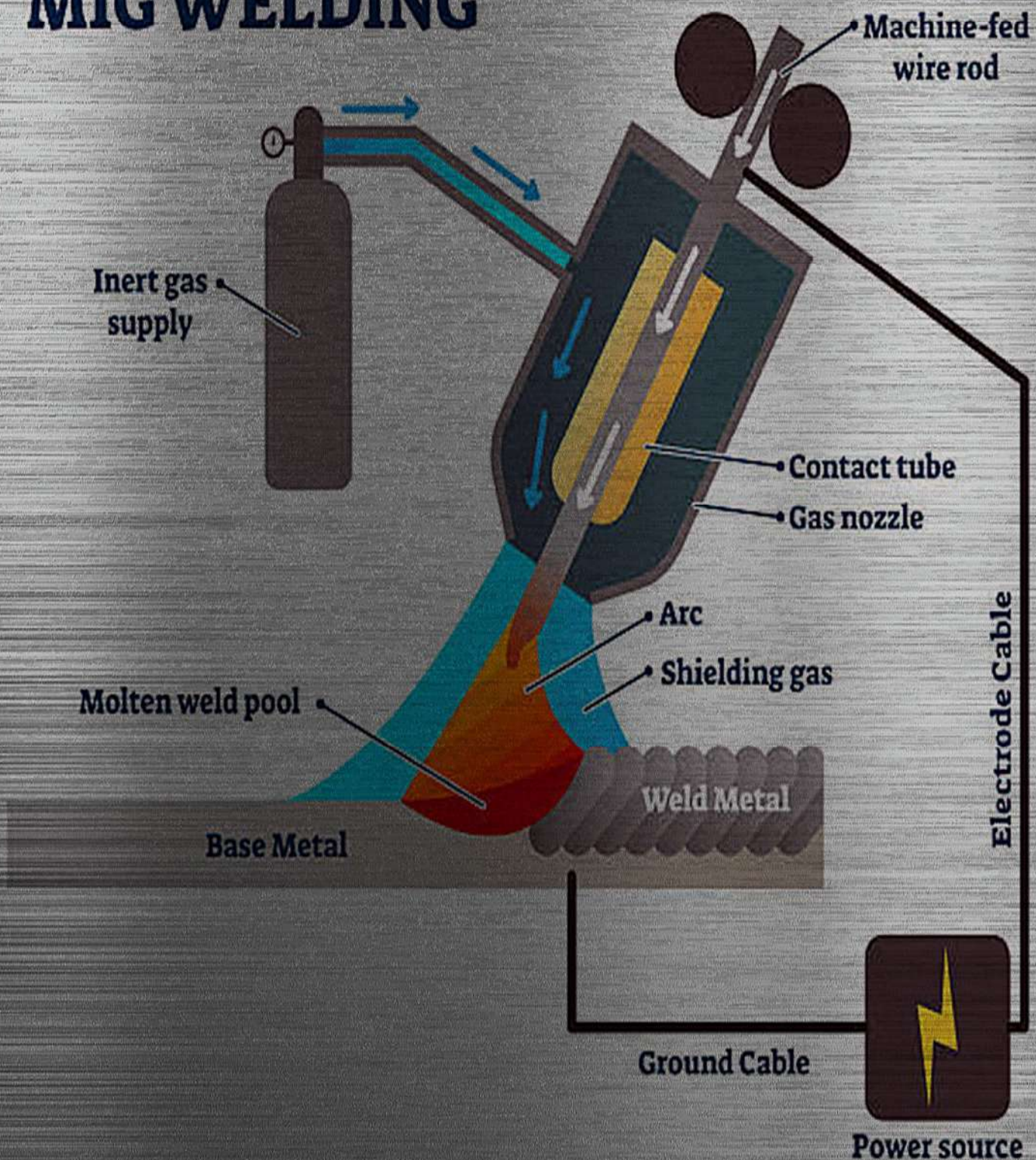
MB400 X 4MT

1 PER BOX



THE MIG WELDING PROCESS

MIG WELDING





PLASMA CUTTING

APEX - PLASMA CUTTING CONSUMABLES



APEX-PLASMA SHIELD CUP PT31 5 PER BOX

APEX-PLASMA SHIELD CUP AG60 5 PER BOX



APEX-PLASMA SHIELD CUP P80 5 PER BOX



APEX-PLASMA TIP / NOZZLE PT31 SHORT 5 PER BOX

APEX-PLASMA TIP / NOZZLE PT31 LONG 5 PER BOX



APEX-PLASMA TIP / NOZZLE AG60 5 PER BOX

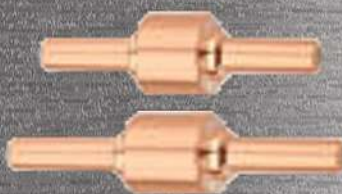


APEX-PLASMA TIP / NOZZLE P80 5 PER BOX



PLASMA CUTTING

APEX - PLASMA CUTTING CONSUMABLES



APEX-PT31 PLASMA ELECTRODE	SHORT	5 PER BOX
APEX-PT31 PLASMA ELECTRODE	LONG	5 PER BOX



APEX-PLASMA ELECTRODE	AG60	5 PER BOX
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APEX-PLASMA ELECTRODE	P80	5 PER BOX
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APEX-PLASMA AIR DIFFUSER	PT31	5 PER BOX
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PLASMA CUTTING COMPONENT DIAGRAM





PLASMA CUTTING

APEX - PLASMA CUTTING TORCHES



APEX-PLASMA TORCH

PT31 X 5MT

1 PER BOX



APEX-PLASMA TORCH

AG60 X 5MT

1 PER BOX



APEX-PLASMA TORCH

P80 X 5MT

1 PER BOX



THE PLASMA CUTTING PROCESS

PLASMA CUTTING PROCESS

