

TECHNOLOGY FOR THE WELDER'S WORLD.



2018 Product Catalogue

BINZEL

[MIG + TIG + ACCESSORIES]



#genuinebinzel



www.binzel-abicor.com

FOLLOW THE LEADER OF WELDING TORCH TECHNOLOGY.



#genuinebinzel

- You can place orders by phone, e-mail, fax or post. We would ask that where possible written orders are used so as to minimise un-necessary mistakes and confusion.

■ Our Telephone number is :	+44 (01925) 653944
■ Our Enquiry Fax number is :	+44 (01925) 654861
■ Our order Fax number is :	free fax (0800) 373661
■ Our order e-mail address is:	orders@abimail.co.uk
■ Our full postal address is :	ABICOR BINZEL UK Limited, Binzel House, Mill Lane Winwick Quay, Warrington, Cheshire, WA2 8UA, United Kingdom
■ Our Office hours are :	Mon - Thurs 8:30am - 5:30pm / Fri 8:30am - 2:00pm

- Please when ordering can you quote an order number together with any specific delivery details.

Deliveries

- We aim to ship, same day, all orders received by 5:00pm (Mon - Thurs) and by 1:15pm on Friday by one of the following services and charges: -

■ Next working day *	Mainland UK (excluding Scottish Highlands)	£6.00
■ 2/3 day **	Scottish Highlands, Northern Ireland and Ireland	£16.00
■ Next working day before 12 noon.	Mainland UK (excluding Scottish Highlands)	£12.00
■ Next working day before 10am	Mainland UK (excluding Scottish Highlands)	£19.00
■ Next working day before 9am	Mainland UK (excluding Scottish Highlands)	£33.00
■ Next working day - Saturday	Mainland UK (excluding Scottish Highlands)	£23.00
■ Same-day	Mainland UK (excluding Scottish Highlands)	POA

- All Next working day * orders (excluding anti-spatter products) over £90.00 net excluding VAT will be carriage free
- All 2/3 day ** orders (excluding anti-spatter products) over £250.00 net excluding VAT will be carriage free.

Returns, Credits & Discrepancies

- With respect to goods being returned to Abicor Binzel UK Ltd, we must insist that the following guidelines are adhered to, to ensure conformity with our quality control procedures.

Returning goods - please complete an "Goods Return Request" form. Available on request info@abimail.co.uk

Re-stocking Charges:

■ Goods Returned within 14 days of date of Invoice	No re-stocking charge
■ Goods Returned between 15 & 28 days of date of Invoice	5% re-stocking charge will apply (min £5.00)
■ Goods Returned after 28 days of date of Invoice	15% re-stocking charge will apply (min £5.00)

Goods returned in excess of 4 months from date of invoice will be offered a stock swap option (less a re-stocking value of 25%)
Not all goods can be accepted for return, i.e. special builds, old stock.
Only goods returned in good re-sale condition can be considered.

- Invoice Discrepancies - please complete an "Invoice Discrepancy" form. Available on request info@abimail.co.uk
- Delivery Discrepancies - please complete an "Delivery Discrepancy" form. Available on request info@abimail.co.uk

Warranty

- If warranty is being sought then please ensure that the following information is supplied with the goods:

- Reason for the claim.
- Details of operating conditions (including amps, volts, duty cycle, shielding gas etc) - if applicable.
Goods must be in reasonable condition related to normal operating conditions and age. If only part of a complete assembly is defective, then only the defective item will be replaced and not the complete assembly.
- If a repair or modification has been attempted, or non-Binzel items fitted, any warranty cover will be invalidated.

Warranty cover is valid for a period of three months from the invoice date. Warranty is extended to equipment repaired by ourselves, in this case however, the replaced parts only are covered.

MB

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Care & Maintenance

Air Cooled



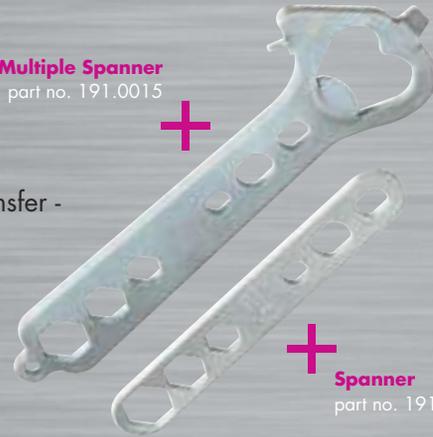
Main Complaints

Excessive usage of contact tips, gas nozzles, gas diffusers, tip adaptors & liners

First check the following :

- **Are the tip adaptor and contact tip loose?**
Loose front end consumables will result in overheating & poor current transfer - make sure they are tight.
- **Contact tips will look overheated (cooked).**
- **Diffusers will have a burnt look at the edges.**
The diffuser is wearing away or cracked.
- **Liners with signs of overheating ringlets may even look melted together.**

Multiple Spanner
part no. 191.0015



Spanner
part no. 191.0001

Gas flow problem?

- **Don't rely on the reading at the regulator.**
Use a gas flow tester to check what is actually being delivered to the front end of the torch.

Welding at a current of 300 amp you should expect to obtain 16 - 18 litres per min with no initial surge of the gas. If the gas surges before settling down you may have a restricted flow regulator. This will normally have 0-30 lpm or 35L written on the bonnet of the regulator.

This type of regulator has a very tiny pin hole in the outlet side making it difficult to deliver the correct volume of gas for the torch to work efficiently when welding at high currents.

Helpful tips ...



- Change the regulator for an un-restricted one.
- Set the regulator to 2-bar pressure & set the flow meter (0-30/0-40 lpm) to 16/18 lpm
- MIG torches are gas cooled and need gas to not only protect the weld metal but gas also cools the front end consumables

Gas flow tester
part no. 191.0003



Liner must be fitted correctly to avoid wire feeding problems.

- **Short or poorly fitted liners will result in wire burn backs.**
See fitting instruction on the liner packet.
- **The liner should have a 45 degree angle at the front end so it fits centrally in the flute at the back of the contact tip.**

How to fit a **liner instructions** are on the liner packaging





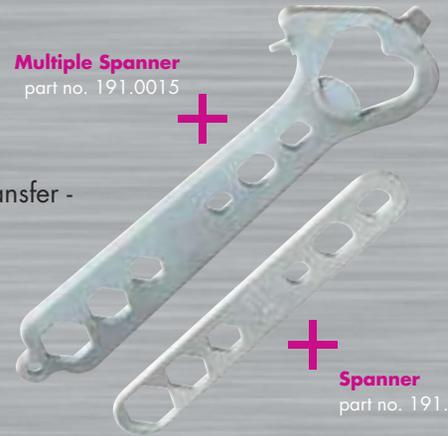
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Multiple Spanner
part no. 191.0015



Spanner
part no. 191.0001

Leaking power cables & over heating swan necks?

- **Is there any coolant in the cooler?**
Coolers should be checked every day by the welder.
- **Are the radiator fins blocked up with dust?**
When was the cooler last blown out with compressed air.
- **Are the hose connections the right way round?**
If not the fluid will be pumped up the power cable first when it should be pumped to the neck first for maximum cooling of the neck.
- **Is the cooler fan working properly?**
Make sure it's not damaged e.g. fan blades broken etc.
- **Is the cooler pump getting too hot?**
It may be air locked or may be blocked.
- **Is the customer using 'tap water' or 'distilled water' with anti-freeze?**
Fittings and connections may have become furred up by 'Electrolytic Action' as tap water allows current pass - this will harden and the power cables may become brittle and fail.

Water Cooler Tester
part no. EKD.D001



Helpful tip ...



Use BTC-15/BTC-20 NF coolant for all MIG & TIG applications as this coolant helps to keep all fittings and connections clean and stops electrolytic action taking place, it lubricates the pump & will pro-long the life of the torch.

BTC-15 Coolant
part no. 192.0110 (5 litre)
part no. 192.0111 (20 litre)

BTC-20 NF Coolant
part no. 192.0265.1 (5 litre)
part no. 192.0267.1 (20 litre)



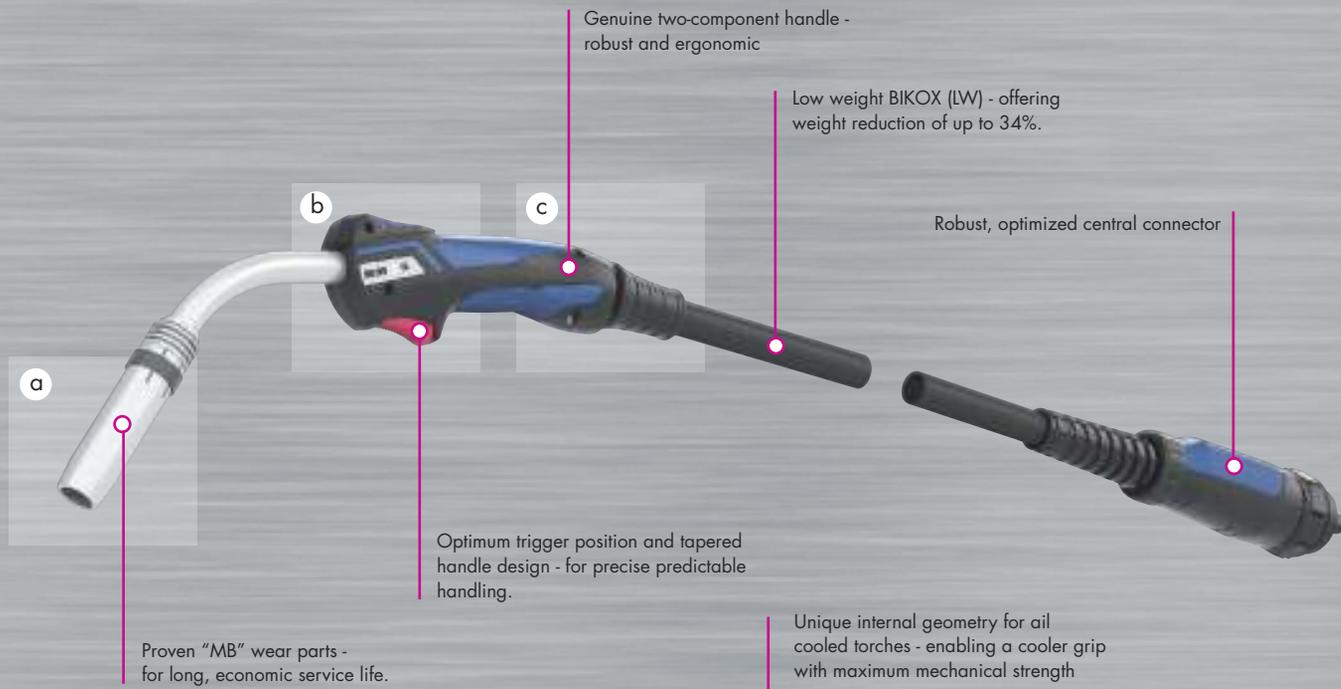
MB EVO PRO Air Cooled

The perfect combination of handling and performance ...

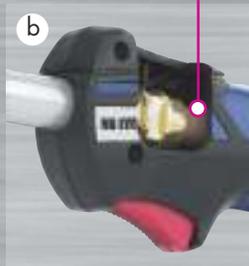
Air cooled MB EVO PRO welding torches feature the reduced weight "BIKOX® LW" cable assembly, for even better handling and scientifically proven reduced operator fatigue, in all welding positions. Improved handling and reduced strain have been shown to have a measurable impact on weld seam quality.

Market leading performance ...

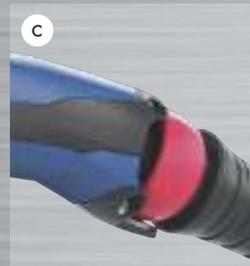
Due to a mass reduction up to 34% (when fitted with a 4m cable) ABICOR BINZEL sets the benchmark for "performance to torch weight ratio" and overall handling weight.



"MB" front end in detail.

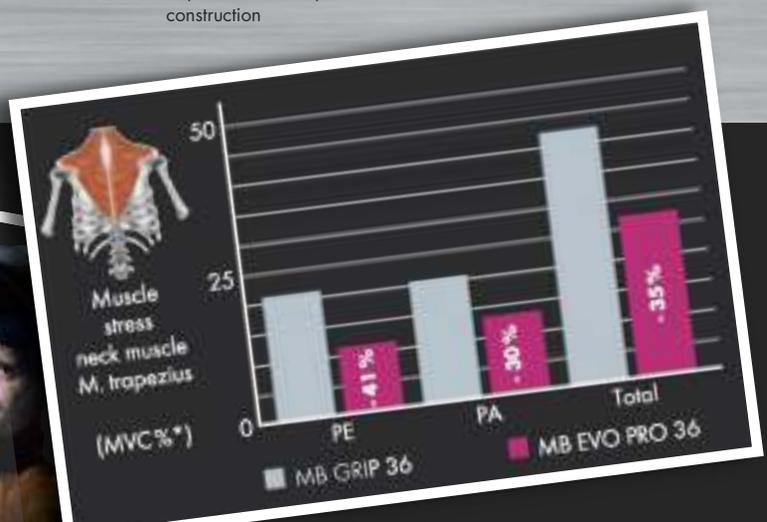


Optimized internal geometry.



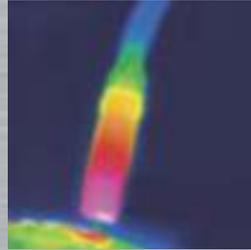
Sophisticated ball joint construction

Reduced muscle strain of up to 35% ...

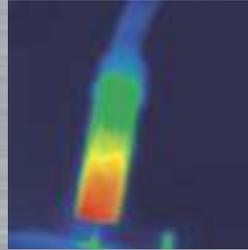


It's the detail that makes the difference ...

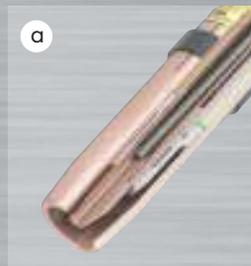
The appeal of liquid cooled MB EVO PRO torches is further enhanced due to the redesigned cooling concept and selected material combination. Improved front end cooling increases wear part service life and realises extra performance reserves, enabling welding at higher power outputs.



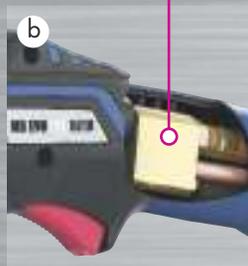
Front end:
Competitor Type 501 D



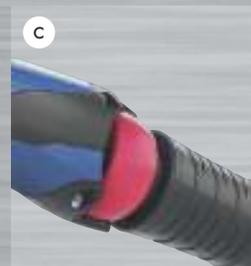
Front end:
MB EVO PRO 501 D



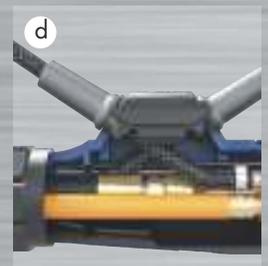
"MB" front end in detail.



Optimized internal geometry.



Sophisticated ball joint construction



Robust, optimized central connector

Consumption of contact tips per coil of wire ...

The impact of improved wear part cooling became obvious in a real industrial setting. Over a three month industry test, in four separate production departments, at a large end user, the consumption of contact tips per coil of wire was measured under real conditions.

Conclusion : contact tip consumption was halved.



MB EVO/EVO PRO Torches

Air & Liquid Cooled

Technical Data

(EN 60 974-7)



MB EVO 15

MIG/MAG Welding Torch

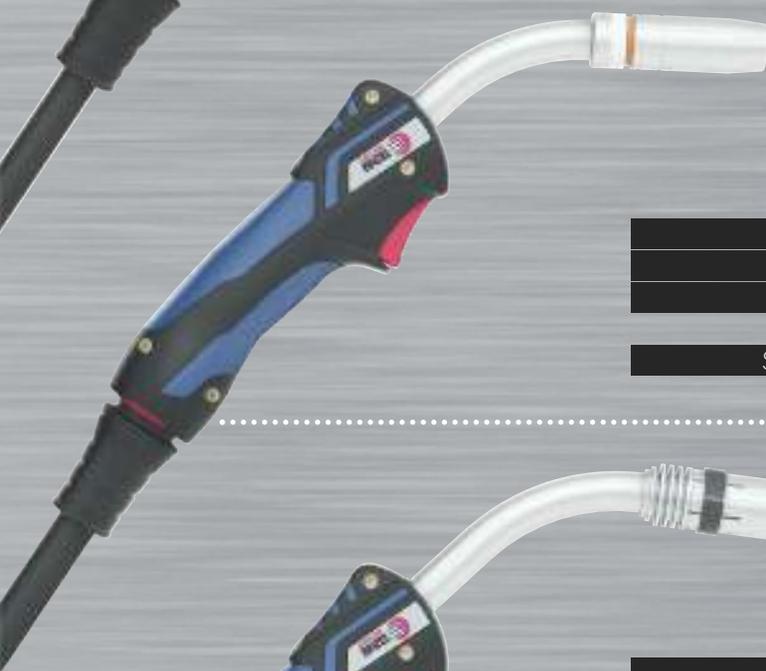
Length	Part No.
3 Metre	002.0709.1
4 Metre	002.0710.1
5 Metre	002.0711.1
Swan Neck	002.0715.1

Air Cooled

150 Amp
(Mixed Gases)

60%

0.6-1.0mm



MB EVO PRO 25

MIG/MAG Welding Torch

Length	Part No.
3 Metre	004.0671.1
4 Metre	004.0672.1
5 Metre	004.0673.1
Swan Neck	004.0663.1

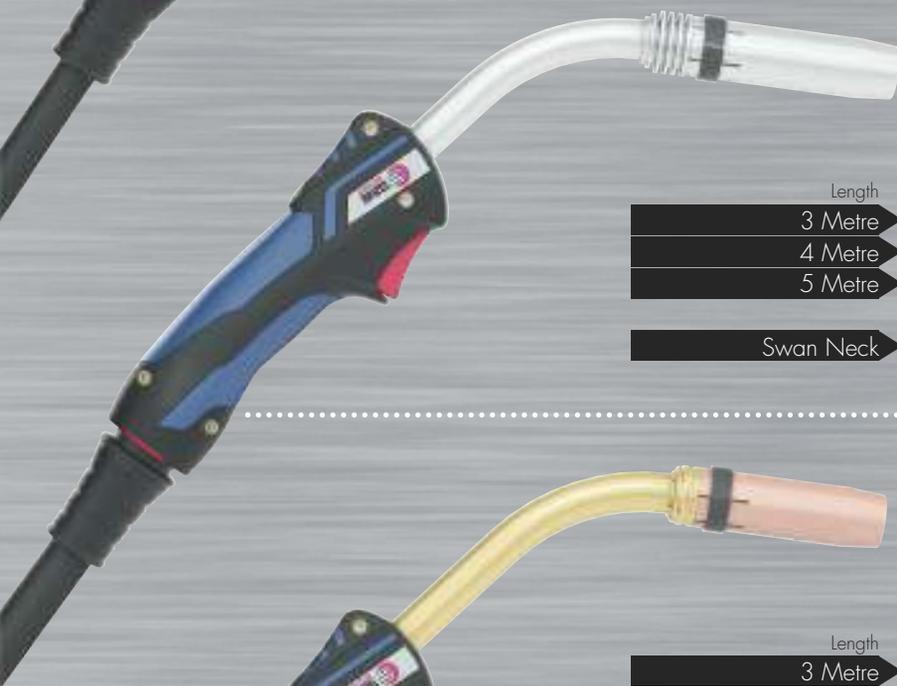
Up to
34%
lighter!!!

Air Cooled

200 Amp
(Mixed Gases)

60%

0.8-1.2mm



MB EVO PRO 36

MIG/MAG Welding Torch

Length	Part No.
3 Metre	014.0529.1
4 Metre	014.0530.1
5 Metre	014.0531.1
Swan Neck	014.0518.1

Up to
34%
lighter!!!

Air Cooled

290 Amp
(Mixed Gases)

60%

0.8-1.2mm



MB EVO PRO 501

MIG/MAG Welding Torch

Length	Part No.
3 Metre	034.0862.1
4 Metre	034.0863.1
5 Metre	034.0864.1
Swan Neck	034.0856.1

Liquid Cooled

500 Amp
(Mixed Gases)

100%

1.0-1.6mm



Visit our YouTube channel
ABICOR BINZEL to watch the
MB EVO PRO promotional
feature film >>





Bikox® Power Cable
Light-weight / 10mm²

Length	Part No.
3 Metre	160.1291
4 Metre	160.1292
5 Metre	160.1293



Handle

Description	Part No.
Handle (Complete)	180.0178.1
Switch	185.0142.1

MB EVO PRO 25



Bikox® LW Power Cable
Light-weight / 28mm²

Length	Part No.
3 Metre	160.H032.1
4 Metre	160.H033.1
5 Metre	160.H034.1



Handle

Description	Part No.
Handle (Complete)	180.0176.1
Switch	185.0142.1

MB EVO PRO 36



Bikox® LW Power Cable
Light-weight / 53mm²

Length	Part No.
3 Metre	160.H046.1
4 Metre	160.H047.1
5 Metre	160.H048.1



Handle

Description	Part No.
Handle (Complete)	180.0176.1
Switch	185.0142.1

MB EVO PRO 501



+ FRH water hoses with a special protective fabric.

FRH Power Cable

Length	Part No.
3 Metre	115.0830.1
4 Metre	115.0831.1
5 Metre	115.0832.1



Handle

Description	Part No.
Handle (Complete)	180.0177.1
Switch	185.0142.1

Wire & Gas Conduit

Length	Part No.
3 Metre	154.0017.1
4 Metre	154.0018.1
5 Metre	154.0019.1

Outer Cover

Length	Part No.
3 Metre	107.0109.1
4 Metre	107.0110.1
5 Metre	107.0111.1

FRH Water Hose
Fabric Rubber Hose

Length (min. 40m) Per Metre	Part No.
	109.0052

+ Due to the new combined Wire & Gas Conduit, which reduces weight & increases flexibility, you need to use an **insulated liner** (page 18) as standard instead of steel.

This prevents the loss of any gas and any reduction in voltage.



MB ERGO

MIG/MAG Torches

Technical Data

(EN 60 974-7)



MB EVO 15 AK
MIG/MAG Welding Torch

Length	Part No.
3 Metre	002.0449
4 Metre	002.0450
5 Metre	002.0451
Swan Neck	002.0009

- Air Cooled**
- 150 Amp**
(Mixed Gases)
- 60%**
- 0.6-1.0mm**



MB ERGO 25
MIG/MAG Welding Torch

Length	Part No.
3 Metre	004.0312
4 Metre	004.0313
5 Metre	004.0314
Swan Neck	004.0012

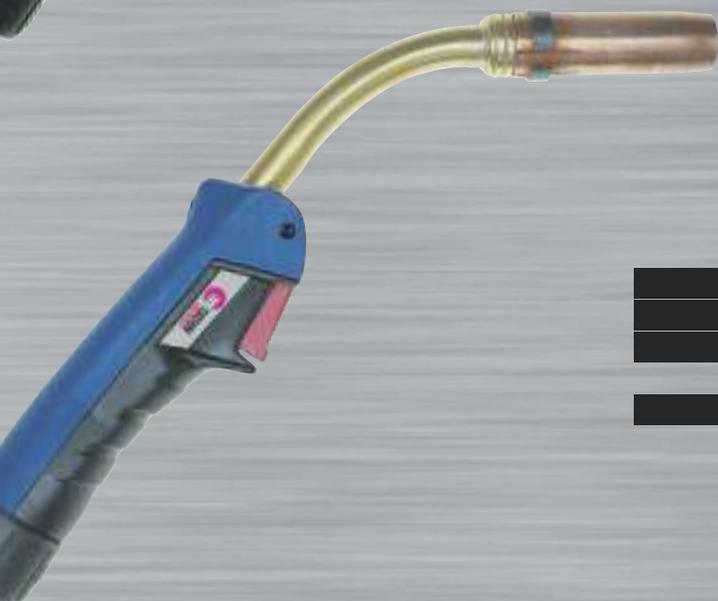
- Air Cooled**
- 200 Amp**
(Mixed Gases)
- 60%**
- 0.8-1.2mm**



MB ERGO 36
MIG/MAG Welding Torch

Length	Part No.
3 Metre	014.0143
4 Metre	014.0144
5 Metre	014.0145
Swan Neck	014.0006

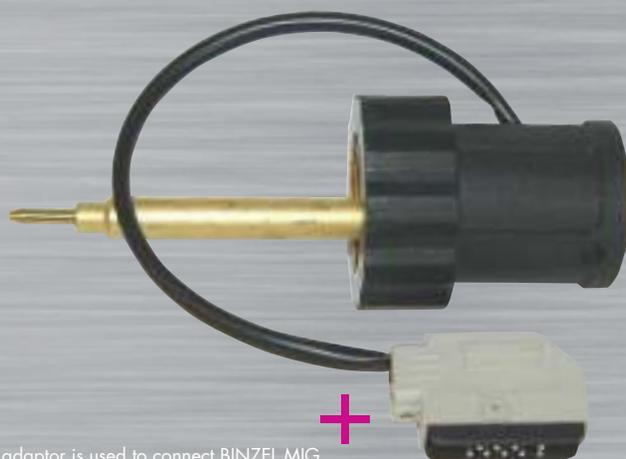
- Air Cooled**
- 270 Amp**
(Mixed Gases)
- 60%**
- 0.8-1.2mm**



MB ERGO 501
MIG/MAG Welding Torch

Length	Part No.
3 Metre	034.0160
4 Metre	034.0161
5 Metre	034.0162
Swan Neck	034.0001

- Liquid Cooled**
- 450 Amp**
(Mixed Gases)
- 100%**
- 1.0-1.6mm**



This adaptor is used to connect BINZEL MIG welding torches to a FRONIUS® wire feed system - air & liquid cooled



Adaptor Kit
FRONIUS® > Euro

Description	Part No.
Fronius > Euro	226.D035.1

MILLER® > Euro



This adaptor is used to connect BINZEL MIG welding torches to a MILLER® wire feed system - air & liquid cooled



Adaptor Kit
MILLER® > Euro

Description	Part No.
1 Miller > Euro	601.1828
2 Miller > Euro	601.9081



Selection of guide tubes



Miller > Euro Adaptor



Insulation flange

Contents of part no. 601.1828

1



Selection of guide tubes



Miller > Euro Adaptor



Insulation flange

Contents of part no. 601.9081

2

Consumables

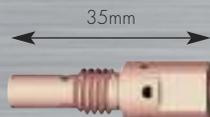
Tip Adaptors



MB 15
ERGO/EVO/EVO PRO
Pack size = 10

Size
M6

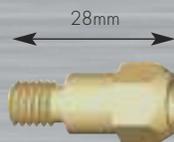
Part No.
002.0078



MB 25
ERGO/EVO/EVO PRO
Pack size = 10

Size
M6
M8

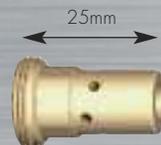
Part No.
142.0001 ●
142.0015



MB 36
ERGO/EVO/EVO PRO
Pack size = 10

Size
M6
M8

Part No.
142.0005
142.0020 ●



MB 501
ERGO/EVO/EVO PRO
Pack size = 10

Size
M8

Part No.
142.0022

Gas Diffusers



MB 36
ERGO/EVO/EVO PRO
Pack size = 10

Type
Standard

Part No.
014.0261



MB 501
ERGO/EVO/EVO PRO
Pack size = 10

Type
Standard

Part No.
030.0145

Nozzle Springs



MB 15
ERGO/EVO/EVO PRO
Pack size = 10

Nozzle Spring

Part No.
002.0058



MB 25
ERGO/EVO/EVO PRO
Pack size = 10

Nozzle Spring

Part No.
003.0013

Get more life out of your BINZEL consumables ...

Ceramic Coating Spray

- Reduction of ongoing maintenance costs.
- Increase of equipment availability.
- Excellent adhesion of the coating.
- High abrasion resistance.

Ceramic Spray Coating Cap

- Cost savings through less consumption.
- Protects welders and the environment.
- Time saving thanks to better handling.
- Optimised coating of the gas nozzle.
- Can be used several times.

See **page 47** for list prices.



Long-lasting protection

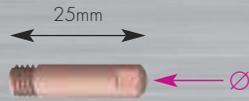
for the gas nozzle area, workpiece holder and workpiece. Silicon free. Extremely heat-resistant and abrasion-resistant.



Contact Tips

Heavy Duty (CuCrZr)

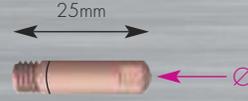
Standard (E-Cu)



MB 15
Standard (E-Cu)
Pack size = 50

M6

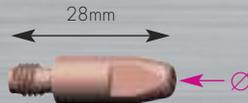
Diameter	Part No.
Ø 0.6 mm	140.0008
Ø 0.8 mm	140.0059 ●
Ø 1.0 mm	140.0253
Ø 1.2 mm	140.0387



MB 15
Heavy Duty (CuCrZr)
Pack size = 50

M6

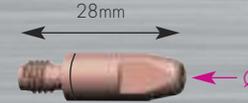
Diameter	Part No.
Ø 0.6 mm	-
Ø 0.8 mm	140.0062
Ø 1.0 mm	140.0256
Ø 1.2 mm	140.0390



MB 25
Standard (E-Cu)
Pack size = 50

M6

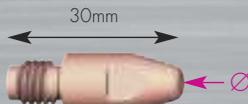
Diameter	Part No.
Ø 0.8 mm	140.0051
Ø 1.0 mm	140.0242 ●
Ø 1.2 mm	140.0379
Ø 1.4 mm	140.0516
Ø 1.6 mm	140.0555



MB 25
Heavy Duty (CuCrZr)
Pack size = 50

M6

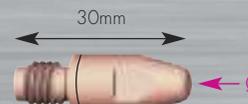
Diameter	Part No.
Ø 0.8 mm	140.0054
Ø 1.0 mm	140.0245
Ø 1.2 mm	140.0382
Ø 1.4 mm	140.0519
Ø 1.6 mm	140.0558



MB 36/501
Standard (E-Cu)
Pack size = 50

M8

Diameter	Part No.
Ø 0.8 mm	140.0114
Ø 1.0 mm	140.0313
Ø 1.2 mm	140.0442 ●
Ø 1.4 mm	140.0533
Ø 1.6 mm	140.0587

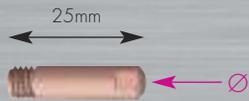


MB 36/501
Heavy Duty (CuCrZr)
Pack size = 50

M8

Diameter	Part No.
Ø 0.8 mm	140.0117
Ø 1.0 mm	140.0316
Ø 1.2 mm	140.0445
Ø 1.4 mm	140.0536
Ø 1.6 mm	140.0590

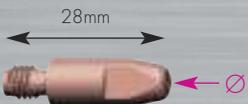
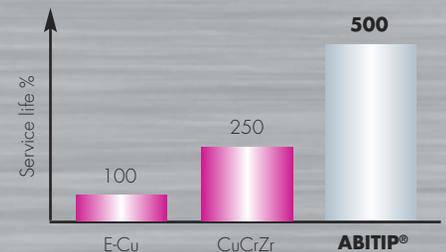
Aluminium



MB15
Aluminium
Pack size = 50

M6

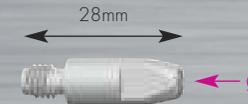
Diameter	Part No.
Ø 0.8 mm	141.0002
Ø 1.0 mm	141.0007
Ø 1.2 mm	141.0011



MB 25
Aluminium
Pack size = 50

M6

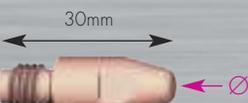
Diameter	Part No.
Ø 0.8 mm	141.0001
Ø 1.0 mm	141.0006
Ø 1.2 mm	141.0010
Ø 1.4 mm	141.0019
Ø 1.6 mm	141.0020



MB 25
ABITIP®
Pack size = 10

M6

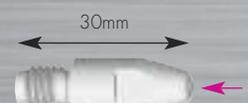
Diameter	Part No.
Ø 0.8 mm	144.0054
Ø 1.0 mm	144.0245
Ø 1.2 mm	144.0382
Ø 1.4 mm	144.0519



MB 36/501
Aluminium
Pack size = 50

M8

Diameter	Part No.
Ø 0.8 mm	141.0003
Ø 1.0 mm	141.0008
Ø 1.2 mm	141.0015
Ø 1.4 mm	141.0055
Ø 1.6 mm	141.0022



MB 36/501
ABITIP®
Pack size = 10

M8

Diameter	Part No.
Ø 0.8 mm	144.0117
Ø 1.0 mm	144.0316
Ø 1.2 mm	144.0445
Ø 1.4 mm	144.0536
Ø 1.6 mm	144.0590

● Included in the standard equipment fitted to complete torches.

Gas Nozzles

Standard



MB 15
ERGO/EVO/EVO PRO
Pack size = 10

Ø A	Type	Part No.
16mm	Cylindrical	145.0041
12mm	Conical	145.0075 ●
9.5mm	Tapered	145.0123



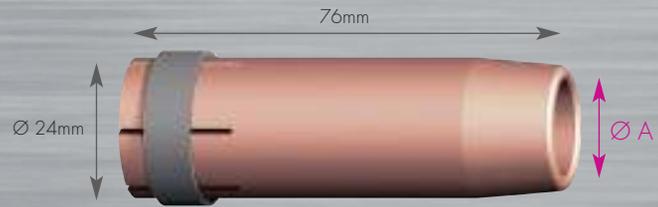
MB 25
ERGO/EVO/EVO PRO
Pack size = 10

Ø A	Type	Part No.
18mm	Cylindrical	145.0042
15mm	Conical	145.0076 ●
11.5mm	Tapered	145.0124



MB 36
ERGO/EVO/EVO PRO
Pack size = 10

Ø A	Type	Part No.
19mm	Cylindrical	145.0045
16mm	Conical	145.0078 ●
12mm	Tapered	145.0126



MB 501
ERGO/EVO/EVO PRO
Pack size = 10

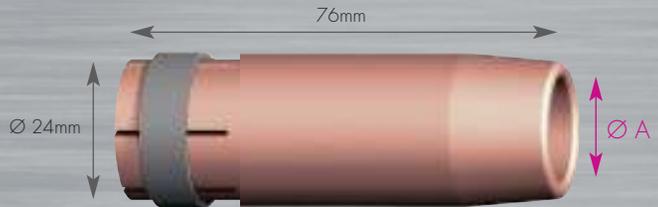
Ø A	Type	Part No.
20mm	Cylindrical	145.0051
16mm	Conical	145.0085 ●
14mm	Tapered	145.0132

Heavy Duty



MB 25
Heavy Duty Nozzle

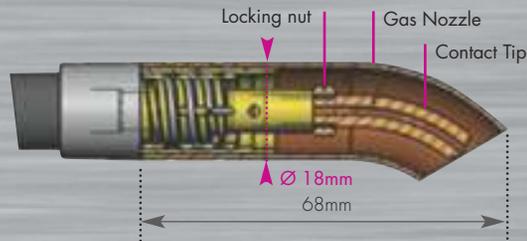
Ø A	Type	Part No.
15mm	Conical	145.D030
21mm	Cylindrical	145.D031



MB 501
Heavy Duty Nozzle

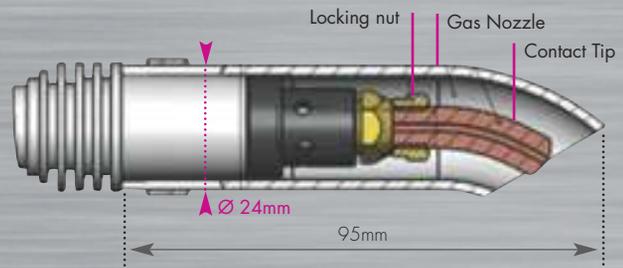
Ø A	Type	Part No.
16mm	Conical	145.0086

Bent



MB 15
Bent Consumables

Type	Description	Part No.
-	Gas Nozzle	145.D368
M6	Contact Tip 1.0mm	140.D476.10
M6	Contact Tip 1.2mm	140.D478.10
M6	Locking Nut	001.D220.10



MB 36/501
Bent Consumables

Type	Description	Part No.
-	Gas Nozzle	145.D460.5
M8	Contact Tip 1.0mm	147.D481.10
M8	Contact Tip 1.2mm	147.D482.10
M8	Locking Nut	001.D221.10

For MB 36 KD setup you also require these additional parts:
Gas Diffuser (018.0116) & Short Tip Adaptor (142.0007)

MB 36 KD Setup
Standard parts include -
Gas Diffusor (014.0261)

1 2 3 4

Short Tip Adaptor
Pack size = 10

M8 Contact Tip
Pack size = 10

Centring Piece

No.	Part Number	Part No.
1		142.0082

No.	Size	Part No.
2	1.0mm	140.0343
	1.2mm	140.0475
	Centring Piece	030.0118

Gas Nozzle
Pack size = 10

No.	Part Number	Part No.
3		145.0166

Gas Nozzle Extension
Pack size = 1

No.	Part Number	Part No.
4		030.0010

MB ERGO/EVO/EVO PRO 36 & 501

Standard parts required
:Gas Diffusor (014.0261)

Standard parts required:
Gas Diffusor (030.0145)
Tip Adaptor (142.0022)

5 6 7 MB 36 Setup

6 7 MB 501 Setup

MB 36
Short Tip Adaptor
Pack size = 10

63 mm

128 mm

60 mm

Ø A

M8 Contact Tip
Heavy Duty (CuCrZr)
Pack size = 10

No.	Size	Part No.
6	1.0mm	140.1584.10
	1.2mm	140.1585.10

Gas Nozzle
Pack size = 5

No.	Ø A	Part No.
7	1.5mm	145.0707.5

Manual Torch Liners

PVC Coated

We strongly recommend the use of **Combi** versions in manual torches to increase performance, extend the life of the liner & prevent the liner from melting in the torch neck.

Recommended for:



ERGO 15,25,36
EVO/EVO PRO 15,25,36,501

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	0.6 - 0.8 mm	124.0011 ●	124.0012 ●	124.0015 ●
	1.0 - 1.2 mm	124.0026 ●	124.0031 ●	124.0035 ●
	1.4 - 1.6 mm	124.0041	124.0042	124.0044

- Air or Liquid Cooled
- Low or High Temp
- Hard Wires

PTFE

Recommended for low heat applications in air cooled torches. They can be used on higher heat applications when used with a liquid cooled torch and a brass neck liner.



ERGO/EVO/EVO PRO 15,25,36,501

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	0.6 - 0.8 mm	126.0005	126.0008	126.0011
	1.0 - 1.2 mm	126.0021	126.0026	126.0028
	1.4 - 1.6 mm	126.0039	126.0042	126.0045

- Air or Liquid Cooled
- Low Temp
- Soft Wires

Combi-PTFE

The addition of a short brass spiral wound liner attached to the front of the PTFE liner enables this liner to be used in higher temperature applications.



ERGO/EVO/EVO PRO 15,25,36,501

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	0.6 - 0.8 mm	126.M002	126.M003	-
	1.0 - 1.2 mm	126.M006	126.M007	126.M008
	1.4 - 1.6 mm	126.M009	126.M010	126.M011

- Air or Liquid Cooled
- High Temp
- Soft Wires

Plain Steel

These liners have a good balance of rigidity and flexibility, performance and price. Most standard welding wire works well with steel liners.



ERGO 501

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	0.6 - 0.8 mm	122.0005	122.0007	122.0009
	1.0 - 1.2 mm	122.0031 ●	122.0036 ●	122.0039 ●
	1.4 - 1.6 mm	122.0056	122.0060	122.0063

- Liquid Cooled
- High Temp
- Hard Wires

Carbon PTFE

Designed for wires that are difficult to feed (e.g. stainless & nickel) due to either the composition of the wire (soft) or the outside characteristics of the wire. The PTFE material is impregnated with carbon leading to better wear characteristics compared to other plastic liners.



ERGO/EVO/EVO PRO 15,25,36

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	0.6 - 0.8 mm	127.0002	127.0003	127.0004
	1.0 - 1.2 mm	127.0005	127.0007	127.0008
	1.4 - 1.6 mm	127.0010	127.0012	127.0013

- Air Cooled
- Low or High Temp
- Soft or Hard Wires

Combi-Carbon PTFE

Same as the Carbon PTFE liner but with the addition of a short brass spiral wound liner attached to the front enables it to be used in higher temperature applications.



ERGO/EVO/EVO PRO 15,25,36

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	1.0 - 1.2 mm	127.M006	127.M007	127.M008

- Air Cooled
- High Temp
- Soft or Hard Wires

Polyamide (PA)

Designed to be used in low temperature applications in a variety of wire types. It is a low cost alternative and a good choice for low duty cycle air-cooled, Push-Pull applications.



ERGO/EVO/EVO PRO 15,25,36

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	1.0 - 1.2 mm	128.0012	128.0015	128.0016
	1.4 - 1.6 mm	128.0020	128.0021	128.0030

- Air Cooled
- Low Temp
- Soft Wires

Combi-PA

The addition of a short brass spiral wound liner attached to the front enables this liner to be used in higher temperature applications. The brass part aids in transferring current to the weld wire, and for this reason, Combi-PA liners are often used with soft wires (Aluminium).



ERGO/EVO/EVO PRO 15,25,36,501

Colour	Diameter Ø	3 Metre	4 Metre	5 Metre
	1.0 - 1.2 mm	128.M002	128.M003	128.M004

- Air or Liquid Cooled
- High Temp
- Soft Wires

ABI glide

COMBI TORCH LINER



**EXCLUSIVELY DESIGNED BY BINZEL
FOR USE IN GENUINE BINZEL TORCHES**

EXTREMELY LOW FRICTION.

**PERFECT FOR DIFFICULT TO FEED
WIRES e.g. ALUMINIUM,
STAINLESS & NICKEL.**

AVAILABLE IN A 50M COIL.

Diameter Ø	Length	Part No.
1.0 - 1.6mm	3 Metres	128GB001
1.0 - 1.6mm	4 Metres	128GB002
1.0 - 1.6mm	5 Metres	128GB003
1.0 - 1.6mm	6 Metres	128GB004



#genuinebinzel



www.binzel-abicor.com

Tweco® Style Consumables

Contact Tips



Tweco® No.2/3/4
Standard
Pack Size = 25

Diameter	Part No.
(.030") Ø 0.8 mm	FG14-30
(.035") Ø 0.9 mm	FG14-35
(.040") Ø 1.0 mm	FG14-40
(.045") Ø 1.2 mm	FG14-45
(1/16") Ø 1.6 mm	FG14-116



Tweco® No.2/3/4
Heavy Duty
Pack Size = 25

Diameter	Part No.
(.030") Ø 0.8 mm	-
(.035") Ø 0.9 mm	FG14H-35
(.040") Ø 1.0 mm	FG14H-40
(.045") Ø 1.2 mm	FG14H-45
(1/16") Ø 1.6 mm	FG14H-116



Tweco® No.2/3/4
Tapered
Pack Size = 25

Diameter	Part No.
(.040") Ø 1.0 mm	FG14T-40
(.045") Ø 1.2 mm	FG14T-45

Diffusor



Tweco® No.2/4
Brass
Pack Size = 5

Part No.
FG54A

Brass

Insulators



Tweco® No.2
Insulator
Pack Size = 5

Part No.
FG32

Insulator



Tweco® No.4
Insulator
Pack Size = 5

Part No.
FG34A

Insulator

Nozzles



Tweco® No.2/3/4
Insulated
Pack Size = 2

Diameter	Part No.
Ø 9mm (3/8")	FG23-37
Ø 13mm (1/2")	FG23-50
Ø 15mm (5/8")	FG23-62
Ø 19mm (3/4")	FG23-75



Tweco® No.2/3/4
CT Nozzles
Pack Size = 2

Diameter	Part No.
Ø 13mm (1/2")	FG24CT-50S
Ø 15mm (5/8")	FG24CT-62S
Ø 19mm (3/4")	FG24CT-75S

Insulator for CT Nozzles	FG34CT
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References to the named brands, machines or part numbers are for convenience only.



Standard
Short
Pack Size = 25

Diameter	Part No.
(.030") Ø 0.8 mm	FG7488
(.035") Ø 0.9 mm	FG7489
(.040") Ø 1.0 mm	FG7496
(.045") Ø 1.2 mm	FG7490
(1/16") Ø 1.6 mm	FG7491



Standard
Long
Pack Size = 25

Diameter	Part No.
(.030") Ø 0.8 mm	FG1588
(.035") Ø 0.9 mm	FG1589
(.040") Ø 1.0 mm	-
(.045") Ø 1.2 mm	FG1590
(1/16") Ø 1.6 mm	FG1591

Diffusors



200-300A
Gas Diffusors
Pack Size = 5

Type	Part No.
For Short Tips	FG4235
For Long Tips	FG4335



350-500A
Gas Diffusors
Pack Size = 5

Type	Part No.
For Short Tips	FG4435
For Long Tips	FG4635

Insulators



200-300A
Insulator
Pack Size = 2

Insulator	Part No.
Insulator	FG4323R



350-500A
Insulator
Pack Size = 2

Insulator	Part No.
Insulator	FG4423R

Nozzles



200-300A
Standard
Pack Size = 2

Material	Diameter	Part No.
Brass	15mm (5/8")	FG4391
Brass	13mm (1/2")	FG4392
Copper	15mm (5/8")	FG4393
Copper	13mm (1/2")	FG4394



350-500A
Standard
Pack Size = 2

Material	Diameter	Part No.
Brass	19mm (3/4")	FG4491
Brass	14mm (9/16")	FG4492
Copper	19mm (3/4")	FG4591
Copper	14mm (9/16")	FG4592

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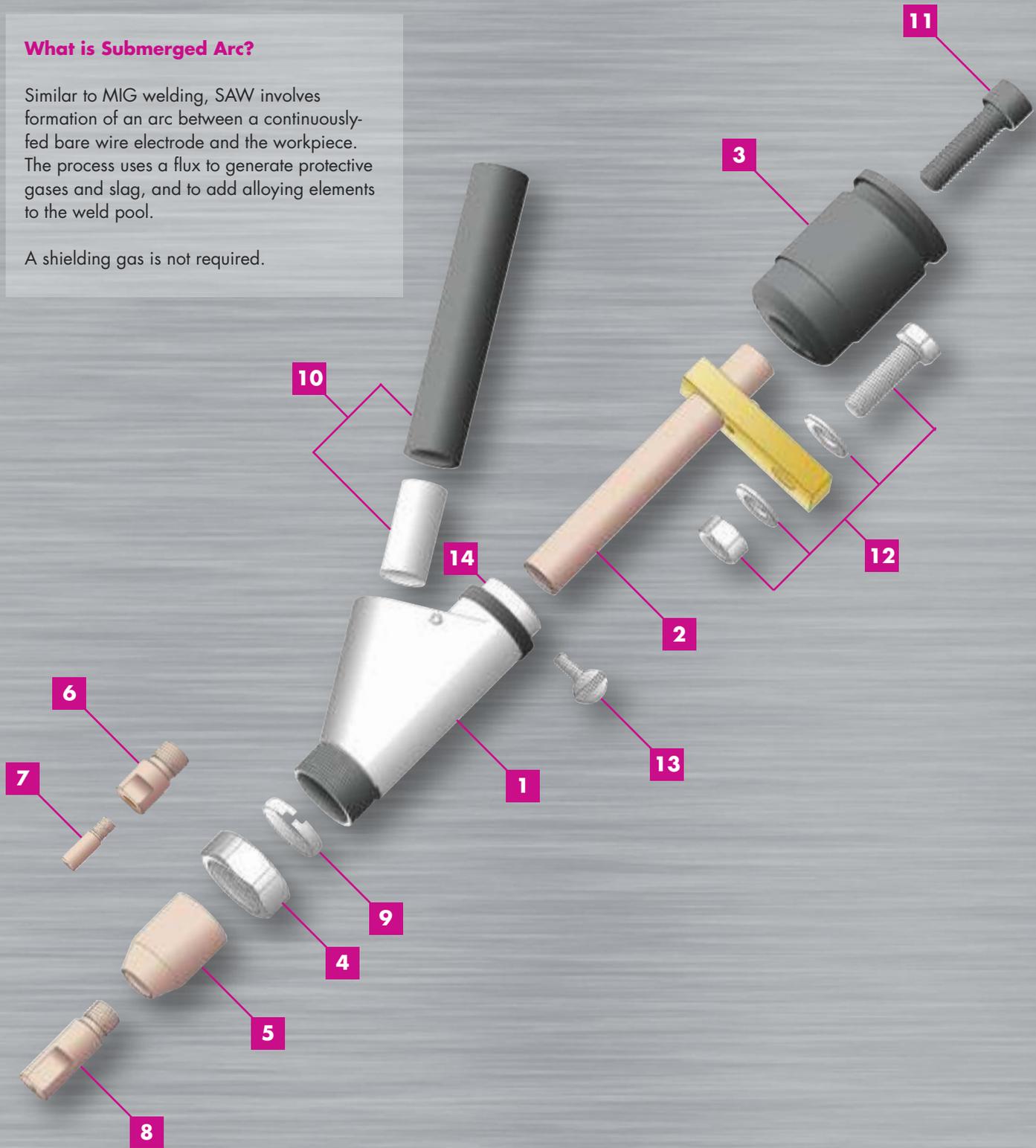
Submerged Arc

Lincoln® K231

What is Submerged Arc?

Similar to MIG welding, SAW involves formation of an arc between a continuously-fed bare wire electrode and the workpiece. The process uses a flux to generate protective gases and slag, and to add alloying elements to the weld pool.

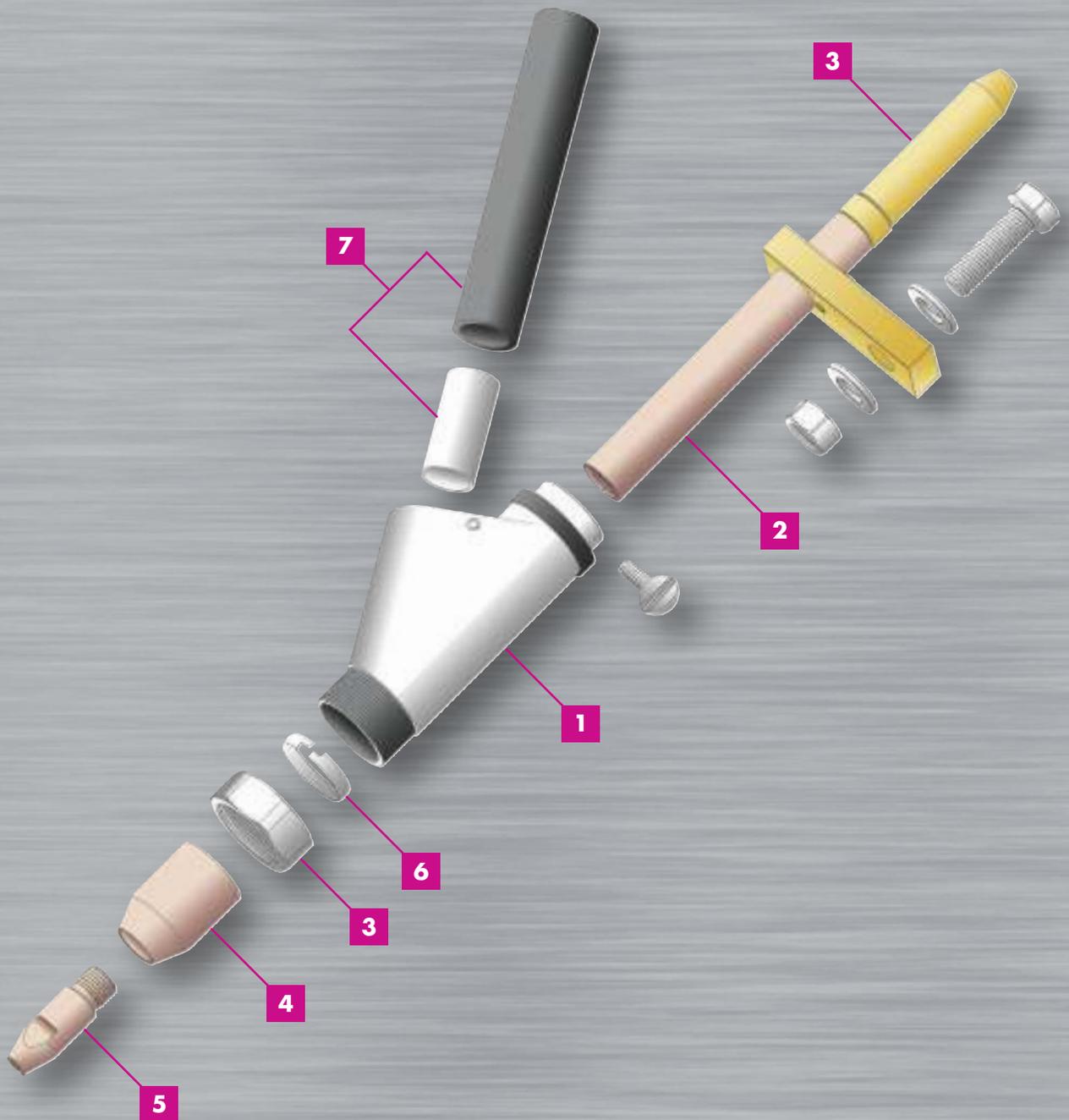
A shielding gas is not required.



No.	Description	Part No.
1	Cone Body Assembly	BINM8249
2	Nozzle Body Assembly	BINS10157
3	Nozzle Insulator	BINS10493-1
4	Retaining Nut	BINS10147
5	Flux Cone	BINKP2085-1
6	Tip Adaptor for Small Tips	BINKP1992-1
7	Small Contact Tip 2.0mm	BINKP2100-3B1
	Small Contact Tip 2.4mm	BINKP2100-4B1
8	Large Contact Tip 2.4mm	BINS10125-3/32
	Large Contact Tip 3.2mm	BINS10125-1/8

No.	Description	Part No.
9	Locking Ferrule	BINT10574
10	Flux Hose with Insulator	BINT10642-2
11	Special Socket Head Screw	BINT10570
12	Hexagon Head Screw Set	BINCF000052
13	Thumb Screw	BINT9078-1
14	Cone Body Plug	BINS10138

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No.	Description	Part No.
1	Cone Body Assembly	BIN192693
2	Nozzle Body Assembly	BIN192692
3	Retaining Nut	BIN192697
4	Flux Cone	BIN192696
5	Contact Tip 2.0mm	BIN192701
	Contact Tip 2.4mm	BIN192702
	Contact Tip 2.8mm	BIN192703
	Contact Tip 3.2mm	BIN192704
	Contact Tip 4.0mm	BIN192705
	Contact Tip 4.8mm	BIN192706

No.	Description	Part No.
6	Locking Ferrule	BIN192695
7	Flux Hose with Insulator	BIN192694

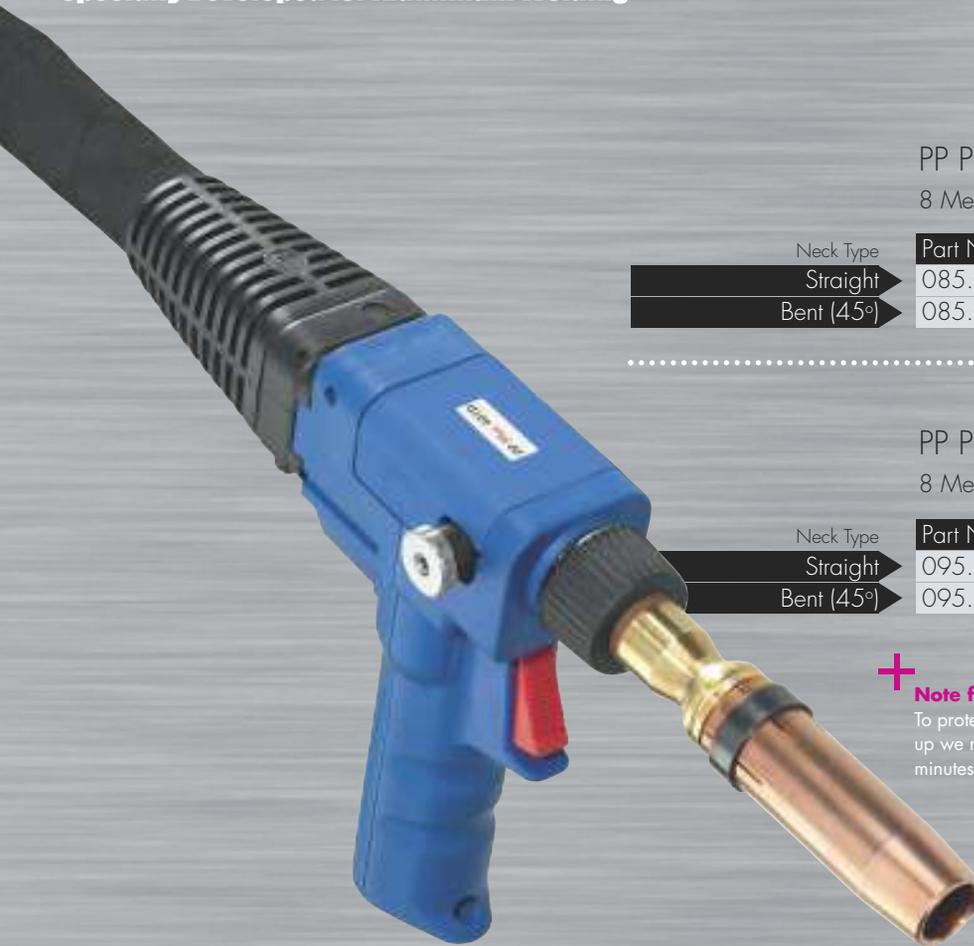
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Push-Pull Plus

Specially Developed for Aluminium Welding

Technical Data

(EN 60 974-7)



PP Plus 36 KD
8 Metre Torch (40V motor)

Neck Type	Part No.
Straight	085.0104.1
Bent (45°)	085.0105.1

- Air Cooled**
- 270 Amp**
- 60%**
- 0.8-1.2mm**

PP Plus 401 D
8 Metre Torch (40V Motor)

Neck Type	Part No.
Straight	095.0100.1
Bent (45°)	095.0101.1

- Liquid Cooled**
- 350 Amp**
- 100%**
- 0.8-1.2mm**

+ Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

+ **Push-Pull Plus** torches use standard 'MB' consumables For tips, tip adaptors & nozzles see page 14,15 & 16.

Push-Pull Plus - trouble free wire feeding ..

The welding torches of the Push-Pull Plus series, specially developed for aluminium welding requirements and the use of thin wires, makes problem-free and consistent wire feed and constant wire feed possible, even with longer cable assemblies.

A powerful, sturdy pull motor with potentiometer guarantees exact speed regulation. For an optimum wire feed without frictional loss, the contact pressure of the feeding rollers can be regulated precisely and easily directly on the handle. The ergonomic handle ensures optimum, low-fatigue handling.

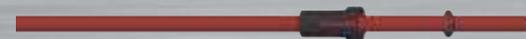
- Identical motor characteristics as standard Push-Pull.
- Consistent and problem-free wire feeding thanks to a powerful pull motor.
- Precise contact pressure regulation of the wire feeding rollers directly on the torch.
- Available with optional potentiometer for speed regulation.
- Wearing parts are identical to those of the tried- and-trusted MB torch series – minimised stocking.
- Optimum torch cooling – long tool lives.
- Sturdy design – long service life.

Push-Pull Liners



Plain Steel

Colour	Diameter Ø	8 Metre
	0.6 - 0.8 mm	122.0010
	1.0 - 1.2 mm	122.0040



PTFE

Colour	Diameter Ø	8 Metre
	0.6 - 0.8 mm	126.0013
	1.0 - 1.2 mm	126.0030



Carbon PTFE

Colour	Diameter Ø	8 Metre
	1.0 - 1.2 mm	127.0009



Polyamide (PA)

Colour	Diameter Ø	8 Metre
	1.0 - 1.2 mm	128.0019 ●

● Included in the standard equipment fitted to complete torches.



Replacement lens with **Sensitivity Control**



Variable shade control with **Grinding Mode**



Adjustable head band



Auto Darkening
Welding Helmet

Optical Class	1 / 2 / 1 / 2
Viewing Area	98 x 44mm (3.86" x 1.73")
Cartridge Size	110 x 90 x 9mm (4.33" x 3.54" x 0.35")
Arc Sensor	2
Light State	DIN 3.5
Dark State	DIN 9 - 13
Shade Control	External, Variable Shade
Power On/Off	Fully Automatic
Sensitivity Control	Low - High, by switch button
UV / IR Protection	Up to Shade BIN 16 at all times
Power Supply	Solar Cell. No battery change required
Switching Time	1 / 10,000s. from Light to Dark
Delay (Dark to Light)	0.25 ~ 0.30s at <fast> position 0.65 ~ 0.80s at <slow> position
Low Amperage TIG Rated	>10 amps / DC; > 10 amps / AC
Grinding Mode	Yes
Operating Temp	-10°C ~ +55°C (14°F ~ 131°F)
Storing Temp	-20°C ~ +70°C (-4°F ~ 158°F)
Helmet Material	High Impact Resistance Nylon
Total Weight	435g
Application Range	MIG; MAG/CO2; SMAW; Air Carbon Cutting TIG; PLASMA Arc Welding / Cutting; Grinding Not for Laser Welding or Oxyacetylene Welding/Cutting
Approved	GS, DIN-Geprüft, CE, CSA Z94.3, ANSI Z87.1

	Part No.
Welding Helmet	515.0009.1
Outer Cover Lens	519.0012.10
Inner Cover Lens	519.0014.5



Cooling Unit CR 1000

Light-weight & user-friendly.



For a "cool" welding process.

- High cooling performance in a compact design is ideal for mobile use.
- International quick connectors for easy, time-saving installation.
- Integrated flow switch for the permanent monitoring of the complete cooling system for protection of the welding torch and the cooling unit - connection set included in delivery.
- Exposed tank with coolant level indicator for convenient filling and draining of the coolant.
- Overheat protection for pump and motor - for a long life.
- Low-weight and sturdy carrying handles for easy transport to the job location.
- Splash-proof fuse, main switch and louvers.

Connector for the integrated flow switch.

Quick connector NW 5 (supply)

Quick connector NW 5 (return)

Coolant tank (6.0 litres)

Coolant drain cap



Main switch & fuse
(splash-proof)

CR 1000
Water Cooler

Voltage	Part No.
115V	850.1002.1
240V	850.1001.1

Coolant level (min./max.)

Water Test Unit



This unit can be used for testing the following...

- Temperature & pressure of cooling liquid in the cooler circuit.
- Temperature & pressure of cooling liquid in the torch circuit.
- Coolant flow rate.
- Function point of flow guard (when installed).

Water Test Unit

Includes 2 x 3 metre hose kits.

Part No.
EKD.D001

Part Number



Type	CR 1000	CR 1250
Heat exchanger	2-row	3-row
Supply voltage	115/230 VAC / 50/60Hz	115/230 VAC / 50/60Hz
Pump 50/60 Hz	Flow rate Q_{max} 7 l/min Delivery height H_{max} 35 m	Flow rate Q_{max} 7 l/min Delivery height H_{max} 35 m
Pump pressure	3.5 bar	3.5 bar
Cooling capacity	1000 W with H ₂ O 750 W with BTC-15	1250 W with H ₂ O 1050 W with BTC-15
Noise level at 1 m distance	67 dB (A)	67 dB (A)
Weight	14.9 kg	16.7 kg
Dimensions L / W / H	490 / 250 / 410 mm	690 / 250 / 340 mm
Tank capacity	6.0 litres	6.0 litres
Water connection	NW 5 (quick connector)	Nw 5 (quick connector)



Connector for the integrated flow switch.

Quick connector NW 5 (supply)

Quick connector NW 5 (return)

Coolant tank (6.0 litres)

Coolant drain cap

CR 1250
Water Cooler

Voltage	Part No.
115V	850.1052.1
240V	850.1051.1

Coolant level (min./max.)

Main switch & fuse
(splash-proof)



We recommend you use **BTC Water Coolant** in our CR & WK Water Coolers. Visit page 46.

WK23
Water Cooler

Voltage	Part No.
115V	850.0214
240V	850.0137

WK43
Water Cooler

Voltage	Part No.
115V	850.0215
240V	850.0159

WK23/43 Water Coolers



RAB GRIP Air & Liquid Cooled Fume Extraction Torches



Fume Extraction at source - for optimum protection.

Every welding job generates fumes & smoke that could be hazardous if inhaled. The RAB GRIP Fume Extraction Torches offer efficient fume extraction directly at its source without affecting the protective gas shield. Special design solutions guarantee highly efficient smoke removal

Features & benefits.

- Ergonomic handle with variable feed air slide (on top or below) and optional remote control module (up/down) - for optimum handling.
- Excellent extraction efficiency up to > 95%
- Considerable weight reduction of air-cooled torches due to the innovative ABICOR BINZEL **lightweight** BIKOX®.
- Optimum dimension of extraction hoses for all types - lightweight cable assemblies with swivel joint, optimum flexibility.
- Direct extraction at the arc - ensures protection of the respiratory system.



Up/Down
Control module



Air slide
Top of the handle.



Up to 550 A



RAB GRIP
Fume Extraction Torches

Torch Type	3 Metre	4 Metre	5 Metre
RAB 'GRIP' 15 AK	-	602.3015.1	602.3016.1
RAB 'GRIP' 25 AK	604.3013.1	604.3014.1	604.3015.1
RAB 'GRIP' 25 AK HD	604.3016.1	604.3017.1	604.3018.1
RAB 'GRIP' 255	-	604.0115.1	604.0116.1
RAB 'GRIP' 36 KD	614.3015.1	614.3016.1	614.3017.1
RAB 'GRIP' 355	-	614.0092.1	614.0093.1
RAB 'GRIP' 501 D	634.3037.1	634.3038.1	634.3039.1

Mobile, powerful & easy to handle!

The fume extraction unit FES-200 in combination with fume extraction torches provides the best possible welding fume extraction directly at the source.

The new **W3** version is licensed for all **CrNi steels!**

Features & benefits.

- IFA certified W3 approval (FES-200^{W3}).
- Compact design, weighs approx 23kg.
- Automatic Start/Stop function included in basic equipment.
- Integrated manual filter cleaning system for longer uses.
- A filter contamination meter; only clean when necessary.
- Acoustic signal if cleaning is required (FES-200^{W3} model only)



Without
Fume Extraction



With
Fume Extraction



Changing the filter cartridge



Request a copy of our 'Room to breathe' leaflet for special fume package prices.

W3 certification

The **FES-200^{W3}** was developed specifically to meet the demands of chrome and nickel material joining, and is certified by the Institute of Work Safety with the **W3 license for all welding applications** or related procedures with emissions suitable to KMR / 1.2 material². Thus, this device enables the filtering of the exhausts, and work to be conducted without these otherwise harmful effects.



TIG Torches / Heads

BIN 9

Air Cooled 125 Amp 60% 0.5mm - 2.4mm

Zipper cover
available on request.



Fitted with a **CROUZET®**
switch as standard.

BIN 9
Torch Heads

Type	Torch	Part No.
Standard	9	BIN9
Flexi	9 F	BIN9FX
Flexi Valve	9 FV	BIN9FV
Pencil	9 P	BIN9P
Valve	9 V	BIN9V

BIN 9
Standard Torches

Type	Torch	12.5 ft	25 ft
Standard	9	BIN9-12	BIN9-25
Flexi	9 F	BIN9F-12	BIN9F-25
Pencil	9 P	BIN9P-12	BIN9P-25
Valve	9 V	BIN9V-12	BIN9V-25

BIN 9
Switch & Rubber Covered Torches

Type	Torch	12.5 ft	25 ft
		BIN9-12SC	BIN9-25SC
		BIN9F-12SC	BIN9F-25SC
		-	-
		BIN9V-12SC	BIN9V-25SC

BIN 20

Liquid Cooled 250 Amp 100% 0.5mm - 3.2mm

Zipper cover
available on request.



Fitted with a **CROUZET®**
switch as standard.

BIN 20
Torch Heads

Type	Torch	Part No.
Standard	20	BIN20
Flexi	20 F	BIN20F

BIN 20
Standard Torches

Type	Torch	12.5 ft	25 ft
Standard	20	BIN20-12	BIN20-25
Flexi	20 F	BIN20F-12	BIN20F-25

BIN 20
Switch & Rubber Covered Torches

Type	Torch	12.5 ft	25 ft
		BIN20-12SC	BIN20-25SC
		BIN20F-12SC	BIN20F-25SC



E3® Purple Tungsten.

- Longer lasting.
- Non-Radioactive.
- Cooler running than Thoriated.
- Suitable for most DC applications.
- Superior repeatable ignition characteristics.



EXCLUSIVELY available from **BINZEL.**

More information and prices available on **pages 40 & 41.**



Insulator
Pack Size = 10



Collet
Pack Size = 10



Collet Body
Pack Size = 10



Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size
0.5 mm	No. 4
1.0 mm	No. 5
1.6 mm	No. 6
2.4 mm	No. 7
3.2 mm	No. 8

Part No.
BIN598882

Part No.
BIN13N20
BIN13N21
BIN13N22
BIN13N23
BIN13N24

Part No.
-
BIN13N26
BIN13N27
BIN13N28
BIN13N29

Part No.
BIN13N08
BIN13N09
BIN13N10
BIN13N11
BIN13N12

Why use a Gas Lens setup?

A **Gas Lens** setup is required for use in high quality integrity welding applications where a superior/precise gas coverage is necessary & an extended tungsten stick-out is required.



Insulator
Pack Size = 10



Collet
Pack Size = 10



Gas Lens
Pack Size = 5



Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size
0.5 mm	No. 4
1.0 mm	No. 5
1.6 mm	No. 6
2.4 mm	No. 7
3.2 mm	No. 8

Part No.
BIN598882

Part No.
BIN13N20
BIN13N21
BIN13N22
BIN13N23
BIN13N24

Part No.
-
BIN45V42
BIN45V43
BIN45V44
BIN45V45

Part No.
BIN53N58
BIN53N59
BIN53N60
BIN53N61
-

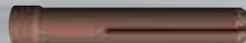
Small Gas Lens Setup

Why use a Gas Lens setup?

A **Gas Lens** setup is required for use in high quality integrity welding applications where a superior/precise gas coverage is necessary & an extended tungsten stick-out is required.



Insulator
Pack Size = 10



Collet
Pack Size = 10



Gas Lens
Pack Size = 2



Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size
0.5 mm	No. 4
1.0 mm	No. 5
1.6 mm	No. 6
2.4 mm	No. 7
3.2 mm	No. 8
-	No. 10
-	No. 12

Part No.
BIN54N63-20

Part No.
-
BIN13N21L
BIN13N22L
BIN13N23L
BIN13N24L
-
-

Part No.
-
-
BIN45V116S
BIN45V64S
-
-
-

Part No.
-
-
BIN57N75
-
BIN57N74
BIN53N88
BIN53N87

Large Gas Lens Setup

TIG Torches / Heads

BIN 17

Air Cooled 150 Amp 60% 0.5mm - 2.4mm

Zipper cover
available on request.



BIN 17
Standard Torches



Fitted with a **CROUZET®**
switch as standard.

Type	Torch	12.5 ft
Standard	17	BIN17-12
Flexi	17 F	BIN17F-12
Flexi Valve	17 FV	BIN17FV-12
Valve	17 V	BIN17V-12

Type	Torch	25 ft
Standard	17	BIN17-25
Flexi	17 F	BIN17F-25
Flexi Valve	17 FV	BIN17FV-25
Valve	17 V	BIN17V-25

Type	Torch	Part No.
Standard	17	BIN17
Flexi	17 F	BIN17FX
Flexi Valve	17 FV	BIN17FV
Valve	17 V	BIN17V

BIN 17
Torch Heads

BIN 17
Switch & Rubber Covered Torches

Type	Torch	12.5 ft
Standard	17	BIN17-12SC
Flexi	17 F	BIN17F-12SC
Flexi Valve	17 FV	BIN17FV-12SC
Valve	17 V	BIN17V-12SC

Type	Torch	25 ft
Standard	17	BIN17-25SC
Flexi	17 F	BIN17F-25SC
Flexi Valve	17 FV	BIN17FV-25SC
Valve	17 V	BIN17V-25SC

BIN 18

Liquid Cooled 350 Amp 100% 0.5mm - 4.0mm

Zipper cover
available on request.



BIN 18
Standard Torches



Fitted with a **CROUZET®**
switch as standard.

Type	Torch	12.5 ft
Standard	18	BIN18-12
Flexi	18 F	BIN18F-12

Type	Torch	25 ft
Standard	18	BIN18-25
Flexi	18 F	BIN18F-25

Type	Torch	Part No.
Standard	18	BIN18
Flexi	18 F	BIN18F
Pencil	18 P	BIN18P

BIN 18
Torch Heads

BIN 18
Switch & Covered Torches

Type	Torch	12.5 ft
Standard	18	BIN18-12SC
Flexi	18 F	BIN18F-12SC

Type	Torch	25 ft
Standard	18	BIN18-25SC
Flexi	18 F	BIN18F-25SC

BIN 26

Air Cooled 200 Amp 60% 0.5mm - 2.4mm

Zipper cover
available on request.



BIN 26
Standard Torches



Fitted with a **CROUZET®**
switch as standard.

Type	Torch	12.5 ft
Standard	26	BIN26-12
Flexi	26 F	BIN26F-12
Flexi Valve	26 FV	BIN26FV-12
Valve	26 V	BIN26V-12

Type	Torch	25 ft
Standard	26	BIN26-25
Flexi	26 F	BIN26F-25
Flexi Valve	26 FV	BIN26FV-25
Valve	26 V	BIN26V-25

Type	Torch	Part No.
Standard	26	BIN26
Flexi	26 F	BIN26FX
Flexi Valve	26 FV	BIN26FV
Valve	26 V	BIN26V

BIN 26
Torch Heads

BIN 26
Switch & Rubber Covered Torches

Type	Torch	12.5 ft
Standard	26	BIN26-12SC
Flexi	26 F	BIN26F-12SC
Flexi Valve	26 FV	BIN26FV-12SC
Valve	26 V	BIN26V-12SC

Type	Torch	25 ft
Standard	26	BIN26-25SC
Flexi	26 F	BIN26F-25SC
Flexi Valve	26 FV	BIN26FV-25SC
Valve	26 V	BIN26V-25SC

TIG Consumables

Standard Setup



Insulator
Pack Size = 10

Collet
Pack Size = 10

Collet Body
Pack Size = 10

Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size	Part No.	Part No.	Part No.	Part No.
0.5 mm	No. 4	BIN18CG	BIN10N21	-	BIN10N50
1.0 mm	No. 5		BIN10N22	BIN10N30	BIN10N49
1.6 mm	No. 6		BIN10N23	BIN10N31	BIN10N48
2.4 mm	No. 7		BIN10N24	BIN10N32	BIN10N47
3.2 mm	No. 8		BIN10N25	BIN10N28	BIN10N46

Small Collet Body Setup



Insulator
Pack Size = 10

Collet
Pack Size = 10

Collet Body
Pack Size = 10

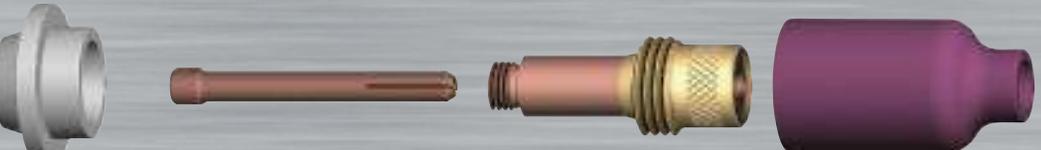
Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size	Part No.	Part No.	Part No.	Part No.
0.5 mm	No. 4	BIN18CG20	BIN10N21S	BIN17CB20	BIN13N08
1.0 mm	No. 5		BIN10N22S		BIN13N09
1.6 mm	No. 6		BIN10N23S		BIN13N10
2.4 mm	No. 7		BIN10N24S		BIN13N11
3.2 mm	No. 8		BIN10N25S		BIN13N12

Why use a Gas Lens setup?

A **Gas Lens** setup is required for use in high quality integrity welding applications where a superior/precise gas coverage is necessary & an extended tungsten stick-out is required.

Medium Gas Lens Setup



Insulator
Pack Size = 10

Collet
Pack Size = 10

Gas Lens
Pack Size = 2

Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size	Part No.	Part No.	Part No.	Part No.
0.5 mm	No. 4	BIN54N01	BIN10N21	-	BIN54N18
1.0 mm	No. 5		BIN10N22	BIN45V24	BIN54N17
1.6 mm	No. 6		BIN10N23	BIN45V25	BIN54N16
2.4 mm	No. 7		BIN10N24	BIN45V26	BIN54N15
3.2 mm	No. 8		BIN10N25	BIN45V27	BIN54N14

Why use a Gas Lens setup?

A **Gas Lens** setup is required for use in high quality integrity welding applications where a superior/precise gas coverage is necessary & an extended tungsten stick-out is required.

Large Gas Lens Setup



Insulator
Pack Size = 10

Collet
Pack Size = 10

Gas Lens
Pack Size = 2

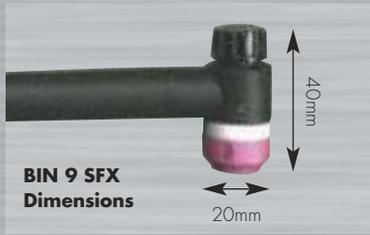
Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size	Part No.	Part No.	Part No.	Part No.
0.5 mm	No. 4	BIN54N63	BIN10N21	-	-
1.0 mm	No. 5		BIN10N22	-	-
1.6 mm	No. 6		BIN10N23	BIN45V116	BIN57N75
2.4 mm	No. 7		BIN10N24	BIN45V64	-
3.2 mm	No. 8		BIN10N25	BIN995795	BIN57N74

Tight Access TIG Torch & Consumables

BIN 9 SFX

Air Cooled 125 Amp 60% 0.5mm - 2.4mm



Zipper cover available on request.



BIN 9 SFX Torch Head

Type	Angle
Long Flexi	90°

Part No.
BIN9SFX

BIN 9 SFX Standard Torches

Type	Torch	12.5 ft	25 ft
Long Flexi	9 SFX	BIN9SF-12	BIN9SF-25

12.5 ft	25 ft
BIN9SF-12SC	BIN9SF-25SC

BIN 9 SFX Switch & Rubber Covered Torches

12.5 ft	25 ft
BIN9SF-12SC	BIN9SF-25SC

25 ft
BIN9SF-25SC

BIN 20 SFX

Liquid Cooled 250 Amp 100% 0.5mm - 3.2mm



Zipper cover available on request.



BIN 20 SFX Torch Head

Type	Angle
Long Flexi	70°

Part No.
BIN20SFX

BIN 20 SFX Standard Torches

Type	Torch	12.5 ft	25 ft
Long Flexi	20 SFX	BIN20SF12	BIN20SF-25

12.5 ft	25 ft
BIN20SF-12SC	BIN20SF-25SC

BIN 20 SFX Switch & Rubber Covered Torches

12.5 ft	25 ft
BIN20SF-12SC	BIN20SF-25SC

25 ft
BIN20SF-25SC

9/20 Short Consumables



Insulator
Pack Size = 5



Collet
Pack Size = 10



Gas Lens
Pack Size = 5



Ceramic
Pack Size = 10

Electrode Ø	Nozzle Size	Part No.
1.0 mm	No. 5	712.7121.5
1.6 mm	No. 6	
2.4 mm	No. 7	
3.2 mm	No. 8	

Part No.
712.7122.10
712.7123.10
712.7124.10
712.7126.10

Part No.
712.7127.5
712.7128.5
712.7129.5
712.7130.5

Part No.
712.7131.10
712.7132.10
-
-

Modular TIG Torch

150M

Air Cooled Up to 150 Amp 60% 0.5mm - 2.4mm



Standard Torches

Switch & Covered Torches

Type	Torch	12.5 ft	25 ft	12.5 ft	25 ft
Standard	150M	BIN150M-12	BIN150M-25	BIN150M-12SC	BIN150M-25SC

Torch Package Includes: Torch Body/Flex Element/Solid Element/Power Cable/Handle/9-70M Head/1726M Head/Wrench

No.	Amp	Deg	Part No.	No.	Type	Part No.
1	150A	70°	BIN1726M	8	Flexi Element	BIN150CEM
2	150A	180°	BIN1726PM	9	Solid Element	BIN150SE
3	125A	90°	BIN9-90M	10	Torch Body	BIN150TBM
4	125A	70°	BIN9-70M	11	Torch Assembly	BIN150M
5	80A	90°	BIN24-90M	12	Handle	BIN10N15
6	80A	70°	BIN24M	13	Wrench	BIN200WM
7	125A	180°	BIN9PM			

Air Cooled Up to 200 Amp 60% 0.5mm - 3.2mm

200M



Standard Torches

Switch & Covered Torches

Type	Torch	12.5 ft	25 ft	12.5 ft	25 ft
Standard	200M	BIN200M-12	BIN200M-25	BIN200M-12SC	BIN200M-25SC

Torch Package Includes: Torch Body/Flex Element/Solid Element/Power Cable/Handle/9-70M Head/1726M Head/Wrench

No.	Amp	Deg	Part No.	No.	Type	Part No.
1	150A	70°	BIN1726M	8	Flexi Element	BIN200CE
2	150A	180°	BIN1726PM	9	Solid Element	BIN200SE
3	125A	90°	BIN9-90M	10	Torch Body	BIN200TBM
4	125A	70°	BIN9-70M	11	Torch Assembly	BIN200M
5	80A	90°	BIN24-90M	12	Handle	BIN10N15
6	80A	70°	BIN24M	13	Wrench	BIN200WM
7	125A	180°	BIN9PM			

For **consumables** to suit 9,17/26 heads see pages 31 & 33. For **spare parts** to suit 9,17/26 torches see pages 36 & 37
For consumables & spare parts to suit 24 heads/torches, contact the office.

TIG Spare Parts

Power Cables



BIN 9/17

Length	Part No.
12.5 ft	BIN57Y01-R
25 ft	BIN57Y03-R



BIN 18

Length	Part No.
12.5 ft	BIN40V64-R
25 ft	BIN41V29-R



BIN 20

Length	Part No.
12.5 ft	BIN45V03-R
25 ft	BIN45V04-R



BIN 26

Length	Part No.
12.5 ft	BIN46V28-R
25 ft	BIN46V30-R

Gas Hose



BIN 18

Length	Part No.
12.5 ft	BIN40V75-R
25 ft	BIN41V30-R



BIN 20

Length	Part No.
12.5 ft	BIN45V09-R
25 ft	BIN45V10-R

Water Hose



BIN 18

Length	Part No.
12.5 ft	BIN40V74-R
25 ft	BIN41V32-R



BIN 20

Length	Part No.
12.5 ft	BIN45V07-R
25 ft	BIN45V08-R

Switch & Leads



Switches

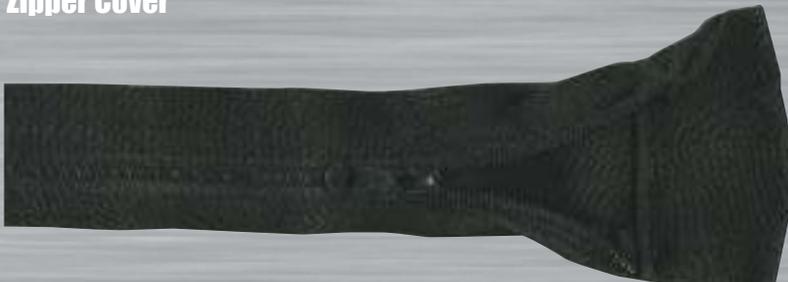
Type	Part No.
Bulb	BIN950
CROUZET® Bulb	BIN950.CR
Flat	BIN950F



Switch & Leads

Switch Type	12.5 ft	25 ft
Standard Bulb	BINSW1-12	BINSW1-25
CROUZET® Bulb	BINSW1-12.CR	BINSW1-25.CR

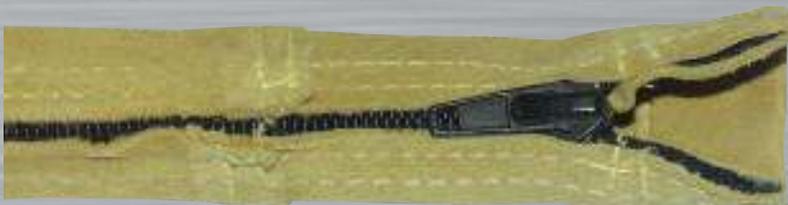
Zipper Cover



Zipper Cover

Length	Part No.
10 ft	BINCC-4-10
22 ft	BINCC-4-22

Leather Zipper Cover

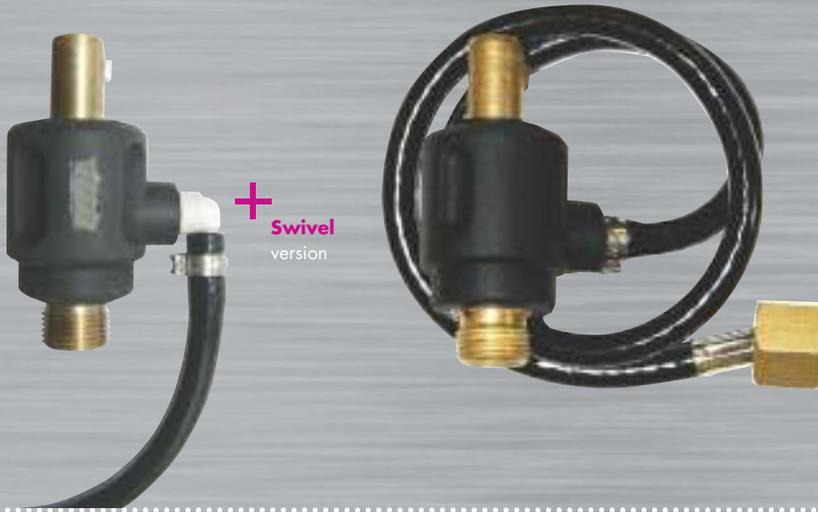


Leather Zipper Cover

Diameter	Length	Part No.
22mm	3m / 10ft	BIN44-3010Z
22mm	6.7m / 22ft	BIN44-3022Z

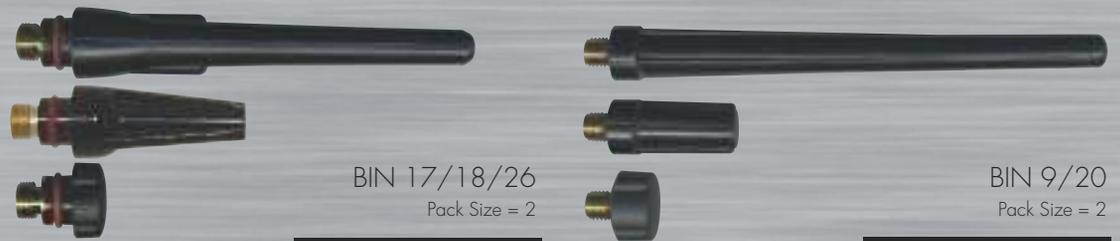
TIG Spare Parts

Power Adaptor



Connection	Size	Part No.
3/8 Gas	10-25	BIN1025-1-1
3/8 Gas	35-50	BIN3550-1-1
3/8 Gas - Swivel	35-50	BIN3550-1-1S
Quick Connector	35-50	BIN3550-QD

Back Caps



BIN 17/18/26
Pack Size = 2

Size	Part No.
Short	BIN57Y04
Medium	BIN300M
Long	BIN57Y02
O-Ring	BIN98W18

BIN 9/20
Pack Size = 2

Size	Part No.
Short	BIN41V33
Medium	BIN41V35
Long	BIN41V24
O-Ring	BIN98W77

Handles



Standard

Torch	Part No.
9/17	BINH-100
18/26	BINH-200
20	BIN53N06

Ribbed

Torch	Part No.
9/17	BINH-100R
18/26	BINH-200R

Switch Boot



Rubber

Torch	Part No.
BIN 9/17/20	BINBS-1
BIN 18/26	BINBL-1

Snap-On

Torch	Part No.
BIN 9/17/20	BINBS-1S
BIN 18/26	BINBL-1S

Plug and weld!
ABIPLUG – the
reliable connection.

The new range of **ABIPLUG** welding cable connectors from ABICOR BINZEL – designed for safe and effective current transfer in arc welding technology – guarantees maximum operating safety for the equipment and the user. Available as either panel socket / cable plug combination or as panel plug / cable socket combination.



The advantages:

- Safe and quick connection – highest twist resistance due to the revolutionary “square end-block-system” by ABICOR BINZEL.
- High flash-over resistance – for maximum machine protection.
- Easy mounting, optimal connection and excellent power transmission.
- Compatible with all commercially available makes – can be built out of metal or plastic panels.
- Corresponds to EN-standard EN 60 974-12 – the new EN-standard.

Type	Current (Amps)	Cable (mm ²)
10-25	125	>10
10-25	150	10-16
10-25	200	16-25
35-50	250	25-35
35-50	300	35-50
50-70	400	50-70
70-95	500	70-95



Panel Sockets
 Pack Size = Ea

No.	Size	Part No.
1	10-25	511.0304
2	35-50	511.0314
3	50-70	511.0330
4	70-95	511.0309

Cable Plugs
 Pack Size = Ea

No.	Size	Part No.
5	10-25	511.0305
6	35-50	511.0315
7	50-70	511.0331
8	70-95	511.0342



Panel Plugs
 Pack Size = Ea

No.	Size	Part No.
9	10-25	511.0306
10	35-50	511.0316
11	50-70	511.0332
12	70-95	511.0320

Cable Sockets
 Pack Size = Ea

No.	Size	Part No.
13	10-25	511.0303
14	35-50	511.0313
15	50-70	511.0329
16	70-95	511.0340



TIG Control Plugs

ESAB®/Murex®

ABICOR BINZEL UK Ltd is not affiliated with ESAB® / EWM® / FRONIUS® / GYS® / KEMPPi® / LINCOLN® / MESSER® / MIGATRONIC® / MILLER® / MUREX® / NEWARC® / THERMAL ARC®

The parts shown in this catalogue are not genuine brand name parts and are manufactured for ABICOR BINZEL UK Ltd. References to the named brands, machines or part numbers are for convenience only.



Machine
2 Pin Amphenol Plug

Part No.
175.0067



Kemppi®



Machine
4 Pin Amphenol Plug

Part No.
175.0006



Lincoln®



Specification
6 Pin Amphenol Plug

Part No.
175GB023



Miller®



Specification
14 Pin Amphenol Plug

Part No.
175.0129



Migatronic®



Specification
6 Pin Harting Plug

Part No.
175.0013



Thermal Arc®



Specification
8 Pin Plug

Part No.
175GB020



Fronius®



Specification
9 Pin Tuchel Plug

Part No.
175.0046



Messer®/EWM®/Lincoln®



Specification
5 Pin Tuchel Plug

Part No.
175.0011



Migatronic®



Specification
7 Pin Migatronic Plug

Part No.
175.0155



GYS®/Newarc®



Specification
3 Pin Plug

Part No.
175GB007



Kemppi®



Specification
7 Pin Plug

Part No.
175.0382

Non-radioactive alternative to thoriated tungsten electrodes ...

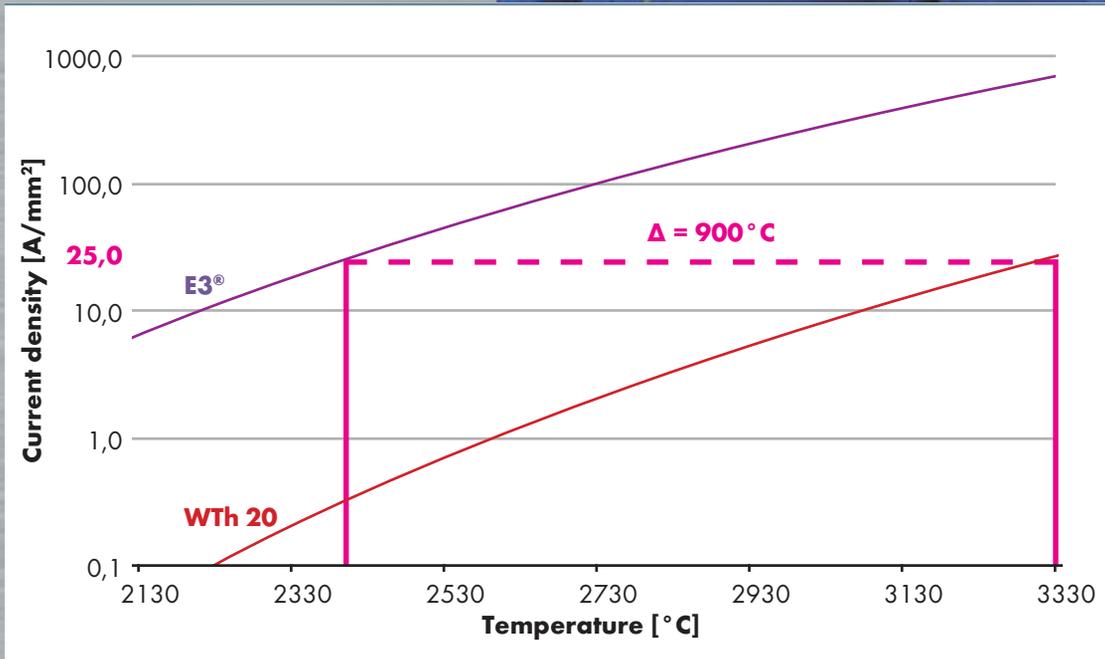
Features & benefits ...

The advantages of E3® are self-evident:

- Electrode tip remains "cooler" than thoriated
- Superior repeatable ignition characteristics
- Increased arc stability
- Reduced burn off
- Higher current carrying capacity
- Lower degradation to the electrode tip
- Increased application flexibility



Higher electrical rating ...



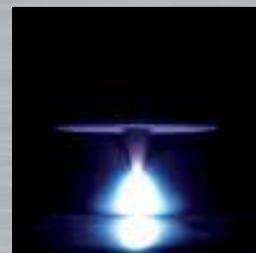
At the same current density E3® electrodes operate at approx. 900°C less than the WTh electrodes and therefore have a higher current carrying capacity.

Durability by comparison

The heat-affected zone of the electrode tip is visually reduced with E3® electrodes. Accordingly, the burn off of the E3® electrode tips is reduced and the durability increased.



E3®



WTh20

The visual appearance of the E3® electrodes after 150 ignitions show less erosion than the WTh 20 electrodes after 150 ignitions. E3® electrodes provide improved ignitions even after a longer period of use.



E3®



WTh20



+ **ABICOR BINZEL UK Ltd.** distribution prices for Tungsten Electrodes, take into account all import duties, as defined within EC regulation No. 260/2007, OJL72 UK HMRC ref AD1494).



Part Number

1.6mm	2.4mm	3.2mm	4.0mm	4.8mm
700.0297.10	700.0299.10	700.0301.10	700.0302.10	-

Technical info ...



Electrodes with rare earth (mixed oxides). In comparison to thoriated electrodes this electrode is less harmful to the environment and not radioactive. The electrodes offer excellent ignition characteristics and consistent welding properties. They are universal and suitable for all applications in the whole range of DC and AC welding for non-alloyed and high-alloyed steel, aluminium, titanium, nickel, copper and magnesium alloys. Because of their great ignition properties they are also suitable for automated welding. Due to the low electrode temperature, they offer an increased current carrying capacity and longer service life than thoriated electrodes.

Colour-coding: **WGlA 15 = Purple**

Pack size = 10

Lanthanated

1% Lanthanated



Part Number

1.6mm	2.4mm	3.2mm	4.0mm	4.8mm
700.0269	700.0271	700.0273	-	-

1.5% Lanthanated



Part Number

1.6mm	2.4mm	3.2mm	4.0mm	4.8mm
700.0278	700.0280	700.0282	700.0283	700GB008

2% Lanthanated



Part Number

1.6mm	2.4mm	3.2mm	4.0mm	4.8mm
700.0229	700.0230	700.0231	700.0288	-

Technical info ...

Lanthanated electrodes are suitable for applications in DC and AC welding. Their main areas of application are the welding of non-alloyed and high-alloyed steel, aluminium, titanium, nickel, copper and magnesium alloys. These electrodes are also suitable for the use in micro-plasma welding. Ignition characteristics are enhanced with increased amounts of lanthanum oxide (La₂O₃). The overall service life and current carrying capacity is lower than the E3® electrodes.

Colour-coding: **WLa10 = Black / Wa15 = Gold / WLa20 = Blue**

Pack size = 10

2% Ceriated



Part Number

1.6mm	2.4mm	3.2mm	4.0mm	4.8mm
700.0176	700.0175	700.0177	700.0266	700GB012

Technical info ...

By adding cerium oxide (CeO₂), these electrodes have an increased capacity compared to pure tungsten electrodes, however the WCe electrodes have a lower capacity than the E3® and WL electrodes. Main areas of application are in the DC and AC welding of non-alloyed and high-alloyed steel, aluminium, titanium, nickel, copper and magnesium alloys in the low and middle current range.

Colour-coding: **WCe20 = Grey**

Pack size = 10

0.8% Zirconiated



Part Number

1.6mm	2.4mm	3.2mm	4.0mm	4.8mm
700.0029	700.0033	700.0035	700.0293	700GB009

Technical info ...

Tungsten electrodes with the addition of zirconium have a lower risk of contaminating the weld from deposits of tungsten. The main area of application for this electrode is AC welding. They are limited in their suitability for DC welding.

Colour-coding: **WZr08 = White**

Pack size = 10

General Accessories

Gas Flow Meter

Check out our **Care & Maintenance** pages for more helpful tips and solutions. Pages 6 & 7

Use a **gas flow tester** to check what is actually being delivered to the front end of the torch.



No.	Description	Part No.
1	Gas Flow Tester	191.0003

Spanners

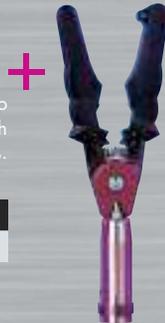


No.	Type	Part No.
2	Standard	191.0001
3	Multiple	191.0015

4-in-1 MIG Pliers



Example of how to clean a gas nozzle with the MIG pliers.



No.	Description	Part No.
4	4-in-1 MIG Pliers	193.0014

Torch Handys



A **Magnetic base** is included with either the MIG or TIG handys.



No.	Diameter	Part No.
5	TIG	193.0019
6	MIG	193.0018

General Accessories

Power Lug

No.	Part No.
7 Power Lug	501.0280



Insulation Flanges

No.	Size	Part No.
8	ø 85mm	501.0616
9	ø 50mm	501.0588



Brass Bodies

No.	Type	Part No.
10	Gas Axial	501.0168
11	Gas Radial	501.0169

	Part No.
Spring Loaded Pins	501.2378



Guide Tubes

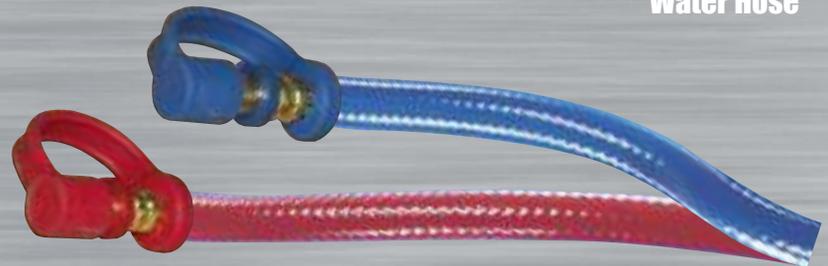
Length	Ø 1.2 mm	Ø 1.6 mm
200 mm	129.0164	129.0313
300 mm	129.0187	-
500 mm	129.0189	129.0361
1000 mm	129.0107	-



Water Hose

Colour	Coil Size	Part No.
	100 M	109.0056
	100 M	109.0057

Colour	Type	Part No.
	Fastening Cap	501.2423
	Fastening Cap	501.2424



Quick Connectors

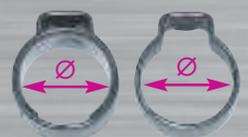
No.	Size	Female	Male
12	G 3/8	501.0189	501.0114 (To suit all female)
13	ø 6 mm	501.0204	
14	ø 8 mm	501.0190	
15	ø 10 mm	501.0195	



Hose Clamps

Diameter	Water Hose	Gas Hose
ø 7.0 mm	-	171.0001
ø 8.7 mm	173.0005	171.0002
ø 9.5 mm	173.0001	171.0003
ø 10.5 mm	173.0003	171.0004
ø 11.3 mm	173.0004	-

The hose clamp for **Water Hose** has a double insert.



ABIBLUE

Anti-Spatter-Emulsion

BLUE, NEW, EFFECTIVE!

3

ABIBLUE – the key benefits

- Ready-to-use compound
- Non-hazardous – no restrictions on transportation, storage or use.
- Colour indicator – optimal indication of moisture on workpieces.
- Suitable for welding and laser cutting tasks.
- Water washable.
- Ability to weld coated surfaces confirmed by an independent testing institute.
- Emulsion with long-term stability.
- Frost resistant.
- Readily biodegradable.

4



Water Coolant & Anti-Spatter

Water Coolant



BTC 15/20 NF.
The special coolant you can rely on!

High performance liquid cooled welding torches e.g. MB EVO PRO 501, need special coolants. The BTC range ensures optimal cooling and perfect protection for the complete cooling system.

When other coolants fail, our BTC range still continues to work.

- For all welding & cutting equipment
- Frost resistant down to -12°C (BTC-15) & -17°C (BTC-20 NF)
- Offer outstanding protection against electro corrosion with a very low conductivity.
- Non-flammable (BTC-20 NF)
- Non-hazardous - no storage or transport restrictions.



BTC-15
Water Coolant

Size	Part No.
5 Litre	192.0110
20 Litre	192.0111

BTC-20 NF
Water Coolant

Size	Part No.
5 Litre	192.0265.1
20 Litre	192.0267.1
200 Litre	192.0269.1

Anti-Spatter Paste 'Tip-Dip'



Anti-Spatter Paste
'Tip-Dip'

Size	Part No.
300g	192.0058

Protective Sprays

Ceramic Protective Spray



Visit our YouTube channel **ABICOR BINZEL** for a helpful instructional video on how to use the coating cap.



Long-lasting protection for the gas nozzle area, workpiece holder and workpiece. Silicon free. Extremely heat-resistant and abrasion-resistant.



Ceramic Protective Aerosol Spray

Size 400ml → Part No. 192.0228.1

Ceramic Coating Cap

Part No. 192.0256.10



Protec®

METALLOTION PROTEC CE15L Spray

- Protection and cleaning effect combined in one product
- Easy over-welding, no porosity, no issues with residues
- Bio Technology, silicone free
- Optimum coating results (Zinc, cathodic dip-coating, water lacquer, etc.)

PROTEC® Metallotion CE15L Aerosol (Filled)

Size 400ml → Part No. 01C.5040

PROTEC® Metallotion Hand Pump Spray (Empty)

Size 500ml → Part No. 01C.GB01

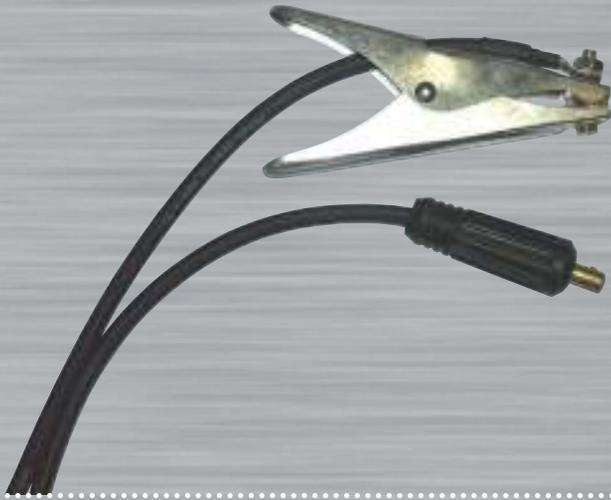
PROTEC® Fluids 10 Litres

Type	Part No.
Metallotion CE15L	01C.GB10
Visco Lotion CE15V	01C.7010
Laser Lotion LC20A	02C.8010



Earth Clamps & Lead Sets

200 Amp



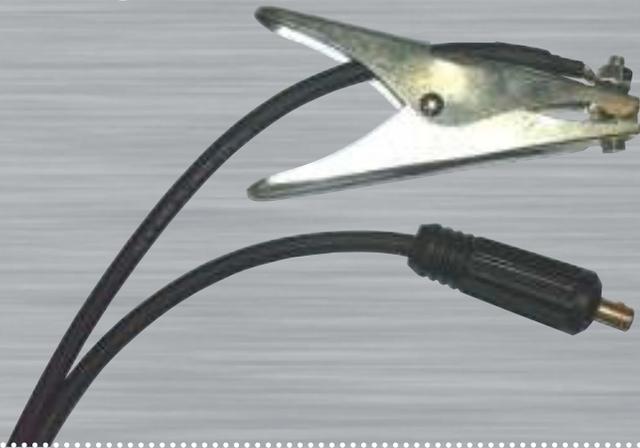
200 Amp
Crocodile Earth Clamp
Pack Size = 1

Type	Amperage	Part No.
Crocodile	200 Amp	513GB200

200 Amp
Earth Lead Sets
Pack Size = 1

Cable Size	Length	Part No.
16mm ²	3 Metre	513GB200(16)-3
16mm ²	5 Metre	513GB200(16)-5
16mm ²	10 Metre	513GB200(16)-10
25mm ²	3 Metre	513GB200(25)-3
25mm ²	5 Metre	513GB200(25)-5
25mm ²	10 Metre	513GB200(25)-10

400 Amp



400 Amp
Crocodile Earth Clamp

Type	Amperage	Part No.
Crocodile	400 Amp	513GB400

400 Amp
Earth Lead Sets

Cable Size	Length	Part No.
35mm ²	3 Metre	513GB400-3
35mm ²	5 Metre	513GB400-5
35mm ²	10 Metre	513GB400-10

600 Amp



600 Amp
Crocodile Earth Clamp

Type	Amperage	Part No.
Crocodile	600 Amp	513GB600

600 Amp
Earth Lead Sets

Cable Size	Length	Part No.
50mm ²	3 Metre	513GB600-3
50mm ²	5 Metre	513GB600-5
50mm ²	10 Metre	513GB600-10

600 Amp



600 Amp
Screw Type Earth Clamp

Type	Amperage	Part No.
Screw Type	600 Amp	513GB600S-B

600 Amp
Earth Lead Sets

Cable Size	Length	Part No.
50mm ²	3 Metre	513GBS600-3
50mm ²	5 Metre	513GBS600-5
50mm ²	10 Metre	513GBS600-10

Electrode Holders & Work Lead Sets

200 Amp

200 Amp
Electrode Holder

Colour	Amperage	Part No.
Black	200 Amp	512GB200



200 Amp
Work Lead Sets

Cable Size	Length	Part No.
16mm ²	3 Metre	512GB200(16)-3
16mm ²	5 Metre	512GB200(16)-5
16mm ²	10 Metre	512GB200(16)-10
25mm ²	3 Metre	512GB200(25)-3
25mm ²	5 Metre	512GB200(25)-5
25mm ²	10 Metre	512GB200(25)-10

400 Amp

400 Amp
Electrode Holder

Colour	Amperage	Part No.
Red	400 Amp	512GB400



400 Amp
Work Lead Sets

Cable Size	Length	Part No.
35mm ²	3 Metre	512GB400-3
35mm ²	5 Metre	512GB400-5
35mm ²	10 Metre	512GB400-10

600 Amp

600 Amp
Electrode Holder

Colour	Amperage	Part No.
Red	600 Amp	512GB600



600 Amp
Work Lead Sets

Cable Size	Length	Part No.
50mm ²	3 Metre	512GB600-3
50mm ²	5 Metre	512GB600-5
50mm ²	10 Metre	512GB600-10

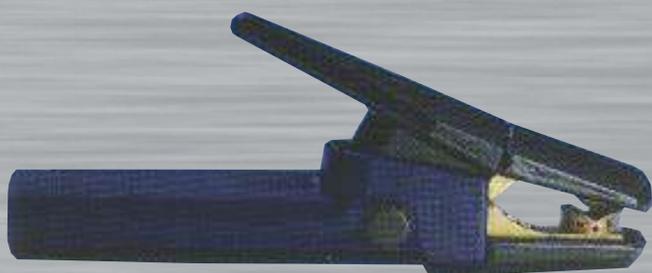
500 & 800 Amp

500 & 800 Amp
Extreme Duty Clamp

Amperage	Part No.
500 Amp	11.05.03500
800 Amp	11.05.03800



Vlamboog® Flair Torches



Gouging Torch
Pack Size = 1

Amperage	Part No.
600	06.01.80600
1600	06.01.81600

Mono Cables



Monocable
Pack Size = 1

Length	Amperage	Part No.
2.5 Metre	600	06.02.80601
2.5 Metre	1600	06.02.81601

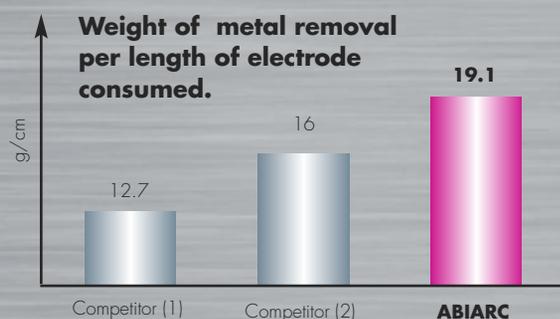
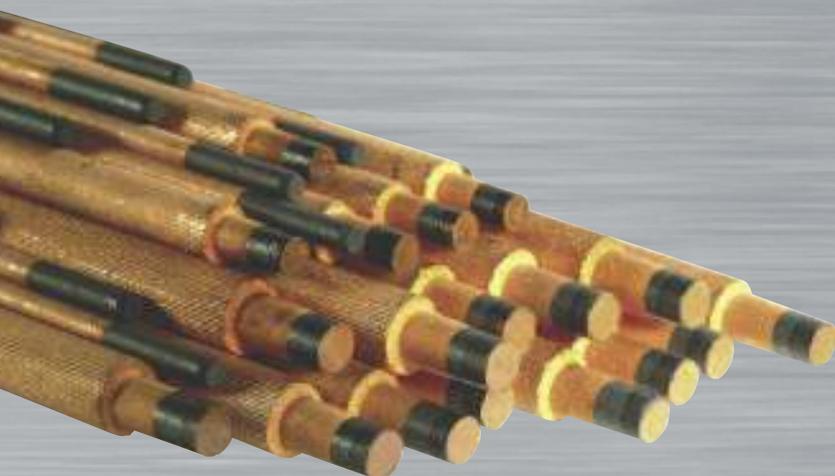
ABIARC® Carbon Electrodes

Pure efficiency.

TEAM BINZEL® gouging electrodes are made of artificial graphite and have a pure copper coating. The gouging electrodes are available in the variety of shapes and diameters to meet the needs of various applications

Special features:

- Pure copper coated – good electric conductivity.
- High density (made of artificial graphite) – high metal removal rate.
- Less consumption of electrodes – cost reduction.
- Constant quality – for a safe process.
- High metal removal rate – effective process.
- Extremely low burn back rate.



Pointed
Pack Size = 50

Length.	Size	Part No.
305mm	6.5mm	515.0017
305mm	8.0mm	515.0018
305mm	9.5mm	515.0019
355mm	13mm	515.0020

Jointed
Pack Size = 50

Length.	Size	Part No.
430mm	13mm	515.0028
430mm	16mm	515.0029
430mm	19mm	515.0030

A large rectangular area for writing, filled with horizontal dotted lines. The lines are evenly spaced and cover the majority of the page's content area.

Terms & Conditions

The buyer is advised to ensure that he has adequate insurance cover.

1. Interpretation

In these Conditions except where the context otherwise requires the following expressions have the following meanings:

"The Company" means Abicor Binzel UK Limited.

"The Buyer" means the buyer of the goods the subject of the contract to which these conditions apply.

"Goods" means and includes goods to be manufactured and/or to be supplied by the Company pursuant to the contract.

"Admix" means and includes any process in which the distinctive character or nature of the goods is lost by reason of combination with other goods or materials.

2. Terms and Conditions

(a) The Company enters into all agreements with the Buyer solely on the terms of these Conditions and no Conditions of Purchase or other Conditions whether of general application or otherwise of the purchaser shall be of any effect notwithstanding that the same, appear or purport to appear on any document sent by the Buyer to the Company.

(b) No addition to or variation of or exclusion of the Company's Conditions shall have effect unless the Company shall have assented thereto in writing such assent to be signed by not less than one Director of the Company.

(c) No representation or warranty, collateral or otherwise shall bind the Company unless such representation, warranty or statement shall be made in writing and signed by a Director of the Company and shall be stated to be made specifically in purchase of this Clause 2 (c) of these Conditions.

(d) Where there is any variance between any Conditions or purported Conditions of the Buyer and these Conditions, these Conditions shall prevail and acceptance of delivery of the Goods by the Buyer shall be and evidence acceptance of these Conditions.

3. Waiver

Any variation of waiver of these Conditions or any warranty representation or statement validly made by the Company pursuant to Clause 2 of these Conditions on any one occasion shall be binding upon the Company only for the one contract or purpose specified and shall not, unless otherwise specifically agreed in writing, affect any future contract or the applicability of these Conditions for any purpose.

4. Exclusion

For the purpose of these Conditions, the Company contracts on behalf of itself its servants and agents and insofar as any exclusion or limitation of liability or indemnity here in after appears, the same shall inure to the benefit not only of the Company but also of its servants and agents.

5. Death or Personal Injury

Where in these Conditions the Company excludes or limits its liability in respect of any loss or damage, the Company does not intend or purport thereby to exclude or limit liability for death or personal injury resulting whether wholly or (pro tan to) in part from its own negligence or that of its servants or agents and these Conditions shall take effect accordingly.

6. Prices

(a) The company's terms of payment are net cash, payment in full without any deduction or set off howsoever arising or allegedly arising to be made within the month following the month of the invoice.

(b) No discount, allowance or credit facility whatsoever will be given unless specifically agreed upon by the Company in writing signed by not less than one Director on behalf of the Company.

(c) The Company reserves the right in its absolute discretion to refuse to establish a credit facility for any Buyer, to refuse credit to any Buyer notwithstanding that a credit account may already have been established and to withdraw established credit facilities.

(d) Without prejudice to all and any other rights of the Company interest at 2% over the base rate for the time being adopted by the Company's Bank shall, at the discretion of the Company be payable by the Buyer from the due date for payment until payment is actually received by the Company in respect of all and any overdue payments.

(e) In the event of the Buyer failing to comply with the Company's terms of payment as to the whole or part of the Goods the subject matter of this contract or of any contract between the parties whether made before or after the date hereof, the Company reserves the right to discontinue forthwith the supply of any further Goods or Services.

(f) All costs incurred by the Company due to the Buyer's default in payment including but not limited to all legal expenses in prosecution of the Company's claim for the price of the goods shall be payable to the Buyer.

(g) All prices quoted by the Company are exclusive of Value Added Tax or any similar taxes, levies or duties, unless otherwise stated.

7. Delivery

(a) Any time or date stated by the Company for delivery of the Goods or part thereof is an estimate only and the Company shall not be liable in any manner whatsoever or for any loss or damage whatsoever for failure to deliver or failure to supply within such time or for any delays in delivery. For the avoidance of doubt it is hereby agreed that time is not of the essence for delivery of the Goods.

(b) The Goods shall be delivered by the Company to any address supplied in writing by the Buyer provided that from the time of the dispatch thereof from the Company's premises the risk of any loss or damage to or deterioration of the Goods howsoever arising shall be borne by the Buyer.

(c) No claim for damage or shortages will be recognised unless the Company is advised forthwith in writing and unless the Goods are weighed in bulk and not in daught loads. Upon request whether oral or in writing the Buyer shall have the Goods reweighed or re-examined by or in the presence of a servant or agent of the Company.

(d) Delivery shall be taken by the Buyer within the period (if any) named in the order and such full details as may be necessary to enable the Company to complete delivery within such period shall be supplied by the Buyer.

8. Storage

If for any reason the Buyer is unable or refuses to accept delivery of the Goods at the time when the Goods are due and ready for delivery the Company may, in its absolute discretion and without prejudice to all and any its other remedies hereunder, store the Goods until their actual delivery or the Company's acceptance of the Buyer's repudiation and the Buyer shall be liable to the seller for the reasonable costs (including any insurance which the company may in its absolute discretion obtain) of it so doing.

This provision shall be in addition to not in substitution of any other payment or damages for which the Buyer may become liable in respect of its failure to take delivery on the appropriate date.

9. Cancellation

- (a) Without prejudice to all other rights of the Company cancellation of an order by the Buyer after commencement of work on or the manufacture of the Goods comprised in the order, or after the placement by the Company of an order for the materials required to manufacture the Goods will give rise to a further claim for the expenditure on the work commenced by the Company and for the price of any materials ordered by the Company.
- (b) Any trade discount given for Goods already delivered in anticipation of further deliveries ordered shall be reduced to take into account the cancellation and the amount of such reduction shall be payable by the Buyer forthwith.

10. Property

- (a) The property in the Goods will pass when (and not before) all monies owing by the Buyers whether pursuant to this Contract or to any other contract between the parties (whether made before or after the date hereof) to the Company shall have been fully paid. The Buyer shall as bailee keep the Goods safely and separate from other Goods and in such a way that they are clearly the property of the Company; and shall have the power to sell the Goods in the ordinary course of its business prior to the passing of property therein to the Buyer, but only as agent and for the account of the Company unless and until all monies owing be paid; and the proceeds of such sale less such profit or mark up as the purchaser may seek on such sale to make shall be retained upon trust in a separate account in the name of the Company upon a fiduciary duty to pay the same to the Company.
- (b) Pending payment in full as aforesaid the Buyer may in the ordinary course of its business admix the Goods with other goods not the property of the Company to make other products as such agent and trustee for the Company and shall have the power to sell such other products as agent and for the account of the Company and shall retain upon trust in a separate account in the name of the Company upon a fiduciary duty to pay the same to the Company such part of the proceeds of sale thereof as may be required to satisfy the Company's claim for the price of the Goods so admixed.
- (c) The exercise by the Buyer of the power set out in sub-paragraph (b) above shall be upon and subject to the following provisions which for the avoidance of doubt are expressed and acknowledged to be Conditions precedent to the exercise of such power:
- (i) Before admixture the Buyer shall notify the Company in writing of the Goods the property of the Company to be admixed, the products to be made there from and the date of such admixture together with the value of the Company's Goods, the total value of the goods to be admixed and the sale price of the products produced from such admixture.
- (ii) The Buyer hereby undertakes to notify the Company of any subsequent variation in the Goods, the products, the dates, the value or the sale price as aforesaid forthwith upon the occurrence of such change.
- (iii) The Buyer undertakes not to oppose and to give all due assistance to the Company in the registration of such charges or bills of sale as the Company shall from time to time in its absolute discretion require to secure all and any its rights hereunder.
- (d) In the event of the Buyer going into liquidation, whether compulsory or voluntary, or committing an act of bankruptcy or being dissolved (as may be appropriate) or entering into a composition with its creditors or having a receiver appointed over it, or in the event of the Buyer failing to comply by payment in full with a repossession notice, (which shall be a notice sent by Recorded Delivery to the Buyer's last known address giving the Buyer fourteen days from the date of posting to pay the monies therein specified which shall have been already due and payable, on pain of repossession as here in after appears) the Company shall have the right upon three days notice in writing to the said address to enter any premises of or controlled by the buyer and to repossess any goods not paid for in full and/or the property of the Company threat and thereafter resell the same.
- (e) In the event of the exercise by the Company of its powers under subparagraph (d) above after the exercise by the Buyer of the power to admix under sub-paragraph (b) above the Buyer shall freely and peaceably permit the Company by its servants or agents to enter any premises of or controlled by the Buyer and to retake possession of the products produced by such admixture and to sell the same.
- (f) In the event of resale pursuant to sub-paragraph (e) above the Company shall repay to the Buyer or to its order such part of the proceeds of resale (if any) as exceeds the price of the Goods the property of the Company admixed together with any charges incurred by the Company in such resale.

11. Risk

Notwithstanding that property in the Goods has not passed to the Buyer the risk in the Goods shall pass to the Buyer upon the making of this contract. If the Goods are unascertained the risk shall pass on appropriation. If the Goods are to be manufactured to the order of the Buyer to risk shall pass upon the commencement of manufacture. The Buyer is therefore recommended and advised to insure the Goods from the date of making of this contract.

12. Conditions and Warranties

- (a) Subject to the provisions of this Clause there are no Conditions of the contract and/or the Company gives and the Buyer received no warranty whether express or implied by the Sale of Goods Act 1979 or otherwise as to correspondence with description and/or sample and/or that the Goods are fit for their purpose and/or for any purpose made know to the Company by the purchaser.
- (b) Subject to Clause 13 the Company warrants that:
- (i) The Goods comply with the description stated herein.
- (ii) The Goods are of merchantable quality.

13. Liability

- (a) All and any claims by the Buyer against the Company must be notified in writing to the Company within seven days of the delivery of the Goods in connection with which it is alleged the claim arises or in the case of non-delivery within seven days of the scheduled delivery date.
- (b) If no written claim is submitted in accordance with Clause 13 (a) any claim shall be deemed to be barred and absolutely waived.
- (c) In no case whatsoever the liability of the Company (whether for its own breach of contract and/or negligence and/or vicariously arising) exceed the price of the Goods sold. The Company shall not be liable in any matter whatsoever to the Buyer for any loss of profit, market or of any contract or of any other consequential loss sustained or alleged to be sustained by the Buyer.
- (d) Prior to the making of any claim the Buyer shall return the Goods allegedly defective to the Company and if accepted by the Company to be defective shall at the request of the Buyer and if practicable be replaced by the Company without charge.
- (e) In the event of replacement by the Company pursuant to sub-paragraph (d) above the Buyer shall have and hereby acknowledges that is has no further claim whatsoever against the Company.
- (f) If the goods have been modified or added to in any way after delivery to the Buyer without the Company's prior written consent then the Company accepts no liability or responsibility for any defect howsoever arising from the date of such modification or alteration.
- (g) If is expressly acknowledged and agreed by the Buyer that the limitations and/or exclusion of liability in Clauses 12 and 13 are fair and reasonable having regard to:-
- (i) The price of the Goods.
- (ii) Any special requirements of the Buyer.
- (iii) The difficulty of dealing with claims submitted a considerable time after the events allegedly giving rise to them.
- (iv) The necessity of the Buyer obtaining insurance cover for the Goods in any event.
- (v) The difficulty and expense of the Company obtaining adequate insurance cover for the Goods and any other attendant liabilities.

Terms & Conditions

14. Frustration

If the supply of all or any of the Goods shall be prevented by unavailability of the Goods themselves or of any raw materials or constituent parts, any industrial action or dispute, wars, fires, floods or any natural disasters, any statutes, rules, regulations, orders or requisitions issued by any Government Department, Council or other duly constituted authority, or by any circumstances whatsoever beyond the control of the Company, the Company shall be at liberty to suspend or cancel the contract or that part thereof which is so affected without incurring any liability for any loss or damage arising therefrom howsoever caused, and the provisions of the Law Reform (Frustrated Contracts) Act 1943 or any statutory amendment or re-enactment thereof shall so far as is applicable apply.

15. Bankruptcy Etc.

In the event of the occurrence of any of the matters set out in Clause 10 (d) above and in the event of any distress or execution being levied or threatened upon any of the Buyer's property then the Company shall (without prejudice to all and any of its other rights) be entitled forthwith to withhold the delivery of any Goods to be delivered whether pursuant to this contract or to any other contract between the parties whether made before or after the date hereof and to terminate such agreement at its entire discretion upon giving written notice to the customer so to terminate without any liability whatsoever on its part.

16. Inspection & Testing

All inspection and testing of Goods required by the Buyer shall be made at the Company's premises or other place agreed to in writing by the Company. Any special test that may be required to be witnessed by the Buyer or his representatives will be made at the Company's premises or other place nominated by the Company and charges will be made for such services to be notified in writing by the Company to the Buyer prior to the date thereof. Should the Buyer or his nominated representatives fail to attend as previously agreed, the tests will proceed and will be deemed to have been carried out to the satisfaction of the Buyer.

17. Promotional Literature & Technical Information

(a) While the Company endeavors to ensure that the information contained in brochures, technical literature, price lists, advertising matter or similar material furnished to the Buyer is properly prepared, such information is intended solely as an indication of the Goods offered. Nothing contained therein shall be deemed as binding upon the Company by way of representation, statement or warranty whether collateral or otherwise.

(b) No technical or other advice or information given by the Company its servants or agents whether at the request of the Buyer or otherwise shall bind the Company whether by way of representation statement or warranty collateral or otherwise howsoever. It is the Buyer's responsibility to ensure that the Goods ordered by him are suitable for his purpose.

18. Patent / Copyrights

(a) All drawings calculations brochures and instructive matter furnished by the Company to the Buyer in connection with this Contract are and shall remain the Company's property and must not be copied or shown to any third party except in the ordinary course of the Buyer's business without the written consent of the Company.

(b) The purchaser shall indemnify the Company against all damages costs loss penalties claims and other matters whatsoever arising out of the infringement or alleged infringement of any patent registered design or copyright or in respect of any passing off action which may arise out of the Company carrying out work in respect of the manufacture and/or adaption of the Goods the subject matter of this contract in accordance with the requirements and/or to the Order of the Buyer.

19. Arbitration

All disputes arising between the Buyer and the Company as to the construction of the contract or as to any matter or thing arising out of the contract or in any way connected therewith shall be referred to the arbitration of a single arbitrator who shall be agreed, shall be appointed at the request of either party by the President of the Law Society for the time being and the parties hereby irrevocably submit to such binding arbitration.

20. English Law

This contract and all matters or things arising out of this contract or in any way connected therewith shall be interpreted or construed in accordance with the English Law.

21. Headings

All headings used in these Conditions are for ease of identification only and shall not form part of the contract nor shall they have effect in the construction thereof.



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