

TECHNOLOGY FOR THE WELDER'S WORLD.



2018 Product Catalogue

# BINZEL BASICS

[ MIG + TIG + ACCESSORIES ]



#genuinebinzel



[www.binzel-abicor.com](http://www.binzel-abicor.com)

# FOLLOW THE LEADER OF WELDING TORCH TECHNOLOGY.



#genuinebinzel



## Useful Information

### Orders

- 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](mailto: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](mailto:info@abimail.co.uk)
- Delivery Discrepancies - please complete an "Delivery Discrepancy" form. Available on request [info@abimail.co.uk](mailto: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.

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*The lightest torch in  
it's class!!*

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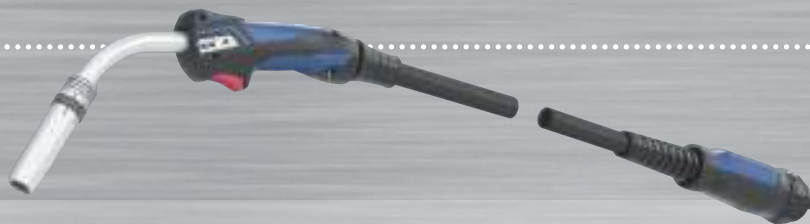
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## Care & Maintenance

### 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.

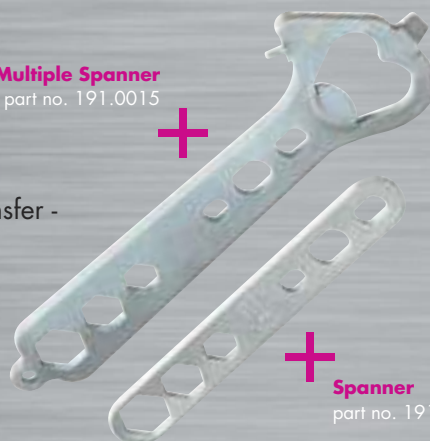
##### ■ Contact tips will look overheated (cooked).

##### ■ 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



#### 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.

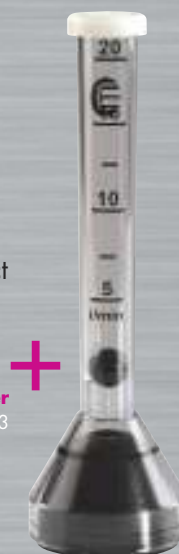


Set the regulator to 2-bar pressure & set the flow meter (0-30/0-40 lpm) to 16/18 lpm



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







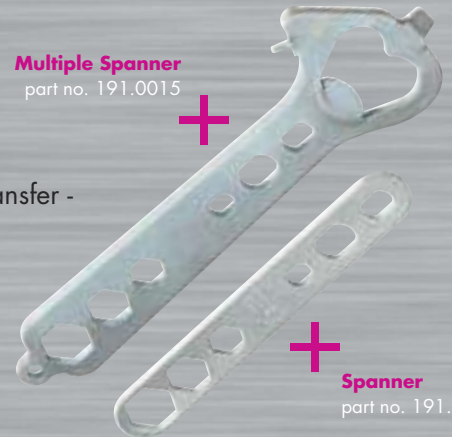
Excessive usage of contact tips, gas nozzles, gas diffusers, tip adaptors & liners

### Main Complaints

#### 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

#### 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)



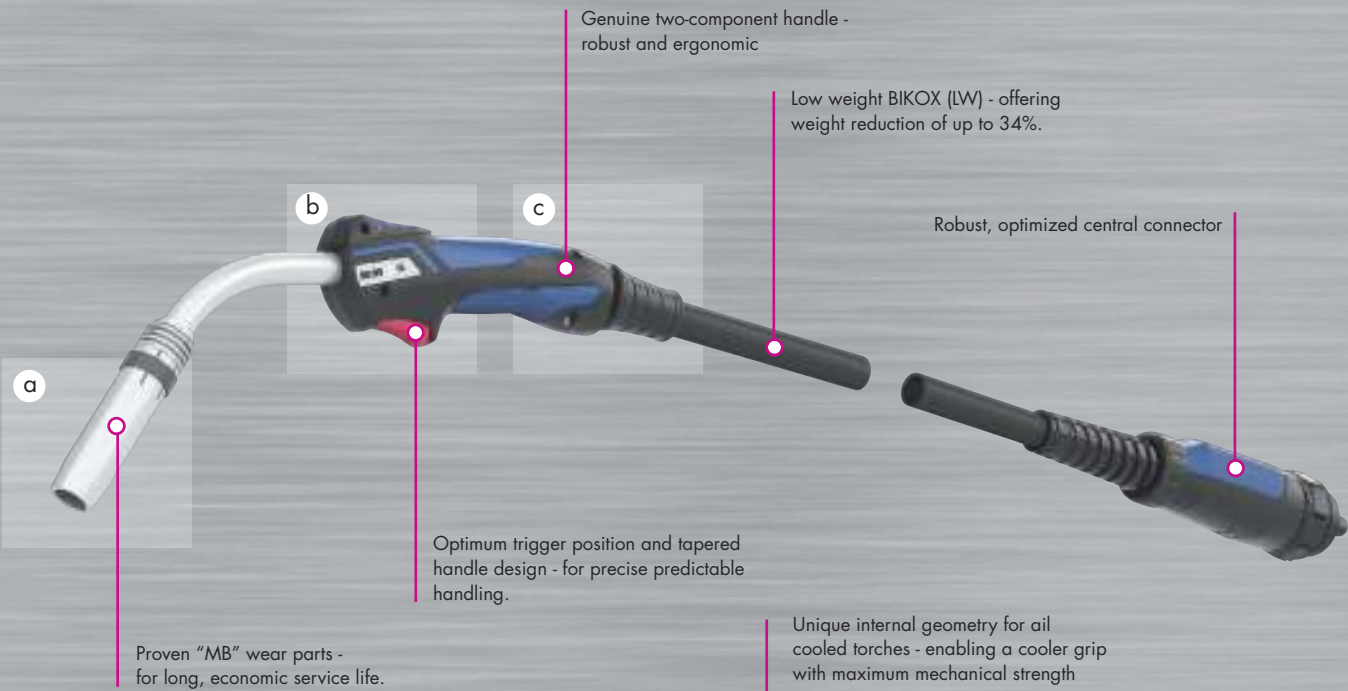
# MB EVO PRO Air Cooled

The perfect combination of handling and performance ...

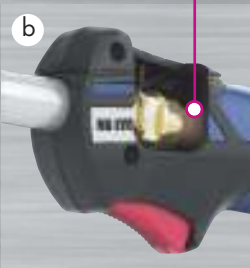
Air cooled MB EVO PRO welding torches feature the reduced weight "BIKOX® LW" cable assembly, for even better handling and scientifically proven reduced operator fatigue, in all welding positions. Improved handling and reduced strain have been shown to have a measurable impact on weld seam quality.

## Market leading performance ...

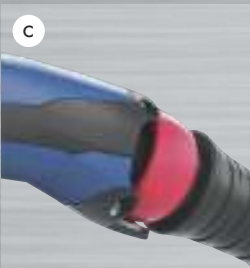
Due to a mass reduction up to 34% (when fitted with a 4m cable) ABICOR BINZEL sets the bench mark for "performance to torch weight ratio" and overall handling weight.



"MB" front end in detail.

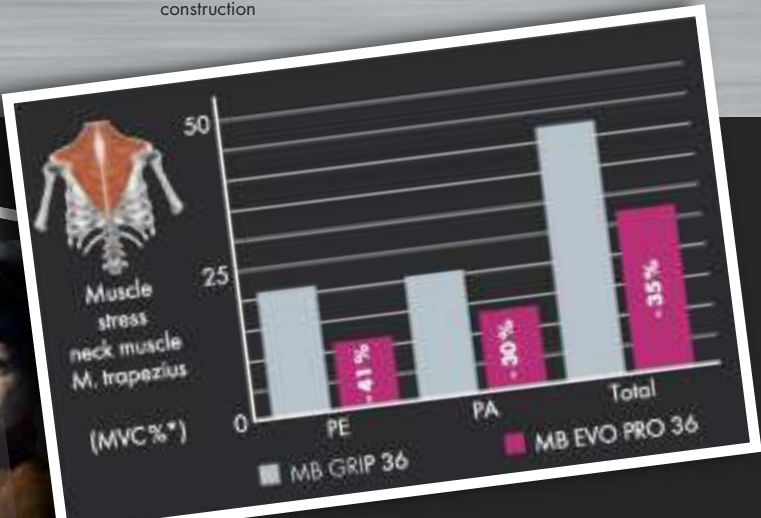


Optimized internal geometry.



Sophisticated ball joint construction

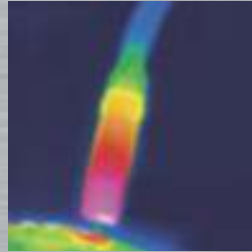
Reduced muscle strain of up to 35% ...



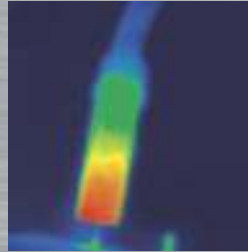


**It's the detail  
that makes the  
difference ...**

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.



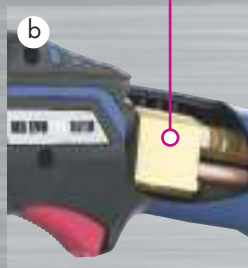
Front end:  
Competitor Type 501 D



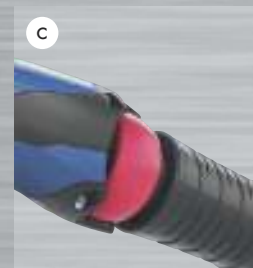
Front end:  
MB EVO PRO 501 D



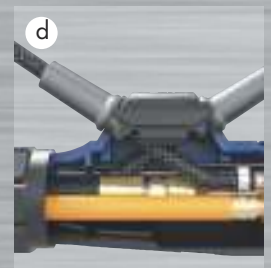
"MB" front end in detail.



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.

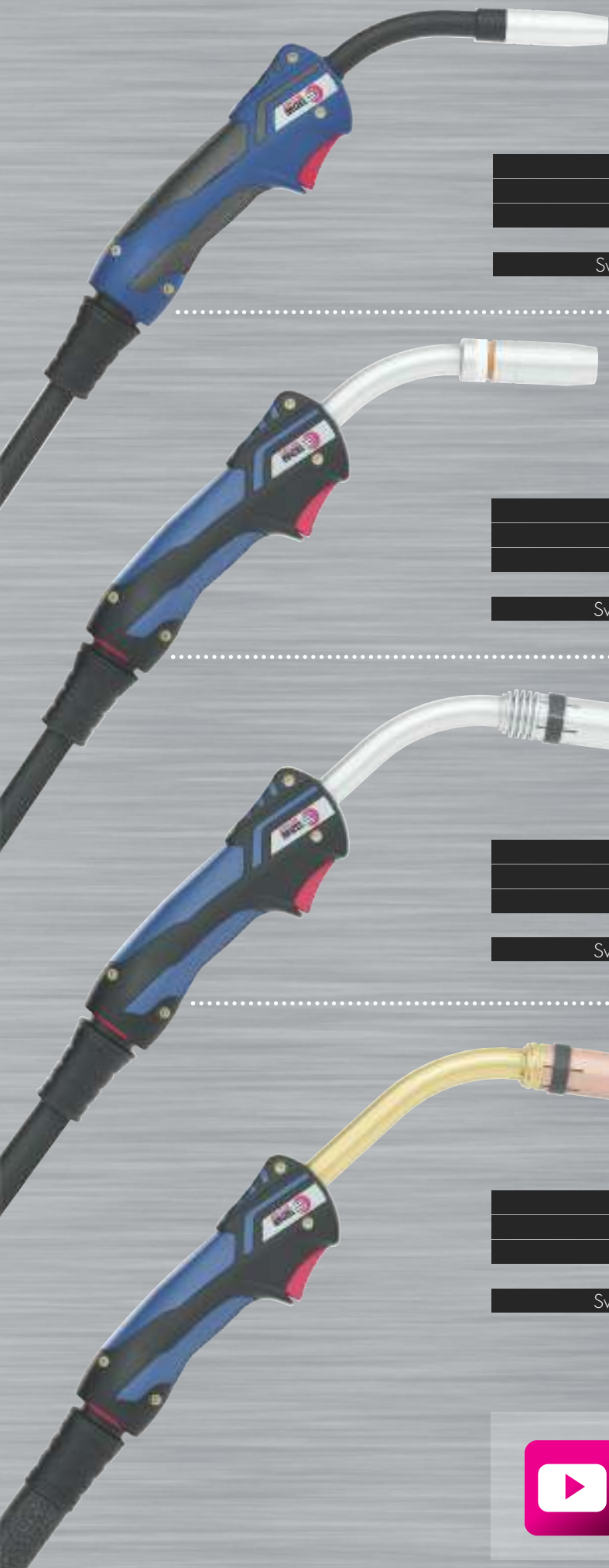


# MB EVO/EVO PRO Torches

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



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



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



**+** **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)	Part No.
Per Metre	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

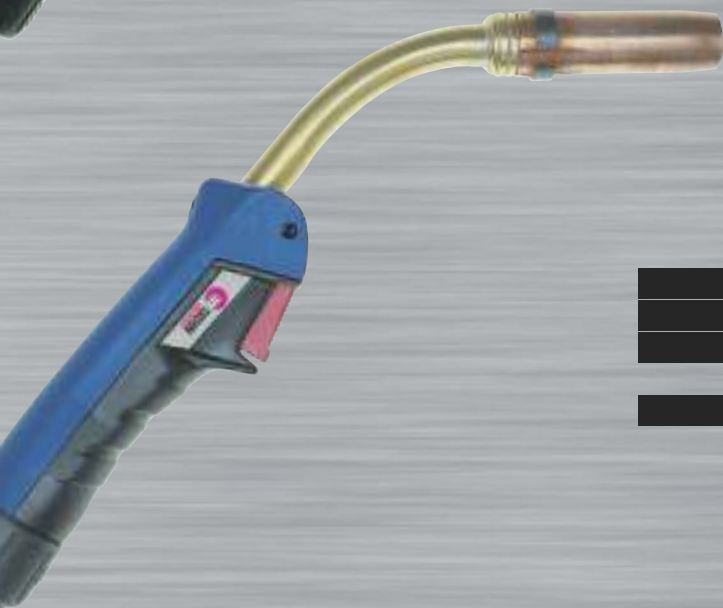
- Air Cooled
- 200 Amp  
(Mixed Gases)
- 60%
- 0.8-1.2mm



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

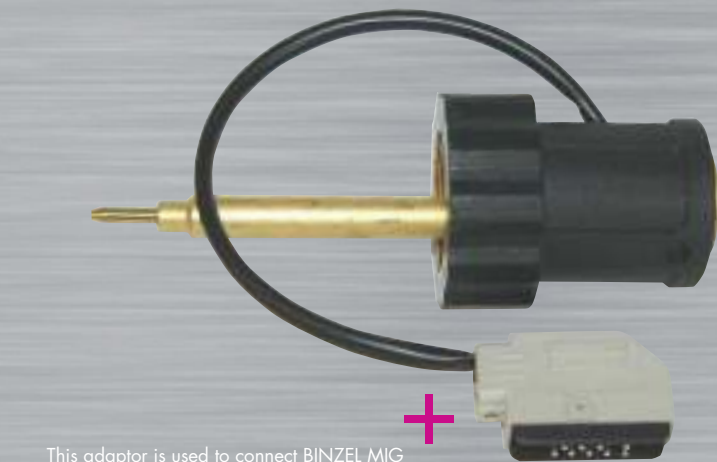


MB ERGO 501  
MIG/MAG Welding Torch

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



Contents of part no. 601.1828 **1**

Selection of guide tubes      Miller > Euro Adaptor      Insulation flange

Contents of part no. 601.9081 **2**

Selection of guide tubes      Miller > Euro Adaptor      Insulation flange

# Consumables

## Tip Adaptors




42mm



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

Size	Part No.
M6	002.0078

35mm



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

Size	Part No.
M6	142.0001 ●
M8	142.0015

28mm



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

Size	Part No.
M6	142.0005
M8	142.0020 ●

25mm



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

Size	Part No.
M8	142.0022

## Gas Diffusers

32.5mm



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

Type	Part No.
Standard	014.0261

28mm



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

Type	Part No.
Standard	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.

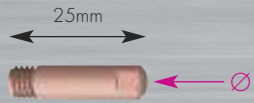


**Long-lasting protection**  
for the gas nozzle area,  
workpiece holder and  
workpiece. Silicon free.  
Extremely heat-resistant  
and abrasion-resistant.





### Standard (E-Cu)

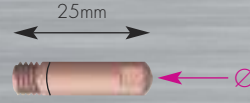


MB 15  
Standard (E-Cu)  
Pack size = 50

**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

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

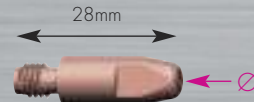


MB 15  
Heavy Duty (CuCrZr)  
Pack size = 50

**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

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

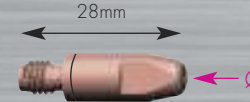


MB 25  
Standard (E-Cu)  
Pack size = 50

**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

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

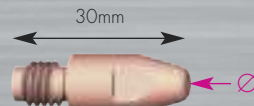


MB 25  
Heavy Duty (CuCrZr)  
Pack size = 50

**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

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

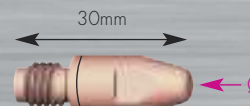


MB 36/501  
Standard (E-Cu)  
Pack size = 50

**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

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



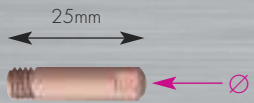
MB 36/501  
Heavy Duty (CuCrZr)  
Pack size = 50

**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

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

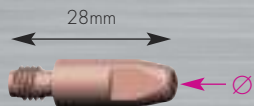


MB15  
Aluminium  
Pack size = 50

**M6**

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

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

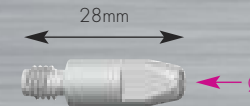


MB 25  
Aluminium  
Pack size = 50

**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

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

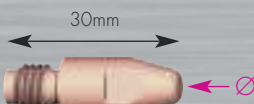


MB 25  
ABITIP®  
Pack size = 10

**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

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

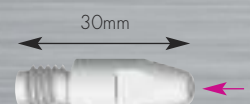


MB 36/501  
Aluminium  
Pack size = 50

**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

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

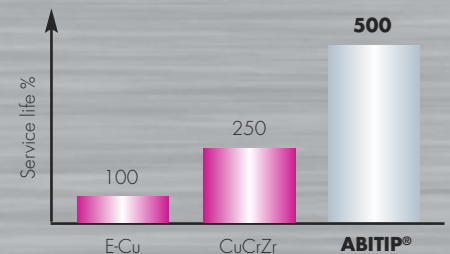


MB 36/501  
ABITIP®  
Pack size = 10

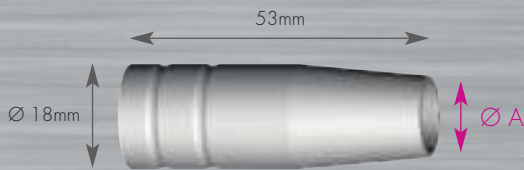
**M8**

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

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



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



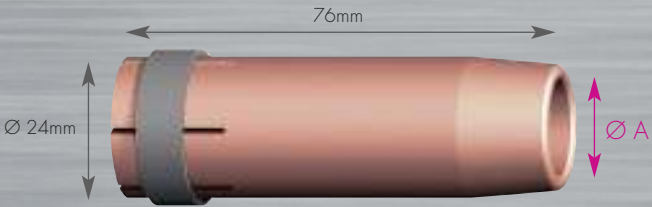
MB 25  
ERGO/EVO/EVO PRO  
Pack size = 10

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

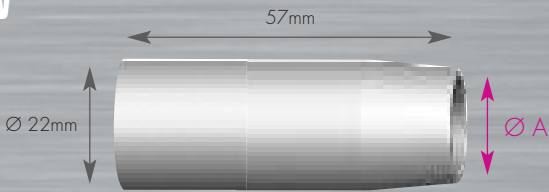
Ø A	Type	Part No.
19mm	Cylindrical	145.0045
16mm	Conical	145.0078 ●
12mm	Tapered	145.0126



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

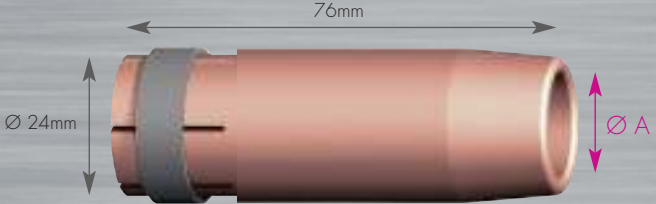
Ø A	Type	Part No.
20mm	Cylindrical	145.0051
16mm	Conical	145.0085 ●
14mm	Tapered	145.0132

Heavy Duty



MB 25  
Heavy Duty Nozzle

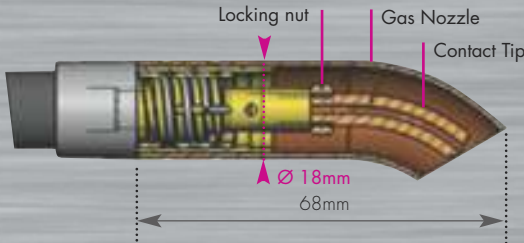
Ø A	Type	Part No.
15mm	Conical	145.D030
21mm	Cylindrical	145.D031



MB 501  
Heavy Duty Nozzle

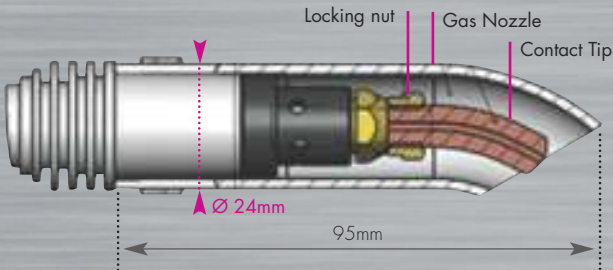
Ø A	Type	Part No.
16mm	Conical	145.0086

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

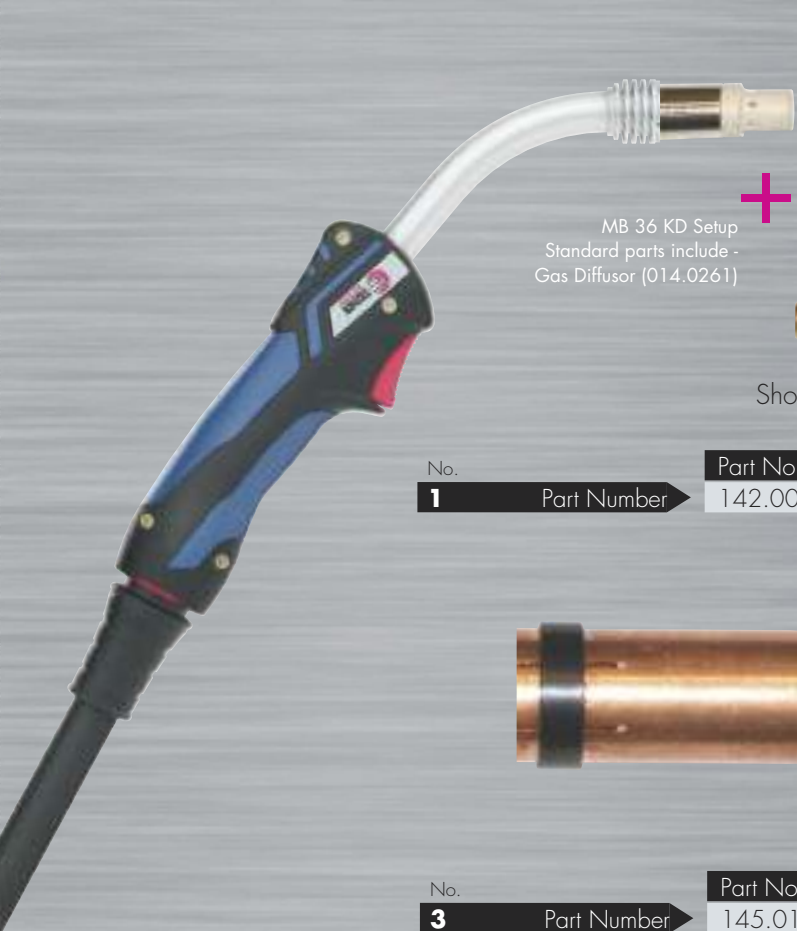


MB 36/501  
Bent Consumables

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

Centring Piece

M8 Contact Tip  
Pack size = 10

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

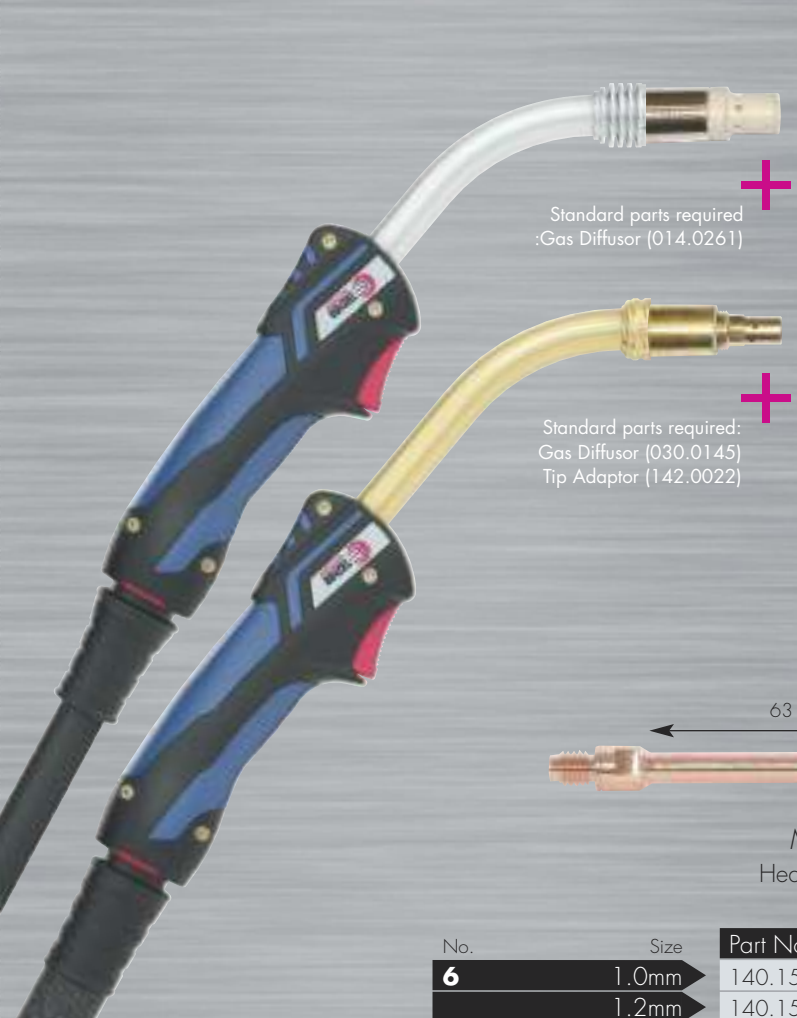
No.	Part Number	Part No.
3		145.0166

Gas Nozzle  
Pack size = 10

No.	Part Number	Part No.
4		030.0010

Gas Nozzle Extension  
Pack size = 1

## 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






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

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:




-  **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



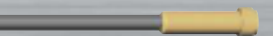
The addition of a short brass spiral wound liner attached to the front of the PTFE liner enables this liner to be used in higher temperature applications.

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



[www.binzel-abicor.com](http://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

Brass

Part No.
FG54A


## Insulators



Tweco® No.2  
Insulator  
Pack Size = 5

Insulator

Part No.
FG32



Tweco® No.4  
Insulator  
Pack Size = 5

Insulator

Part No.
FG34A

## 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

Part No.
FG34CT

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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

Part No.
Insulator FG4323R



350-500A  
Insulator  
Pack Size = 2

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

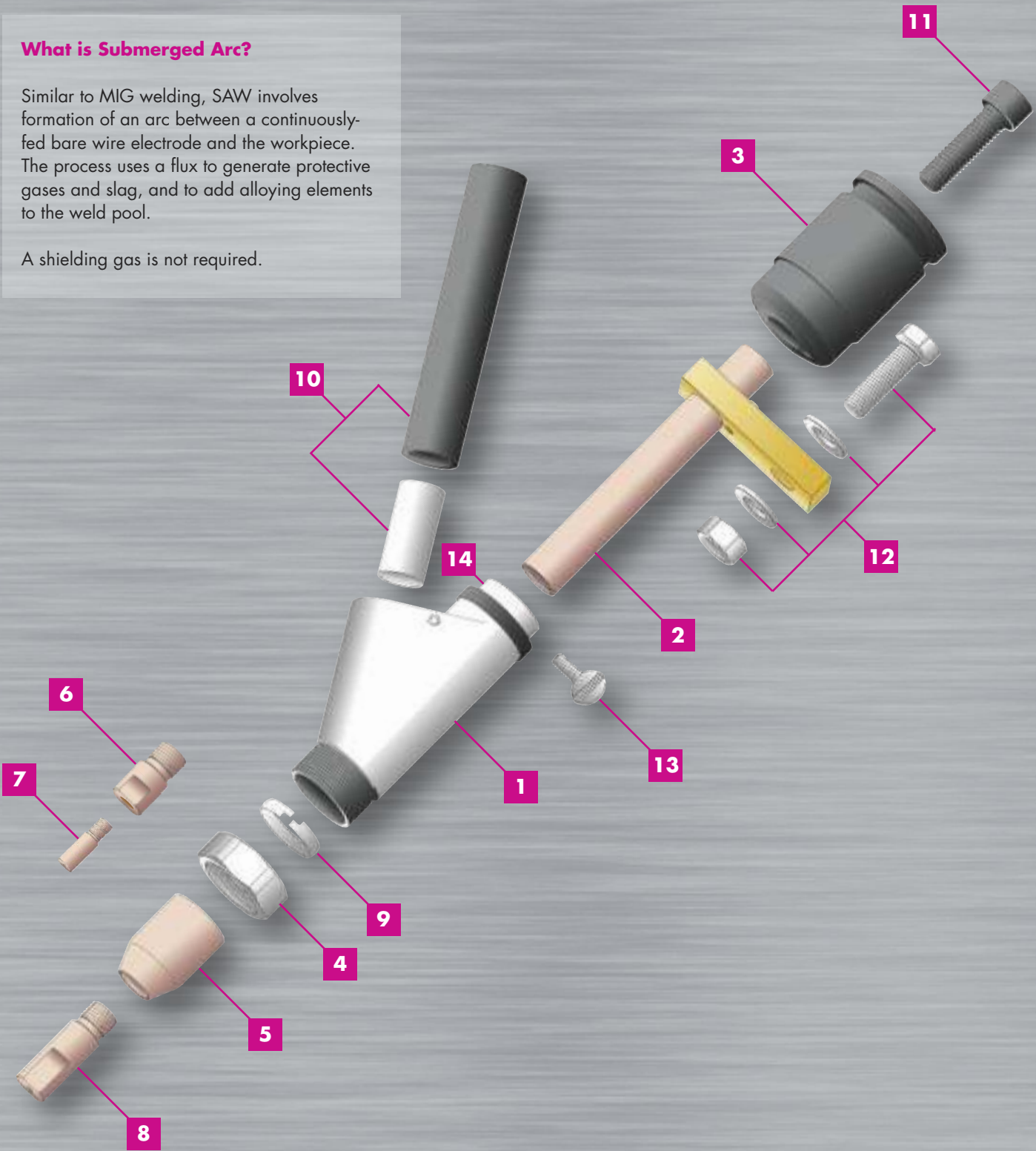
# Submerged Arc

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.

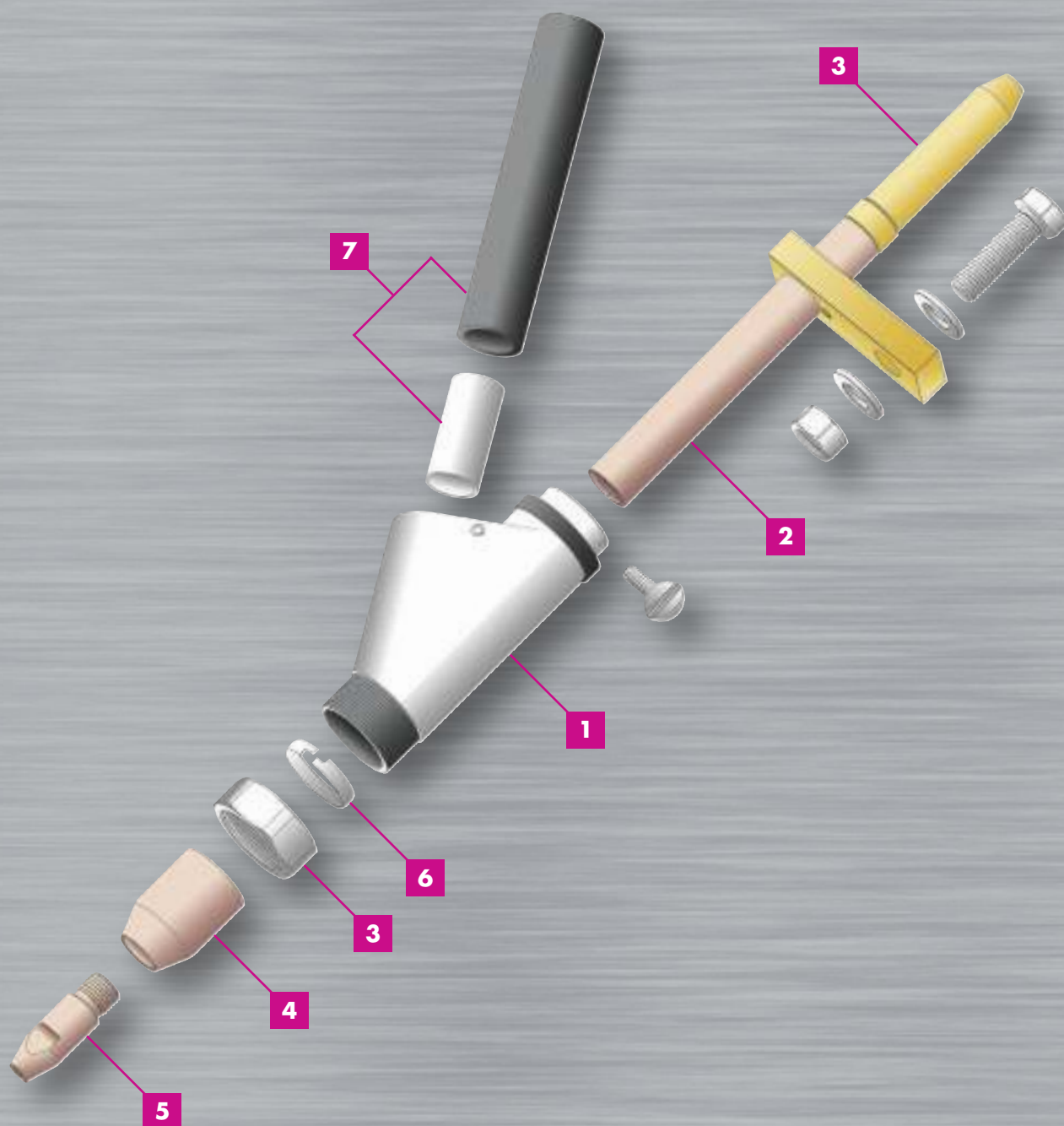


No.	Description	Part No.
1	Cone Body Assembly	BINM8249
2	Nozzle Body Assembly	BINS10157
3	Nozzle Insulator	BINS10493-1
4	Retaining Nut	BINS10147
5	Flux Cone	BINKP2085-1
6	Tip Adaptor for Small Tips	BINKP1992-1
7	Small Contact Tip 2.0mm	BINKP2100-3B1
	Small Contact Tip 2.4mm	BINKP2100-4B1
8	Large Contact 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.
<b>1</b>	Cone Body Assembly	BIN192693
<b>2</b>	Nozzle Body Assembly	BIN192692
<b>3</b>	Retaining Nut	BIN192697
<b>4</b>	Flux Cone	BIN192696
<b>5</b>	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.
<b>6</b>	Locking Ferrule	BIN192695
<b>7</b>	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

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

Welding Helmet

Part No.

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 <sub>max</sub> 7 l/min Delivery height H <sub>max</sub> 35 m	Flow rate Q <sub>max</sub> 7 l/min Delivery height H <sub>max</sub> 35 m
Pump pressure	3.5 bar	3.5 bar
Cooling capacity	1000 W with H <sub>2</sub> O 750 W with BTC-15	1250 W with H <sub>2</sub> 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)	Nlw 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.

Features & benefits.

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

- 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<sup>W3</sup>).
- 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<sup>W3</sup> 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<sup>W3</sup>** 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 material<sup>2</sup>. Thus, this device enables the filtering of the exhausts, and work to be conducted without these otherwise harmful effects.

**W3**  
Certified

# 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 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

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 Torch Heads

### BIN 9 Switch & Rubber Covered Torches

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

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

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

### BIN 20 Torch Heads

### BIN 20 Switch & Rubber Covered Torches

Type	Torch	12.5 ft	25 ft
Standard	20	BIN20-12SC	BIN20-25SC
Flexi	20 F	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.**





# 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
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?

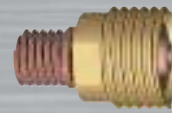
A **Gas Lens** setup is required for use in high quality integrity welding applications where a superior/precise gas coverage is necessary & an extended tungsten stick-out is required.



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
-

### 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

# TIG Torches / Heads

## BIN 17

Zipper cover  
available on request.

Air Cooled 150 Amp 60% 0.5mm - 2.4mm

BIN 17  
Torch Heads

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

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

25 ft
BIN17-25
BIN17F-25
BIN17FV-25
BIN17V-25

BIN 17  
Switch & Rubber Covered Torches

12.5 ft	25 ft
BIN17-12SC	BIN17-25SC
BIN17F-12SC	BIN17F-25SC
BIN17FV-12SC	BIN17FV-25SC
BIN17V-12SC	BIN17V-25SC

## BIN 18

Zipper cover  
available on request.

Liquid Cooled 350 Amp 100% 0.5mm - 4.0mm

BIN 18  
Torch Heads

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

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

25 ft
BIN18-25
BIN18F-25

BIN 18  
Switch & Covered Torches

12.5 ft	25 ft
BIN18-12SC	BIN18-25SC
BIN18F-12SC	BIN18F-25SC

## BIN 26

Zipper cover  
available on request.

Air Cooled 200 Amp 60% 0.5mm - 2.4mm

BIN 26  
Torch Heads

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

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

25 ft
BIN26-25
BIN26F-25
BIN26FV-25
BIN26V-25

BIN 26  
Switch & Rubber Covered Torches

12.5 ft	25 ft
BIN26-12SC	BIN26-25SC
BIN26F-12SC	BIN26F-25SC
BIN26FV-12SC	BIN26FV-25SC
BIN26V-12SC	BIN26V-25SC



# TIG Consumables

## Standard Setup



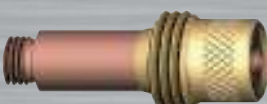

					
		Insulator Pack Size = 10	Collet Pack Size = 10	Collet Body Pack Size = 10	Ceramic Pack Size = 10
Electrode Ø	Nozzle Size	Part No.	Part No.	Part No.	Part No.
0.5 mm	No. 4	BIN18CG	BIN10N21	-	BIN10N50
1.0 mm	No. 5		BIN10N22	BIN10N30	BIN10N49
1.6 mm	No. 6		BIN10N23	BIN10N31	BIN10N48
2.4 mm	No. 7		BIN10N24	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



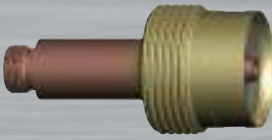

### Why use a Gas Lens setup?

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.

					
		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?

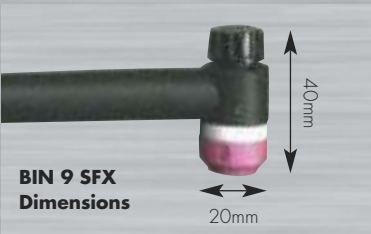
A **Gas Lens** setup is required for use in high quality integrity welding applications where a superior/precise gas coverage is necessary & an extended tungsten stick-out is required.

					
		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.



90°  
Angle  
Head

45mm longer  
than a standard torch  
body (BIN9)

BIN 9 SFX  
Torch Head

Type	Angle
Long Flexi	90°

Part No.
BIN9SFX

BIN 9 SFX  
Standard Torches

Type	Torch
Long Flexi	9 SFX

12.5 ft
BIN9SF-12

25 ft
BIN9SF-25

BIN 9 SFX  
Switch & Rubber Covered Torches

12.5 ft
BIN9SF-12SC

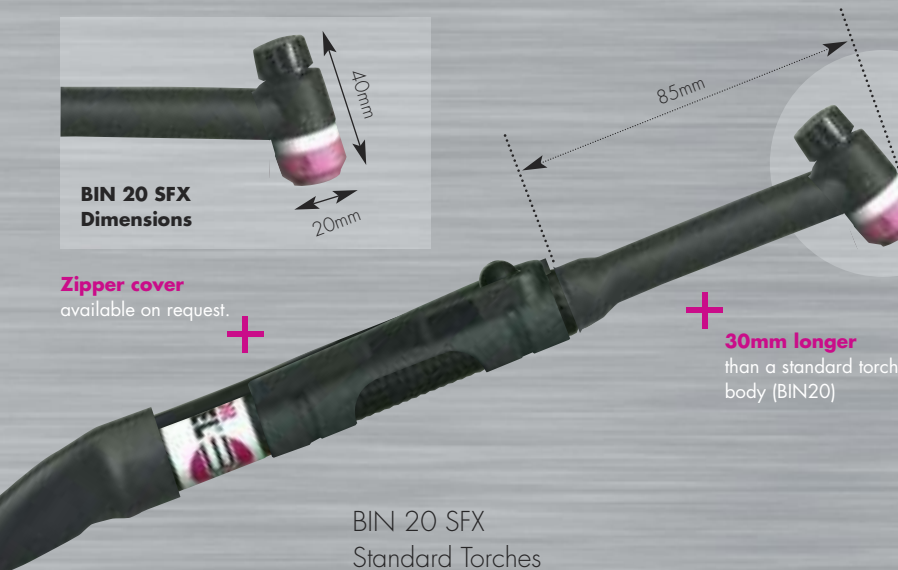
25 ft
BIN9SF-25SC

BIN 20 SFX

Liquid Cooled 250 Amp 100% 0.5mm - 3.2mm



Zipper cover  
available on request.



70°  
Angle  
Head

30mm longer  
than a standard torch  
body (BIN20)

BIN 20 SFX  
Torch Head

Type	Angle
Long Flexi	70°

Part No.
BIN20SFX

BIN 20 SFX  
Standard Torches

Type	Torch
Long Flexi	20 SFX

12.5 ft
BIN20SF12

25 ft
BIN20SF-25

BIN 20 SFX  
Switch & Rubber Covered Torches

12.5 ft
BIN20SF-12SC

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

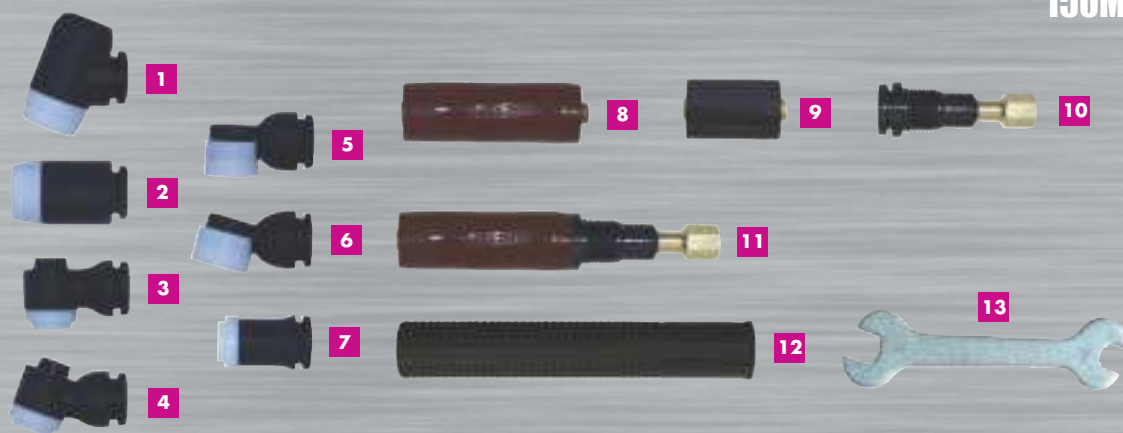
Part No.
712.7131.10
712.7132.10
-
-



❄️ Air Cooled 🧤 Up to 150 Amp ⚡ 60% ⌀ 0.5mm - 2.4mm

# Modular TIG Torch

## 150M



		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

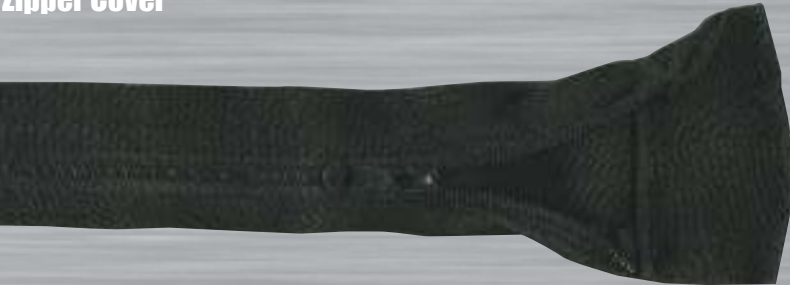
Type	Part No.
Bulb	BIN950
CROUZET® Bulb	BIN950.CR
Flat	BIN950F



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



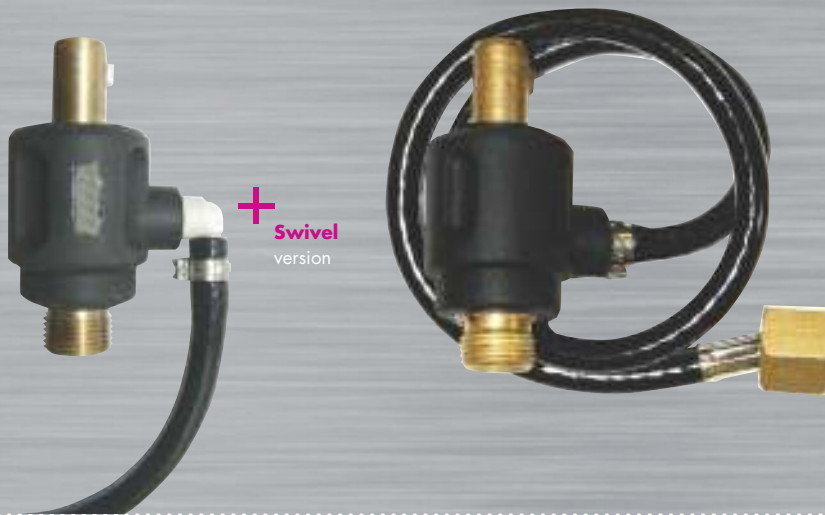
Leather Zipper Cover

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

ABIPLUG®

Welding Cable & Connector System

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.

Technical Data

(EN 60 974-7)

Type	Current (Amps)	Cable (mm²)
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

Cable Plugs  
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

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

Cable Sockets  
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

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



Machine  
4 Pin Amphenol Plug



Part No.  
175.0006

Kemppi®



Specification  
6 Pin Amphenol Plug



Part No.  
175GB023

Lincoln®



Specification  
14 Pin Amphenol Plug



Part No.  
175.0129

Miller®



Specification  
6 Pin Harting Plug



Part No.  
175.0013

Migatronik®



Specification  
8 Pin Plug

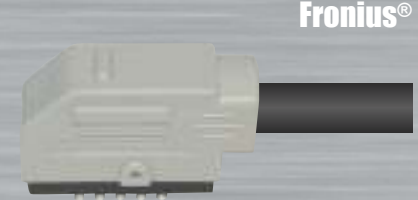


Part No.  
175GB020

Thermal Arc®



Specification  
9 Pin Tuchel Plug



Part No.  
175.0046

Fronius®



Specification  
5 Pin Tuchel Plug

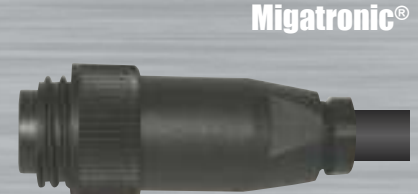


Part No.  
175.0011

Messer®/EWM®/Lincoln®



Specification  
7 Pin Migatronik Plug



Part No.  
175.0155

Migatronik®



Specification  
3 Pin Plug



Part No.  
175GB007

GYS®/Newarc®



Specification  
7 Pin Plug



Part No.  
175.0382

Kemppi®

# Non-radioactive alternative to thoriated tungsten electrodes ...

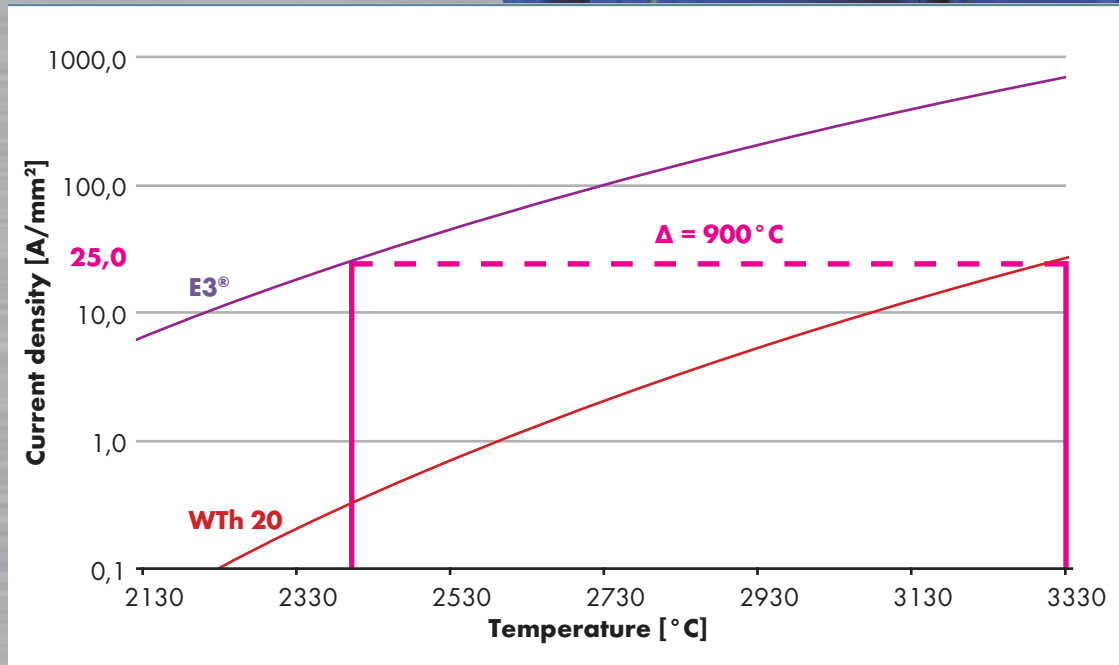
## Features & benefits ...

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

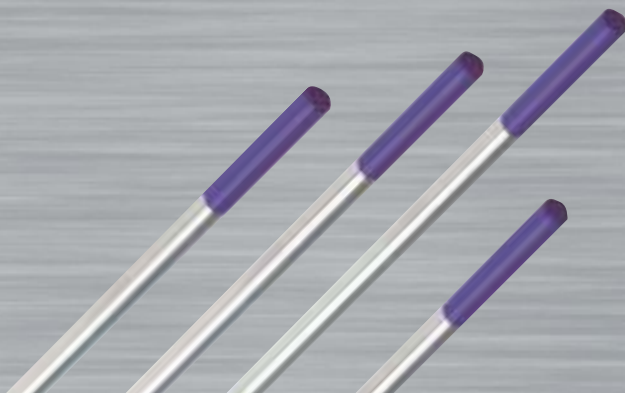
The visual appearance of the E3® electrodes after 150 ignitions show less erosion than the WTh 20 electrodes after 150 ignitions. E3® electrodes provide improved ignitions even after a longer period of use.



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: **WGl15 = 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 (La<sub>2</sub>O<sub>3</sub>). The overall service life and current carrying capacity is lower than the E3® electrodes.

Colour-coding: **WLa10 = Black / WLa15 = 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 (CeO<sub>2</sub>), 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



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



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

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.
<b>7</b> Power Lug	501.0280



## Insulation Flanges

No.	Size	Part No.
<b>8</b>	ø 85mm	501.0616
<b>9</b>	ø 50mm	501.0588



## Brass Bodys

No.	Type	Part No.
<b>10</b>	Gas Axial	501.0168
<b>11</b>	Gas Radial	501.0169

Spring Loaded Pins	Part No.
	501.2378





## Guide Tubes

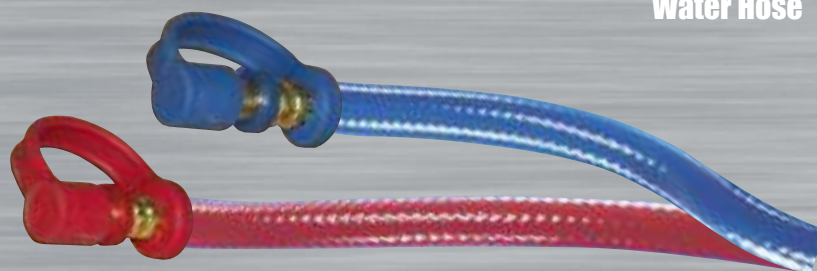
Length	Ø 1.2 mm	Ø 1.6 mm
200 mm	129.0164	129.0313
300 mm	129.0187	-
500 mm	129.0189	129.0361
1000 mm	129.0107	-



## 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

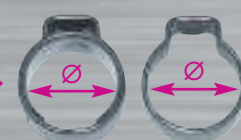
No.	Size	Female	Male
<b>12</b>	G 3/8	501.0189	501.0114 (To suit all female)
<b>13</b>	Ø 6 mm	501.0204	
<b>14</b>	Ø 8 mm	501.0190	
<b>15</b>	Ø 10 mm	501.0195	



## 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







ABIBLUE  
Anti-Spatter-Emulsion

No.	Size	Part No.
1	5 Litre	192.0238.1
2	10 Litre	192.0239.1
3	20 Litre	192.0240.1
4	400 ml*	192.0163

\*Not Filled, spray can only.



1



#genuinebinzel

# 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





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.



Size  
400ml

Ceramic Protective  
Aerosol Spray

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	Part No.
400ml	01C.5040

PROTEC® Metallotion  
Hand Pump Spray (Empty)

Size	Part No.
500ml	01C.GB01

PROTEC® Fluids  
10 Litres

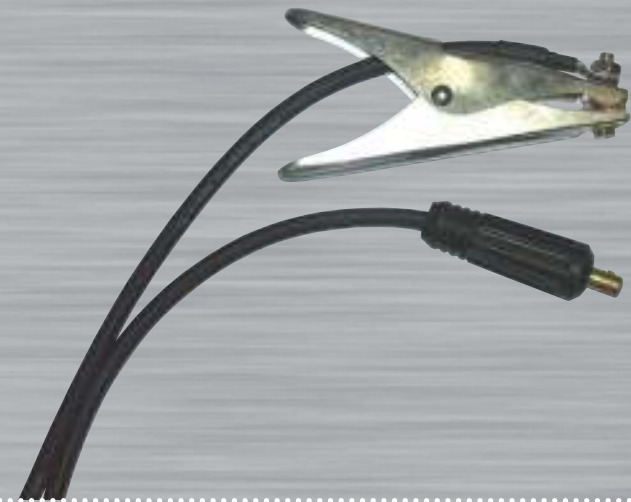
Type	Part No.
Metallotion CE15L	01C.GB10
Visco Lotion CE15V	01C.7010
Laser Lotion LC20A	02C.8010



ZINC  
approved

# Earth Clamps & Lead Sets

## 200 Amp



Type	Amperage
Crocodile	200 Amp

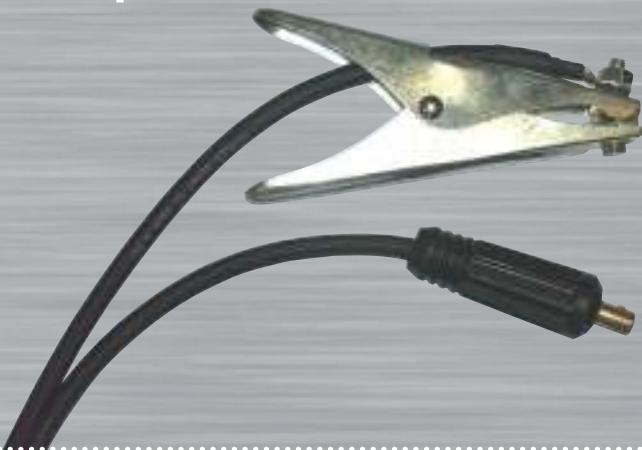
200 Amp  
Crocodile Earth Clamp  
Pack Size = 1

Part No.
513GB200

200 Amp  
Earth Lead Sets  
Pack Size = 1

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

## 400 Amp



Type	Amperage
Crocodile	400 Amp

400 Amp  
Crocodile Earth Clamp

Part No.
513GB400

400 Amp  
Earth Lead Sets

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

## 600 Amp



Type	Amperage
Crocodile	600 Amp

600 Amp  
Crocodile Earth Clamp

Part No.
513GB600

600 Amp  
Earth Lead Sets

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

## 600 Amp



Type	Amperage
Screw Type	600 Amp

600 Amp  
Screw Type Earth Clamp

Part No.
513GB600S-B

600 Amp  
Earth Lead Sets

Cable Size	Length	Part No.
50mm <sup>2</sup>	3 Metre	513GBS600-3
50mm <sup>2</sup>	5 Metre	513GBS600-5
50mm <sup>2</sup>	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 <sup>2</sup>	3 Metre	512GB200(16)-3
16mm <sup>2</sup>	5 Metre	512GB200(16)-5
16mm <sup>2</sup>	10 Metre	512GB200(16)-10
25mm <sup>2</sup>	3 Metre	512GB200(25)-3
25mm <sup>2</sup>	5 Metre	512GB200(25)-5
25mm <sup>2</sup>	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 <sup>2</sup>	3 Metre	512GB400-3
35mm <sup>2</sup>	5 Metre	512GB400-5
35mm <sup>2</sup>	10 Metre	512GB400-10

600 Amp

600 Amp  
Electrode Holder

Colour	Amperage	Part No.
Red	600 Amp	512GB600



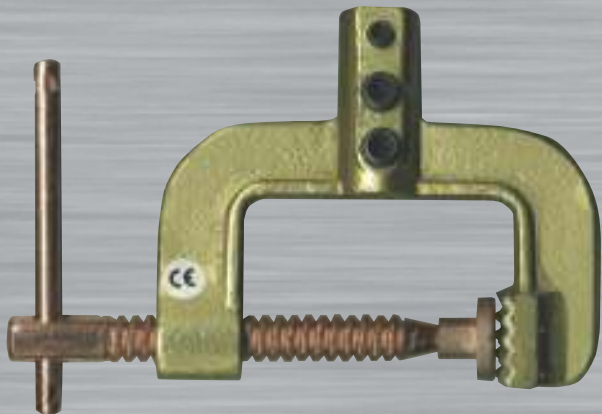
600 Amp  
Work Lead Sets

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

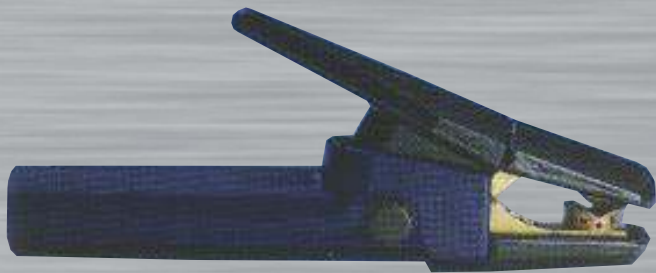
500 & 800 Amp

500 & 800 Amp  
Extreme Duty Clamp

Amperage	Part No.
500 Amp	11.05.03500
800 Amp	11.05.03800



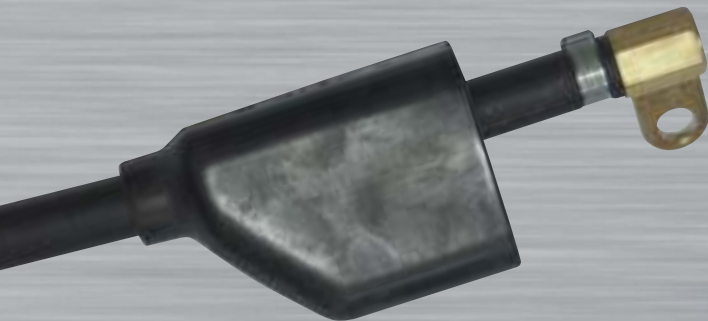
Vlamboog® Flair  
Torches



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

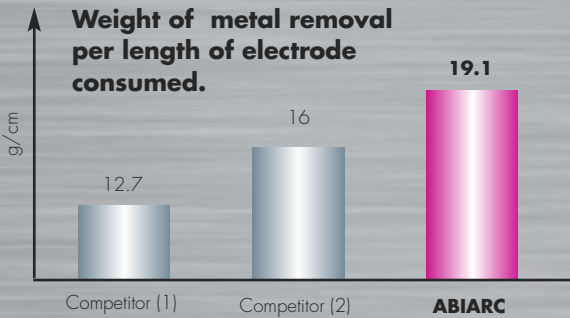
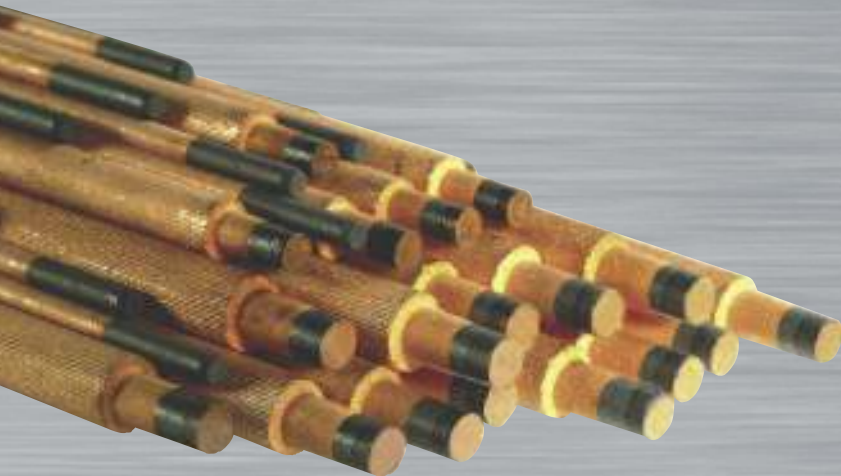
ABIARC® Carbon Electrodes

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 with a light gray background, containing numerous horizontal dotted lines for writing notes.

# 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 tanto) 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 known 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 it 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) It 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.



Abicor Binzel UK Limited  
Binzel House, Mill Lane, Winwick Quay,  
Warrington, Cheshire, WA2 8UA. England  
Tel: (01925) 653944 Fax: (01925) 654841

VAT Reg No. 380167946







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