



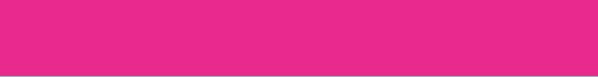
# PLASMA



Catalogue 2004/2005

Welding & cutting brought to the point.





# Content

## PLASMA Cutting Torches

- Plasma Cutting Torches "ABIPLAS® CUT" air-cooled  
**ABIPLAS® CUT 70** Pages 4–5
- Plasma Cutting Torches "ABIPLAS® CUT" air-cooled  
**ABIPLAS® CUT 110 / ABIPLAS® CUT 110 MT** Pages 6–7
- Plasma Cutting Torches "ABIPLAS® CUT" air-cooled  
**ABIPLAS® CUT 150 / ABIPLAS® CUT 150 MT** Pages 8–9
- Plasma Cutting Torches "ABIPLAS® CUT" liquid-cooled  
**ABIPLAS® CUT 200 W / ABIPLAS® CUT 200 W MT** Pages 10–11
- Plasma Cutting Torches PSB air-cooled  
**PSB 31 S** Pages 12–13
- Plasma Cutting Torches PSB air-cooled  
**PSB 60 S / AUT-PSB 60 L / PSB 121 S / AUT-PSB 121 L** Pages 14–15

## PLASMA Welding Torches

- Plasma Welding Torches "ABIPLAS® WELD" liquid-cooled  
**"ABIPLAS® WELD" 100 W / 150 W / 100 W MT / 150 W MT** Pages 16–17

## Spare Parts

- Bikox, Power cable, Pilot and Control Cables, Hoses, Handles, etc. Pages 18–19

## Accessories

- Torch carriage and Condensate filter Page 20

## Coolant Recirculator

- WK 23 / WK 43 Page 21

## Welding and Cutting Accessories

- Special Coolant, Welding Cable Plug and Socket, etc. Pages 22–23

# Plasma cutting torches "ABIPLAS® CUT" air-cooled

## Rating up to 70 A

The plasma cutting torches in the ABIPLAS® CUT series can be used for plasma cutting with compressed air as plasma and cooling gas in all common cutting positions.

Thanks to a large selection of plasma nozzles and electrodes as well as further accessory parts, ABICOR BINZEL plasma cutting torches are extremely suitable for a wide range of applications. ABIPLAS® CUT is ideal for individual continual use, even under the toughest of conditions. Special torches are available for automated applications (ABIPLAS® CUT 110 MT and ABIPLAS® CUT 150 MT).

- Robust design and optimum cooling guarantee long life of torch and consumables
- Handle with extended trigger for increased distance between plasma jet and hand, thus safer and fatigue-free working
- Quickly exchangeable consumables (including insulator)
- Large range of consumables, equipment and accessories



### ABIPLAS® CUT 70


#### Technical data (EN 60 974-7):

Cooling:	air-cooled
Rating:	70 A (at 60% duty cycle) 50 A (at 100% duty cycle)
Gas supply:	Compressed air both for plasma and cooling gas – Gas pressure 4.8–7 bar – Working pressure 5.5 bar – Required volume 155 l/min at 5.5 bar – Gas post flow circa 60 sec.
Ignition voltage:	7 kV
Cutting thickness:	max. 25 mm at 70 A max. 15 mm at 50 A depending on material to be cut and power source

Torch complete		Part-No.	Torch body	
Type	Connector		Type	Part-No.
<b>ABIPLAS® CUT 70</b>	Single connector G1/4"	742.D004	<b>ABIPLAS® CUT 70</b>	742.D022
<b>ABIPLAS® CUT 70</b>	Central connector*	742.D037	<b>ABIPLAS® CUT 70</b>	742.D022





\*For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.

## Wear parts

<b>Insulator</b>	
	742.D012


<b>Electrode (5 pcs.)</b>		
	<b>Standard</b>	<b>Long</b>
	742.D056	742.D057

<b>Swirl ring (2 pcs.)</b>	
	742.D073

<b>Nozzle</b>				
	<b>Standard</b> (10 pcs.)	<b>Standard</b> <b>cross groove</b> (10 pcs.)	<b>Long</b> (5 pcs.)	<b>Long</b> <b>cross groove</b> (5 pcs.)
Ø 0.9 mm / 30 A	742.D008	742.D027	742.D014	742.D029
Ø 1.1 mm / 30–50 A	–	–	742.D038	–
Ø 1.1 mm / 30–60 A	742.D018	742.D028	–	–
Ø 1.2 mm / 50–70 A	742.D041	–	–	–

<b>Shield cap</b>	
	742.D023

<b>Distance spring (2 pcs.)</b>	
	742.D010

<b>Bevel cutting nozzle</b>	
	742.D047

<b>Castellated nozzle</b>	
	742.D048

<b>Castellated nozzle long</b>	
	742.D060



# Plasma cutting torches "ABIPLAS® CUT" air-cooled

## Rating up to 110 A

- Robust design and optimum cooling guarantee long life of torch and consumables
- Handle with extended trigger for increased distance between plasma jet and hand, thus safer and fatigue-free working
- Quickly exchangeable consumables (including insulator)
- Large range of consumables, equipment and accessories

**ABIPLAS® CUT 110**



**ABIPLAS® CUT 110 MT**

### ABIPLAS® CUT 110 ABIPLAS® CUT 110 MT

Technical data (EN 60 974-7):

Cooling:	air-cooled
Rating:	110 A (at 60% duty cycle) 90 A (at 100% duty cycle)
Gas supply:	Compressed air both for plasma and cooling gas <ul style="list-style-type: none"> <li>– Gas pressure 4.8–7 bar</li> <li>– Working pressure 5.5 bar</li> <li>– Required volume 180 l/min at 5.5 bar</li> <li>– Gas post flow circa 60 sec.</li> </ul>
Ignition voltage:	7 kV
Cutting thickness:	max. 40 mm at 110 A max. 35 mm at 90 A depending on material to be cut and power source













Torch complete		Part-No.	Torch body	
Type	Connector	6 m	Type	Part-No.
ABIPLAS® CUT 110	Single connector G1/4"	745.D001	ABIPLAS® CUT 110	745.D025
ABIPLAS® CUT 110	Central connector*	745.D048	ABIPLAS® CUT 110	745.D025

Torch complete			Part-No.	Torch body	
Type	Connector	Cable support	6 m	Type	Part-No.
ABIPLAS® CUT 110 MT	Single connector G1/4"	Rubber	745.D035	ABIPLAS® CUT 110 MT	745.D051
ABIPLAS® CUT 110 MT	Single connector G1/4"	Spring	745.D049	ABIPLAS® CUT 110 MT	745.D051
ABIPLAS® CUT 110 MT	Central connector*	Rubber	745.D059	ABIPLAS® CUT 110 MT	745.D051
ABIPLAS® CUT 110 MT	Central connector*	spring	745.D060	ABIPLAS® CUT 110 MT	745.D051

\*For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.

# ABIPLAS® CUT 110, ABIPLAS® CUT 110 MT

## Wear parts

<b>Insulator</b>								
	745.D020							
<b>Electrode (5 pcs.)</b>		<b>Standard</b>		<b>Long</b>				
	745.D008		745.D016					
<b>Swirl ring (2 pcs.)</b>								
	745.D113							
<b>Nozzle (5 pcs.)</b>		<b>Standard</b>		<b>Gouging nozzle</b>		<b>Long</b>		<b>Long cross groove</b>
Ø 1.0 mm / 30–50 A	745.D018	–	–	–	–	–	–	
Ø 1.2 mm / 40–70 A	745.D010	–	–	–	–	–	–	
Ø 1.2 mm / 50 A	–	–	–	745.D066	–	–	745.D068	
Ø 1.4 mm / 70–90 A	745.D017	–	–	–	–	–	–	
Ø 1.6 mm / 90–110 A	745.D065	–	–	–	–	–	–	
Gouging nozzle	–	–	745.D067	–	–	–	–	
<b>Shield cap</b>								
	745.D026							
<b>Distance spring (2 pcs.)*</b>								
	745.D012							
<b>Bevel cutting nozzle*</b>								
	757.D040							
<b>Castellated nozzle*</b>								
	757.D046							

\* Only for manual torches.

# Plasma cutting torches "ABIPLAS® CUT" air-cooled

## Rating up to 150 A

- Robust design and optimum cooling guarantee long life of torch and consumables
- Handle with extended trigger for increased distance between plasma jet and hand, thus safer and fatigue-free working
- Quickly exchangeable consumables (including insulator)
- Large range of consumables, equipment and accessories

ABIPLAS® CUT 150

ABIPLAS® CUT 150 MT

### ABIPLAS® CUT 150 ABIPLAS® CUT 150 MT

#### Technical data (EN 60 974-7):

Cooling:	air-cooled
Rating:	150 A (at 60% duty cycle) 120 A (at 100% duty cycle)
Gas supply:	Compressed air both for plasma and cooling gas <ul style="list-style-type: none"> <li>– Gas pressure 4.8–7 bar</li> <li>– Working pressure 5.5 bar</li> <li>– Required volume 235 l/min at 5.5 bar</li> <li>– Gas post flow circa 60 sec.</li> </ul>
Ignition voltage:	7 kV
Cutting thickness:	max. 55 mm at 150 A max. 45 mm at 120 A depending on material to be cut and power source

Torch complete		Part-No.	Torch body	
Type	Connector		Type	Part-No.
ABIPLAS® CUT 150	Single connector G1/4"	757.D001	ABIPLAS® CUT 150	757.D020
ABIPLAS® CUT 150	Central connector*	757.D023	ABIPLAS® CUT 150	757.D020











Torch complete			Part-No.	Torch body	
Type	Connector	Cable support		Type	Part-No.
ABIPLAS® CUT 150 MT	Single connector G1/4"	Rubber	757.D029	ABIPLAS® CUT 150 MT	757.D028
ABIPLAS® CUT 150 MT	Single connector G1/4"	Spring	757.D026	ABIPLAS® CUT 150 MT	757.D028
ABIPLAS® CUT 150 MT	Central connector*	Rubber	757.D033	ABIPLAS® CUT 150 MT	757.D028
ABIPLAS® CUT 150 MT	Central connector*	Spring	757.D034	ABIPLAS® CUT 150 MT	757.D028

\*For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.



# ABIPLAS® CUT 150, ABIPLAS® CUT 150 MT

## Wear parts

<b>Insulator</b>			
	757.D032		
<b>Electrode (5 pcs.)</b>		<b>Standard</b>	
	757.D008		757.D017
<b>Swirl ring (2 pcs.)</b>			
	757.D060		
<b>Nozzle (5 pcs.)</b>		<b>Standard</b>	
			<b>Long cross groove</b>
Ø 1.2 mm / 50 A	757.D037	–	757.D016
Ø 1.2 mm / 70 A	757.D037	–	–
Ø 1.5 mm / 70–90 A	757.D009	–	–
Ø 1.6 mm / 90–120 A	757.D010	–	–
Ø 1.8 mm / 120–150 A	757.D011	–	–
Gouging nozzle	–	757.D015	–
<b>Shield cap</b>			
	757.D042		
<b>Distance spring (2 pcs.)*</b>			
	745.D012		
<b>Bevel cutting nozzle*</b>			
	757.D040		
<b>Castellated nozzle*</b>			
	757.D046		

\* Only for manual torches.

# Plasma cutting torches "ABIPLAS® CUT" liquid-cooled Rating up to 200 A

A striking design combined with innovative and competent technology – ABIPLAS® CUT 200 W, the liquid-cooled plasma cutting torch from ABICOR BINZEL (in manual or robot controlled version).

Directly cooled, long-life electrodes, extended life nozzles and straightforward construction with only a few easily replaceable wear-parts. These are just some of the "cutting edge" advantages of this tool.

Best possible efficiency, top cutting performance and more flexibility are results that count in day-to-day work.



**ABIPLAS® CUT 200 W MT**



**ABIPLAS® CUT 200 W**

## **ABIPLAS® CUT 200 W ABIPLAS® CUT 200 W MT**

### **Wear parts standard:**

#### Technical data (EN 60 974-7):

Cooling:	liquid-cooled
Rating:	200 A (at 100% duty cycle)
Pilot current:	15–27 A (max. 29 A)
Type of gas:	compressed air
Working pressure (flow pressure)	
Torch entry pressure (bar):	3.5–4.5
Air value defined with:	nozzle size 1.8 mm
Plasma air (l/min.):	circa 39
Soft start air (l/min.):	≥ 15
Gas post flow (sec.):	> 20

### **Wear parts special:**

#### Technical data (EN 60 974-7):

Cooling:	liquid-cooled
Rating:	160 A (at 100% duty cycle)
Pilot current:	15–27 A (max. 29 A)
Type of gas:	compressed air
Working pressure (flow pressure)	
Torch entry pressure (bar):	3.5
Air value defined with:	nozzle size 1.8 mm
Plasma air (l/min.):	circa 21
Soft start air (l/min.):	≥ 15
Gas post flow (sec.):	> 20

### **Torch complete (Wear parts standard)**

Type	Connector	Part-No.		Torch body	
		6 m	12 m	Type	Part-No.
<b>ABIPLAS® CUT 200 W</b>	Single connector	758.0050	758.0062	<b>ABIPLAS® CUT 200 W</b>	758.0060
<b>ABIPLAS® CUT 200 W MT</b>	Single connector	758.1012	758.1019	<b>ABIPLAS® CUT 200 W MT</b>	758.1016
<b>ABIPLAS® CUT 200 W</b>	Central connector*	758.0054	758.0063	<b>ABIPLAS® CUT 200 W</b>	758.0060
<b>ABIPLAS® CUT 200 W MT</b>	Central connector*	758.1015	758.1020	<b>ABIPLAS® CUT 200 W MT</b>	758.1016

### **Torch complete (Wear parts special)**

Type	Connector	Part-No.		Torch body	
		6 m	12 m	Type	Part-No.
<b>ABIPLAS® CUT 200 W</b>	Single connector	758.0052	758.0064	<b>ABIPLAS® CUT 200 W</b>	758.0060
<b>ABIPLAS® CUT 200 W MT</b>	Single connector	758.1014	758.1021	<b>ABIPLAS® CUT 200 W MT</b>	758.1016
<b>ABIPLAS® CUT 200 W</b>	Central connector*	758.0061	758.0065	<b>ABIPLAS® CUT 200 W</b>	758.0060
<b>ABIPLAS® CUT 200 W MT</b>	Central connector*	758.1018	758.1022	<b>ABIPLAS® CUT 200 W MT</b>	758.1016

\*For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 60 974-1. In case of order, please indicate the machine type and the plug encoding.

# ABIPLAS® CUT 200 W, ABIPLAS® CUT 200 W MT

## Wear parts

<b>Insulator</b>		
	757.D032	
<b>Electrode (10 pcs.)</b>	 <b>Standard</b>	 <b>Special*</b>
	758.0030	758.0031
<b>Swirl ring</b>	 <b>Standard</b>	 <b>Special*</b>
	757.D060	758.0028
<b>Nozzle (10 pcs.)</b>	 <b>Standard</b>	 <b>Special*</b>
Ø 1.2 mm	758.0035	758.0040
Ø 1.4 mm	758.0036	758.0041
Ø 1.6 mm	758.0037	758.0042
Ø 1.8 mm	758.0038	758.0043
Ø 2.0 mm	758.0039	758.0044
<b>Shield cap</b>		
	758.0020	
<b>Anti spatter shield</b>		
	758.0026	
<b>Bevel cutting nozzle**</b>		
	758.0027	

### \* Note!

The "special" version is for plasma systems without a soft start, as well as for systems where the torch has ignition problems with the "standard version".

\*\* The bevel cutting nozzle is used for the MT-version only as adjustment aid.

# Plasma cutting torches "PSB" air-cooled

## Rating up to 30 A

Plasma cutting torch PSB 31 – the sturdy and reliable classical tool for manual cutting applications with safety switch.

Depending on the equipment parts fitted and the respective cable assembly, the PSB 31 can be used with:

- Single flow systems, designed for ignition by contact (KZS)
- Single flow systems, designed for short-circuit ignition (KKS)
- Single flow systems, designed for non-contact ignition (HFS)



**PSB 31 KZS**  
**PSB 31 HFS**  
**PSB 31 KKS**

Technical data (EN 60 974-7):

Cooling: air-cooled  
 Rating: 30 A DC  
 (at 60% duty cycle)  
 Gas supply: Plasma and cooling gas  
 max. pressure 3.5–4.5 bar  
 required flow 130 l/min.  
 Gas post flow: circa 60 sec.  
 Igniting voltage: 7 kV  
 Cutting thickness: max. 10 mm,  
 depending on material to be cut and power source







Torch complete		Part-No.		Torch body	
Type	Connector	4 m	6 m	Type	Part-No.
<b>PSB 31 KZS</b>	Single gas / Ignition by contact	742.0046	742.0087	<b>PSB 31 S</b>	742.0104
<b>PSB 31 HFS</b>	Single gas / Non-contact ignition	742.0109	742.0134	<b>PSB 31 S</b>	742.0104
<b>PSB 31 KKS</b>	Single gas / Short-circuit ignition	742.0135	742.0136	<b>PSB 31 S</b>	742.0104

### Warning:




When changing consumables or other jobs at the torch, always switch off the power source.





# PSB 31 KZS / PSB 31 KKS / PSB 31 HFS

## Wear parts

	 <b>KZS version</b>	 <b>KKS version</b>	  <b>HFS version</b>	
<b>Electrode</b> (10 pcs.)				
15.0 mm	742.0015	742.0015	742.0015	-
15.5 mm Standard	742.0016	742.0016	742.0016	-
17.5 mm	-	-	-	744.0064



	 <b>KZS version</b>	<b>KKS version</b>	<b>HFS version</b>
<b>Spring</b> (10 pcs.)			
	744.0024	-	-

	 Spring sleeve <b>KZS version</b>	 Insulating sleeve <b>KKS version</b>	 Insulating sleeve <b>HFS version</b>
<b>Spring sleeve/ Insulating sleeve</b> (10 pcs.)			
	742.0025	742.0082	742.0038

	 <b>KZS version</b>	 <b>KKS version</b>	  <b>HFS version</b>	
<b>Plasma nozzle</b> (10 pcs.)				
Ø 1.0 mm	742.0011	742.0083	742.0011	742.0030
Ø 1.2 mm	742.0026	742.0105	742.0026	-

	<b>KZS version</b>	 <b>KKS version</b>	<b>HFS version</b>
<b>Spring</b> (10 pcs.)			
	-	742.0084	-

	 <b>KZS version</b>	 <b>KKS version</b>	 <b>HFS version</b>
<b>Cap</b> (10 pcs.)			
	742.0004	742.0086	742.0004

	<b>KZS version</b>	 <b>KKS version</b>	 <b>HFS version</b>
<b>Spring</b> (10 pcs.)			
	-	742.0089	742.0089

	 <b>KZS version</b>	 <b>KKS version</b>	 <b>HFS version</b>
<b>Safety clamp cpl.</b>			
	742.0099	742.0099	742.0099



# Plasma torches "PSB" air-cooled

## Rating up to 100 A

PSB 60 single flow and PSB 121 dual flow – sturdy and reliable, proven for years and still relevant:

- for manual cutting applications, with safety switch-off
- for tools with high-voltage arc-start.



**AUT PSB 60 L**

**AUT PSB 121 L**



**PSB 60 S**



**PSB 121 S**

### PSB 60 S / AUT PSB 60 L

Technical data (EN 60 974-7):

Cooling: air-cooled  
 Rating: 60 A DC (at 35% duty cycle)  
 Gas supply: Plasma and cooling gas  
 max. pressure: 5–6 bar  
 required flow: 150 l/min.  
 Gas post flow: circa 60 sec.  
 Igniting voltage: 7 kV  
 Cutting thickness: max. 15 mm

### PSB 121 S / AUT PSB 121 L

Technical data (EN 60 974-7):

Cooling: air-cooled  
 Rating: 100 A DC (at 35% duty cycle)  
 Gas supply: Plasma gas  
 max. pressure: 3.5–4.5 bar  
 required flow: 15 l/min.  
Cooling gas  
 max. pressure: 5.5–7 bar  
 required flow: 150 l/min.  
 Gas post flow: circa 60 sec.  
 Igniting voltage: 7 kV  
 Cutting thickness: max. 15 mm














Torch complete Type	Description	Part-No.		Torch body	
		4 m	6 m	Type	Part-No.
<b>PSB 60 S</b>	single gas lead with spring and spring support	745.0051	745.0038	<b>PSB 60 S</b>	745.0035
<b>AUT PSB 60 L</b>	single gas lead with spring support	–	745.0025	<b>AUT-PSB 60 L</b>	745.0021
<b>PSB 121 S</b>	dual gas lead with V-type nozzle and spring support	747.0078	747.0075	<b>PSB 121 S</b>	747.0136
<b>AUT PSB 121 L</b>	dual gas lead with spring support	–	747.0010	<b>AUT-PSB 121 L</b>	747.0005

#### Warning:

When changing consumables or other jobs at the torch, always switch off the power source.

# PSB 60 S / AUT-PSB 60 L / PSB 121 S / AUT PSB 121 L

## Wear parts

<b>Electrode</b> (10 pcs.)						
	743.0441					
<b>Plasma nozzle</b> (10 pcs.)	 					
Ø 1.0 mm	743.0122	743.0202				
Ø 1.3 mm	743.0142	743.0261				
Ø 1.5 mm	743.0132	743.0203				
Ø 1.8 mm	743.0209	743.0262				
Ø 2.0 mm	743.0355	-				
<b>Spring support/Distance sleeve</b> <b>Cutting device</b>						
	743.0131	743.0125	743.0114			
<b>Distance nozzle</b> <b>V-type nozzle</b> <b>Spring ring</b>						
	743.0267	743.0149	743.0170	743.0127	743.0168	-
<b>Distance nozzle support</b>						
	-	743.0126		-		
<b>Safety clamp cpl.</b>						
	743.0407					

# Plasma welding torches "ABIPLAS® WELD" liquid-cooled

ABIPLAS® WELD is the name of the new plasma welding torch generation for top economical efficiency from ABICOR BINZEL. Thanks to their extremely compact design, ABIPLAS® WELD torches improve accessibility even with difficult component geometries. The very stable process makes spatter-free welding and brazing possible with high-quality joint characteristics. Complicated reworking is no longer necessary. Suitable for both manual and automated applications.



**ABIPLAS® WELD  
100 W MT**



**ABIPLAS® WELD  
150 W MT**

**ABIPLAS® WELD 100 W**

**ABIPLAS® WELD 100 W  
ABIPLAS® WELD 100 W MT**

Technical data (EN 60 974-7):

Cooling:	liquid-cooled
Welding current:	3–100 A
Duty cycle:	100%
Welding speed:	Vs up to 1.5 m/min.
Electrode diameter:	0.8–3.6 mm

**ABIPLAS® WELD 150 W**

**ABIPLAS® WELD 150 W  
ABIPLAS® WELD 150 W MT**

Technische Daten nach EN 60 974-7:

Cooling:	liquid-cooled
Welding current:	15–150 A
Duty cycle:	100%
Welding speed:	Vs up to 4.0 m/min.
Electrode diameter:	1.2–3.0 mm

Torch complete Type	Version*	Part-No.		Torch body Part-No.
		4 m	8 m	
<b>ABIPLAS® WELD 100 W</b>	Central adaptor	698.0075	698.0085	698.0001
<b>ABIPLAS® WELD 100 W MT 70</b>	Central adaptor	698.1010	698.1011	698.0001
<b>ABIPLAS® WELD 100 W MT 180</b>	Central adaptor	698.1013	698.1014	698.1001
<b>ABIPLAS® WELD 150 W</b>	Central adaptor	698.2023	698.2024	698.2001
<b>ABIPLAS® WELD 150 W MT 70</b>	Central adaptor	698.3009	698.3010	698.2001
<b>ABIPLAS® WELD 150 W MT 180</b>	Central adaptor	698.3011	698.3012	698.3001

\*Other versions (single or central adaptor) available on request.

## Warning:

When changing consumables or other jobs at the torch, always switch off the power source.





# ABIPLAS® WELD 100 W / MT    ABIPLAS® WELD 150 W / MT

## Wear parts

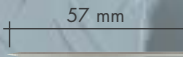
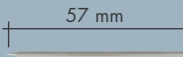
### ABIPLAS® WELD 100 W / MT

### ABIPLAS® WELD 150 W / MT



#### Torch cap

		
Ø 1.0 mm	698.0058	–
Ø 1.6 mm	698.0059	698.2033
Ø 2.4 mm	698.0016	698.2030
Ø 3.2 mm	698.0027	698.2012



#### Tungsten electrode

		
Ø 1.0 mm	698.0064	–
Ø 1.6 mm	698.0065	698.0065
Ø 2.4 mm	698.0066	698.0066
Ø 3.2 mm	698.0067	698.0067




#### Centering ceramic

		
Ø 1.0 mm	698.0054	–
Ø 1.6 mm	698.0055	698.2035
Ø 2.4 mm	699.0081	698.2032
Ø 3.2 mm	698.0029	698.2020



#### Insulating ring

		
	698.0048	699.0041




#### Plasma nozzle

			
Ø 0.8 mm	698.0060	698.0077	–
Ø 1.2 mm	698.0061	698.0078	698.2036
Ø 1.4 mm	–	–	698.2037
Ø 1.6 mm	–	–	698.2038
Ø 1.7 mm	698.0062	698.0079	–
Ø 1.8 mm	–	–	698.2014
Ø 2.0 mm	–	–	698.2015
Ø 2.3 mm	698.0019	698.0080	698.2016
Ø 2.6 mm	698.0063	698.0081	698.2017
Ø 3.0 mm	698.0030	–	698.2018
Ø 3.6 mm	698.0053	–	–



#### Gas diffusor

		
	698.0012	698.2009

#### Shielding gas nozzle

			
	698.0015	698.0082	699.0071

#### Adjust gauge

			
	698.0018	698.0083	698.2019

# Bikox, Hoses, Power-, Control- and Pilot cables

## I. Cable assembly PLASMA cutting torches air-cooled

Type	Power cable		Bikox		Pilot cable 1 pol. per m	Control cable 2 pol. per m
	4 m	6 m	4 m	6 m		
<b>ABIPLAS® CUT 70</b>	–	116.D003	–	–	100.0074	100.0099
<b>ABIPLAS® CUT 110</b>	–	116.D003	–	–	100.0074	100.0099
<b>ABIPLAS® CUT 110 MT</b>	–	116.D003	–	–	100.0074	100.0099
<b>ABIPLAS® CUT 150</b>	–	116.D004	–	–	100.0074	100.0099
<b>ABIPLAS® CUT 150 MT</b>	–	116.D004	–	–	100.0074	100.0099
<b>PSB 31 KZS</b>	–	–	189.0001	189.0004	–	–
<b>PSB 31 HFS</b>	116.0470	116.0472	–	–	100.0074	100.0099
<b>PSB 31 KKS</b>	–	–	189.0001	189.0004	–	–
<b>PSB 60 S</b>	–	–	117.0132	117.0133	100.0074	100.0099
<b>AUT PSB 60 L</b>	–	–	–	117.0020	100.0074	–
<b>PSB 121 S</b>	–	–	117.0033	117.0004	100.0074	100.0099
<b>AUT PSB 121 L</b>	–	–	–	117.0010	100.0074	–

## II. Cable assembly PLASMA cutting torches liquid-cooled

Type	Power cable SC		Power cable CC		Pilot cable 1 pol. per m	Control cable 2 pol. per m
	6 m	12 m	6 m	12 m		
<b>ABIPLAS® CUT 200 W</b>	115.0520	115.0525	115.0522	115.0526	100.0074	100.0099
<b>ABIPLAS® CUT 200 W MT</b>	115.0520	115.0525	115.0522	115.0526	100.0074	100.0099

## III. Cable assembly PLASMA welding torches liquid-cooled

Type	Power cable 1		Power cable 2		Pilot cable 1 pol. per m	Control cable 7 pol. per m
	4 m	8m	4 m	8 m		
<b>ABIPLAS® WELD 100 W</b>	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
<b>ABIPLAS® WELD 100 W MT</b>	150.0123	150.0124	150.0125	150.0126	100.0074	–
<b>ABIPLAS® WELD 150 W</b>	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
<b>ABIPLAS® WELD 150 W MT</b>	150.0123	150.0124	150.0125	150.0126	100.0074	–

## IV. Gas hoses, water hoses and outer hoses

Type	Gas hose per m	Water hose (forward) per m	Water hose (backward) per m	Outer hose	
				6 m	per m
<b>ABIPLAS® CUT 70</b>	–	–	–	107.D004	–
<b>ABIPLAS® CUT 110</b>	–	–	–	107.D004	–
<b>ABIPLAS® CUT 110 MT</b>	–	–	–	107.D004	–
<b>ABIPLAS® CUT 150</b>	–	–	–	107.D005	–
<b>ABIPLAS® CUT 150 MT</b>	–	–	–	107.D005	–
<b>ABIPLAS® CUT 200 W</b>	109.0032	109.0057	109.0056	–	107.0004
<b>ABIPLAS® CUT 200 W MT</b>	109.0032	109.0057	109.0056	–	107.0004
<b>PSB 31 KZS</b>	–	–	–	–	–
<b>PSB 31 HFS</b>	–	–	–	–	110.0018
<b>PSB 31 KKS</b>	–	–	–	–	–
<b>PSB 60 S</b>	–	–	–	–	105.0005
<b>AUT PSB 60 L</b>	–	–	–	–	105.0005
<b>PSB 121 S</b>	102.0124	–	–	–	105.0005
<b>AUT PSB 121 L</b>	102.0124	–	–	–	105.0005
<b>ABIPLAS® WELD 100 W</b>	109.0055	109.0011	109.0011	–	105.0005
<b>ABIPLAS® WELD 100 W MT</b>	109.0055	109.0011	109.0011	–	105.0005
<b>ABIPLAS® WELD 150 W</b>	109.0055	109.0011	109.0011	–	105.0005
<b>ABIPLAS® WELD 150 W MT</b>	109.0055	109.0011	109.0011	–	105.0005



# Leather hoses, Hose clamps, Handles and Modules

## V. Leather hoses and hose coupling

Type	Description	Part-No.
<b>ABIPLAS® WELD 100 W</b> <b>ABIPLAS® WELD 150 W</b>	Leather hose 0.8 m	108.0028
<b>ABIPLAS® WELD 100 W</b> <b>ABIPLAS® WELD 150 W</b>	Hose coupling complete for connecting leather and outer hose	400.0391

## VI. Hose clamps

Type	Part-No.	for hose					
	(20 pcs.)	102.0124	109.0011	109.0032	109.0055	109.0056	109.0057
<b>Hose clamp D=9.0</b> with ring (mark. 9.5)	173.0001	•		•		•	•
<b>Hose clamp D=6,2</b> with ring (mark. 6.6)	173.0006				•		
<b>Hose clamp D=7,5</b> with ring (mark. 8.0)	173.0007		•				
<b>Hose clamp D=5,7</b> with ring (mark. 6.1)	173.0008				•		

## VII. Handles, control modules, trigger, switch guard, ball and socket joint / sleeve

Typ	Handle	Control modul Up/Down	Trigger	Switch guard	Ball and socket joint / Sleeve
<b>ABIPLAS® CUT 70</b>	745.D046	–	185.D039	400.D252	–
<b>ABIPLAS® CUT 110</b>	745.D046	–	185.D039	400.D252	–
<b>ABIPLAS® CUT 150</b>	757.D003	–	185.D039	400.D252	–
<b>ABIPLAS® CUT 200 W</b>	758.D001	–	185.D039	–	–
<b>PSB 31 KZS / KKS</b>	742.0044	–	185.0010	–	002.0064
<b>PSB 31 HFS</b>	742.0044	–	185.0010	–	742.0185
<b>PSB 60 S</b>	743.0038	–	–	–	–
<b>PSB 121 S</b>	743.0038	–	–	–	–
<b>ABIPLAS® WELD 100 W</b>	180.0109	400.0940	–	–	400.0991
<b>ABIPLAS® WELD 150 W</b>	180.0109	400.0940	–	–	400.0991

## VIII. Handle tubes, Adaptors, Coupling nut, Cable support spring and Mounting

Typ	Handle tube	Adaptor for handle tube	Coupling nut	Cable support spring	Mounting complete
<b>ABIPLAS® CUT 110 MT</b>	752.0311	–	400.0137	500.0234	745.D052
<b>ABIPLAS® CUT 150 MT</b>	752.0311	–	400.0137	500.0233	745.D052
<b>ABIPLAS® CUT 200 W MT</b>	758.1008	–	–	–	780.0260
<b>AUT PSB 60 L</b>	743.0211	–	–	–	–
<b>AUT PSB 121 L</b>	743.0211	–	–	–	–
<b>ABIPLAS® WELD 100 W MT</b>	698.1009	698.0032	–	775.1341	–
<b>ABIPLAS® WELD 150 W MT</b>	698.1009	698.0032	–	775.1341	–

# Torch carriage and Condensate filter

## IX. Torch carriage

Type	Torch carriage	Extension arm		Extension arm holder	
		250 mm	440 mm	Centre pin	Thread
<b>PSB 31</b>	742.0187	743.0345	743.0346	743.0342	743.0343
<b>PSB 60 S / PSB 121 S</b>					
with distance nozzle	743.0049	743.0345	743.0346	743.0342	743.0343
with spring support	742.0027	743.0345	743.0346	743.0342	743.0343
<b>ABIPLAS® CUT 70</b>	742.D043	742.D052	–	743.0342	–
<b>ABIPLAS® CUT 110</b>	745.D070	742.D052	–	743.0342	–
<b>ABIPLAS® CUT 150</b>	745.D070	742.D052	–	743.0342	–
<b>ABIPLAS® CUT 200 W MT</b>	758.0056	742.D052	–	743.0342	–

## X. Condensate filter

Type	Part-No.
<b>Condensate filter</b>	743.0294
<b>Condensate filter for replacement</b>	743.0384

# Coolant Recirculator

The portable cooling device for all common applications!

- **Simple handling**  
Connection (feed and return) via quick-action couplings.
- **Compact design size**  
Small space requirements.
- **Sturdy design**  
Indestructible stainless steel tank and sturdy housing.
- **Service-friendly**  
Clear coolant sight glass.

■ **Cool supplement:**  
Liquid-cooled welding with air-cooled power sources



## Technical data:

Type	WK 23	WK 43
Heat exchanger:	2 lines	4 lines
Immersion pump 50 Hz (protection class IP 54)	Delivery height: Hmax. 32 m Delivery height at G3/8" connector: Qmax. 13.5 liters per min.	Delivery height: Hmax. 32 m Delivery height at G3/8" connector: Qmax. 13.5 liters per min.
Immersion pump 60 Hz (protection class IP 54)	Delivery height: Hmax. 32 m Delivery height at G3/8" connector: Qmax. 16.0 liters per min.	Delivery height: Hmax. 32 m Delivery height at G3/8" connector: Qmax. 16.0 liters per min.
Cooling capacity (RT = 22° C)	ca.1000 W at 1 liter per min.	ca.1300 W at 1 liter per min.
Dimensions (LxBxH)	253x270x460 mm	253x270x516 mm
Weight:	17 kg	18 kg
Tank capacity:	7 liters	7 liters

Type	Line Voltage	Frequency	Power Rating	Current Consumption	Part-No.
WK 23	115 V	50 Hz	0,35 kW	6,5 A	850.0214
WK 23	115 V	60 Hz	0,35 kW	6,5 A	850.0135
WK 23	230 V	50 Hz	0,35 kW	3,1 A	850.0137
WK 23	230 V	60 Hz	0,35 kW	3,1 A	850.0210
WK 23	240/415 V	50 Hz	0,50 kW	2,6/1,6 A	850.0144
WK 43	115 V	50 Hz	0,35 kW	6,5 A	850.0215
WK 43	115 V	60 Hz	0,35 kW	6,5 A	850.0156
WK 43	230 V	50 Hz	0,35 kW	3,1 A	850.0159
WK 43	230 V	60 Hz	0,35 kW	3,1 A	850.0211
WK 43	240/415 V	50 Hz	0,50 kW	2,6 A/1,6 A	850.0165

## Operating instructions

As coolant for all liquid-cooled torch systems, we recommend the special BINZEL coolant BTC-15, which remains liquid down to -10°C. Must be used in conjunction with an adequate motor protection device. A water flow cut-off switch (850.0033) is recommended.

# Welding and cutting accessories

## To achieve the best results ...

... one of the things which will help you to achieve the best results in the welding and cutting process is to use professional accessories. When ideally tailored to the task, they provide the basis for operational safety and long service life. High-quality welding accessories increase the output and reliability of your torch.

To achieve perfect results, don't leave anything to chance. Rely on original welding accessories from ABICOR BINZEL.



- 2 Inert sleeve**  
BEB 10-25  
Part-no.: 511.0004
- 3 Inert sleeve**  
BEB 35-50  
Part-no.: 511.0014
- 4 Inert sleeve**  
BEB 50-70  
Part-no.: 511.0030
- 5 Inert sleeve**  
BEB 70-95  
Part-no.: upon request
- 6 Welding cable plug**  
BSB 10-25  
Part-no.: 511.0005
- 7 Welding cable plug**  
BSB 35-50  
Part-no.: 511.0015
- 8 Welding cable plug**  
BSB 50-70  
Part-no.: 511.0031
- 9 Welding cable plug**  
BSB 70-95  
Part-no.: 511.0042

- 10 Welding cable socket**  
BB 10-25  
Part-no.: 511.0003
- 11 Welding cable socket**  
BB 35-50  
Part-no.: 511.0013
- 12 Welding cable socket**  
BB 50-70  
Part-no.: 511.0029
- 13 Welding cable socket**  
BB 70-95  
Part-no.: 511.0040
- 14 Insert plug**  
BKB 10-25  
Part-no.: 511.0006
- 15 Insert plug**  
BKB 35-50  
Part-no.: 511.0016
- 16 Insert plug**  
BKB 50-70  
Part-no.: 511.0032
- 17 Insert plug**  
BKB 70-95  
Part-no.: upon request



# Welding and cutting accessories



## 18 Special coolant BTC-15

The special coolant from BINZEL protect down to minus 10°C for all liquid welding and cutting facilities.

Part-no.:

5 litre 192.0110

20 litre 192.0111

200 litre 192.0112

## 19 Spigot

Part-no.: 192.0109  
for 200 litre barrel



## 20 Spanner

Part-no.: 191.0001

## 21 Multiple spanner

Part-no.: 191.0015

## 22 Universal spanner

Part-no.: 750.0125

## 23 Electrode spanner

Part-no.: 743.0064



## 24 TIG-Handy-Support (FIX)

Part-no.: 193.0019  
(suitable for ABIPLAS® WELD 100 W and 150 W)

## 25 2 component glue

Part-no.: 191.0005

## 26 Special glue for rubber and plastic

Part-no.: 191.0034



## 27 Accessories case big

Part-no.: 192.0069

## 28 Accessories case small

Part-no.: 192.0066







Welding & cutting brought to the point.

## Our product range:

### ■ MIG/MAG

- Welding Torches
- Automatic and Special Torches
- Push-Pull Welding Torches
- Fume Extraction Torches
- Central Adaptor System

### ■ TIG

- Welding Torches
- Automatic and Special Torches

### ■ PLASMA

- Cutting Torches
- Welding Torches
- Automatic and Special Torches

### ■ Robotic Peripheral Equipment

- Robot Torches  
MIG/TIG/Plasma
- Robot Mount CAT2
- Torch Change System ATS-Rotor
- Tool Change System WWS
- Wire Cutting Station DAV
- Torch Cleaning Station  
BRS-LC and BRS-FP
- Wire Feeding Station APD-MF

### ■ Welding Accessories

- Cooling Device
- Welding Cable Plug and Socket
- Anti Spatter Spray and Paste  
and so on ...



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