



PLASMA



Catalogue 2006/2007

Technology for the Welder's World.





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Plasma cutting torches "ABIPLAS® CUT" air-cooled

Rating up to 70 A

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

Thanks to a large selection of plasma nozzles, electrodes and accessory parts, ABICOR BINZEL plasma cutting torches are suitable for individual continual use even under the toughest of conditions. Special torches are available for automated applications.

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

ABIPLAS® CUT 70



ABIPLAS® CUT MT 70

ABIPLAS® CUT 70 ABIPLAS® CUT MT 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 <ul style="list-style-type: none"> – Gas pressure 4.8–7.0 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			Torch body	
Type	Connector	Part-No. 6 m*	Type	Part-No.
ABIPLAS® CUT 70	Single connector G1/4"	742.D004	ABIPLAS® CUT 70	742.D022
ABIPLAS® CUT 70	Central connector**	742.D037	ABIPLAS® CUT 70	742.D022
ABIPLAS® CUT MT 70	Single connector G1/4"	742.D110	ABIPLAS® CUT MT 70	742.D109
ABIPLAS® CUT MT 70	Central connector**	742.D111	ABIPLAS® CUT MT 70	742.D109

* Other lengths on request.

** 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 70, ABIPLAS® CUT MT 70

Wear parts

Insulator				
	742.D012			
Electrode				
	Standard (10 pcs.)		Long (5 pcs.)	
	742.D056		742.D057	
Swirl ring (2 pcs.)				
	742.D073			
Nozzle				
	Standard (10 pcs.)	Standard cross groove (10 pcs.)	Long (5 pcs.)	Long cross groove (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	–	–	–
Shield cap				
	742.D078			
Spatter guard				
	742.D113			
Distance spring (2 pcs.)				
	742.D010			
Bevel cutting nozzle				
	742.D114			
Castellated nozzle long				
	742.D060			
Perforation cap				
	742.D063			

Plasma cutting torches "ABIPLAS® CUT" air-cooled

Rating up to 110 A

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

ABIPLAS® CUT 110

ABIPLAS® CUT MT 110

ABIPLAS® CUT 110 ABIPLAS® CUT MT 110

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"> – Gas pressure 4.8–7.0 bar – Working pressure 5.5 bar – Required volume 180 l/min at 5.5 bar – Gas post flow circa 60 sec.
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
ABIPLAS® CUT MT 110	Single connector G1/4"	745.D035	ABIPLAS® CUT MT 110	745.D051
ABIPLAS® CUT MT 110	Central connector**	745.D059	ABIPLAS® CUT MT 110	745.D051

* Other lengths on request.

** 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 MT 110

Wear parts

Insulator					
		745.D020			
Electrode (5 pcs.)	Standard			Long	
		745.D008		745.D016	
Swirl ring (2 pcs.)					
		745.D113			
Nozzle (5 pcs.)	Standard		Gouging nozzle		Long cross groove
					
	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	–	–	
Cap body					
		745.D204			
Spatter guard					
		757.D092			
Distance spring* (2 pcs.)					
		745.D012			
Bevel cutting nozzle*					
		757.D090			
Perforation cap*					
		757.D098			

* Only for manual torches.

Plasma cutting torches "ABIPLAS® CUT" air-cooled

Rating up to 150 A

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

ABIPLAS® CUT 150



ABIPLAS® CUT MT 150

ABIPLAS® CUT 150 ABIPLAS® CUT MT 150

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 – Gas pressure 4.8–7.0 bar – Working pressure 5.5 bar – Required volume 235 l/min at 5.5 bar – Gas post flow circa 60 sec.
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			Torch body	
Type	Connector	Part-No. 6 m*	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
ABIPLAS® CUT MT 150	Single connector G1/4"	757.D029	ABIPLAS® CUT MT 150	757.D028
ABIPLAS® CUT MT 150	Central connector**	757.D033	ABIPLAS® CUT MT 150	757.D028

* Other lengths on request.

** 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 MT 150

Wear parts

Insulator			
	757.D032		
Electrode (5 pcs.)	Standard		Long
	757.D008		757.D017
Swirl ring (2 pcs.)			
	757.D060		
Nozzle (5 pcs.)	Standard		Gouging nozzle
			Long cross groove
Ø 1.2 mm / 50 A	757.D037	–	–
Ø 1.2 mm / 70 A	757.D009	–	–
Ø 1.5 mm / 70–90 A	757.D010	–	–
Ø 1.6 mm / 90–120 A	757.D011	–	–
Ø 1.8 mm / 120–150 A	–	757.D015	–
Gouging nozzle	–		–
Cap body			
	757.D091		
Spatter guard			
	757.D092		
Distance ring* (2 pcs.)			
	745.D012		
Bevel cutting nozzle*			
	757.D090		
Perforation cap*			
	757.D098		

* Only for manual torches.

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

A striking design featuring innovative technology – ABIPLAS® CUT 200 W the liquid-cooled plasma cutting torch from ABICOR BINZEL (in manual or robotic compatible 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" highlights of this product.

Highly efficient, superb cutting performance and flexibility, these are the features that count in day-to-day production.



ABIPLAS® CUT MT 200 W



ABIPLAS® CUT 200 W

ABIPLAS® CUT 200 W ABIPLAS® CUT MT 200 W

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.
ABIPLAS® CUT 200 W	Single connector	758.0050	758.0062	ABIPLAS® CUT 200 W	758.0060
ABIPLAS® CUT MT 200 W	Single connector	758.1012	758.1019	ABIPLAS® CUT MT 200 W	758.1016
ABIPLAS® CUT 200 W	Central connector*	758.0054	758.0063	ABIPLAS® CUT 200 W	758.0060
ABIPLAS® CUT MT 200 W	Central connector*	758.1015	758.1020	ABIPLAS® CUT MT 200 W	758.1016

Torch complete (Wear parts special)

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

Wear parts

Insulator			
		757.D032	
Electrode (10 pcs.)		Standard	Special*
		758.0030	758.0031
Swirl ring (2 pcs.)		Standard	Special*
		757.D060	758.0028
Nozzle (10 pcs.)		Standard	Special*
	Ø 1.2 mm / 40–70 A	758.0035	758.0040
	Ø 1.4 mm / 70–90 A	758.0036	758.0041
	Ø 1.6 mm / 90–120 A	758.0037	758.0042
	Ø 1.8 mm / 120–160 A	758.0038	758.0043
	Ø 2.0 mm / 160–200 A	758.0039	758.0044
Gouging nozzle**			
		758.0073	
Shield cap			
		758.0020	
Spatter guard			
		758.0026	
Distance holder		Perforation cap	
		758.0070	
		Bevel cutting nozzle***	
		758.0027	
		Castellated nozzle	
			758.0069

* **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".

** Max. 150 A.

*** 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.
PSB 31 KZS	Single gas / Ignition by contact	742.0046	742.0087	PSB 31 S	742.0104
PSB 31 HFS	Single gas / Non-contact ignition	742.0109	742.0134	PSB 31 S	742.0104
PSB 31 KKS	Single gas / Short-circuit ignition	742.0135	742.0136	PSB 31 S	742.0104

Warning! Security advice:




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




	 KZS version	 KKS version	  HFS version	
Electrode (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



	 KZS version	KKS version	HFS version
Spring (10 pcs.)			
	744.0024	-	-

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

	 KZS version	 KKS version	  HFS version	
Plasma nozzle (10 pcs.)				
Ø 1.0 mm / 30-40 A	742.0011	742.0083	742.0011	742.0030
Ø 1.2 mm / 40-50 A	742.0026	742.0105	742.0026	-

	KZS version	 KKS version	HFS version
Spring (10 pcs.)			
	-	742.0084	-

	 KZS version	 KKS version	 HFS version
Cap (10 pcs.)			
	742.0004	742.0086	742.0004

	KZS version	 KKS version	 HFS version
Spring (10 pcs.)			
	-	742.0089	742.0089

	 KZS version	 KKS version	 HFS version
Safety clamp cpl.			
	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 cut 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: 5.0–6.0 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: 5.5–7.0 bar
 required flow: 150 l/min.
 Gas post flow: circa 60 sec.
 Igniting voltage: 7 kV
 Cutting thickness: max. 15 mm

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

Warning! Security advice:

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

Electrode (10 pcs.)



743.0441

Plasma nozzle (10 pcs.)



Ø 1.0 mm / 30–40 A	743.0122	743.0202
Ø 1.3 mm / 50–60 A	743.0142	743.0261
Ø 1.5 mm / 70–80 A	743.0132	743.0203
Ø 1.8 mm / 90–100 A	743.0209	743.0262
Ø 2.0 mm / over 100 A	743.0355	–



Spring support/Distance sleeve Cutting device

Spring support

Distance sleeve

Cutting device (bevel cuts)

743.0131

743.0125

743.0114



Distance nozzle V-type nozzle Spring ring

V-type distance nozzle for spring support

Spring ring

Distance nozzle

Distance nozzle

V-type distance nozzle

743.0267

743.0149

743.0170

743.0127

743.0168

–

Distance nozzle support



–

743.0126

–

Safety clamp cpl.



743.0407

Plasma welding torches "ABIPLAS® WELD" liquid-cooled

ABIPLAS® WELD the name of the new plasma welding torch generation, economical and efficient, from ABICOR BINZEL. Thanks to their compact design ABIPLAS® WELD torches improve accessibility even on difficult component geometries. The very stable process permits spatter free welding and brazing, with high quality joint characteristics. Suitable for both manual and automated welding.



**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
Required cooling capacity:	1.1 KW

ABIPLAS® WELD 150 W

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

Technical data (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
Required cooling capacity:	1.5 KW

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

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

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

Wear parts

ABIPLAS® WELD 100 W / MT

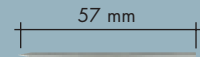
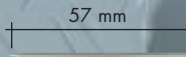
ABIPLAS® WELD 150 W / MT

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
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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	698.2057
Ø 1.7 mm	698.0062	698.0079	–	–
Ø 1.8 mm	–	–	698.2014	–
Ø 2.0 mm	–	–	698.2015	698.2058
Ø 2.3 mm	698.0019	698.0080	698.2016	–
Ø 2.6 mm	698.0063	698.0081	698.2017	698.2059
Ø 3.0 mm	698.0030	–	698.2018	–
Ø 3.6 mm	698.0053	–	–	–

Gas diffusor



	698.0012	698.2009
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Shielding gas nozzle



	698.0015	698.0082	699.0071	698.2060
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Adjust gauge



	698.0018	698.0083	698.2019	698.2062
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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 per m	
	4 m	6 m	4 m	6 m		2-pol.	3-pol.
ABIPLAS® CUT 70	–	116.D003	–	–	100.0074	–	100.0100
ABIPLAS® CUT MT 70	–	116.D003	–	–	100.0074	–	100.0100
ABIPLAS® CUT 110	–	116.D003	–	–	100.0074	–	100.0100
ABIPLAS® CUT MT 110	–	116.D003	–	–	100.0074	–	100.0100
ABIPLAS® CUT 150	–	116.D004	–	–	100.0074	–	100.0100
ABIPLAS® CUT MT 150	–	116.D004	–	–	100.0074	–	100.0100
PSB 31 KZS/KKS	–	–	189.0001	189.0004	–	–	–
PSB 31 HFS	116.0470	116.0472	–	–	100.0074	100.0099	–
PSB 60 S	–	–	117.0132	117.0133	100.0074	100.0099	–
AUT PSB 60 L	–	–	–	117.0020	100.0074	–	–
PSB 121 S	–	–	117.0033	117.0004	100.0074	100.0099	–
AUT PSB 121 L	–	–	–	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		
ABIPLAS® CUT 200 W	115.0520	115.0525	115.0522	115.0526	100.0074	100.0099
ABIPLAS® CUT MT 200 W	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		
ABIPLAS® WELD 100 W	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD MT 100 W	150.0123	150.0124	150.0125	150.0126	100.0074	–
ABIPLAS® WELD 150 W	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD MT 150 W	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 (feed) per m	Water hose (return) per m	Outer hose	
				6 m	per m
ABIPLAS® CUT 70	–	–	–	107.D004*	–
ABIPLAS® CUT MT 70	–	–	–	107.D004*	–
ABIPLAS® CUT 110	–	–	–	107.D004*	–
ABIPLAS® CUT MT 110	–	–	–	107.D004*	–
ABIPLAS® CUT 150	–	–	–	107.D005*	–
ABIPLAS® CUT MT 150	–	–	–	107.D005*	–
ABIPLAS® CUT 200 W	109.0032	109.0057	109.0056	–	107.0004
ABIPLAS® CUT MT 200 W	109.0032	109.0057	109.0056	–	107.0004
PSB 31 KZS/KKS	–	–	–	–	–
PSB 31 HFS	–	–	–	–	110.0018
PSB 60 S	–	–	–	–	105.0005
AUT PSB 60 L	–	–	–	–	105.0005
PSB 121 S	102.0124	–	–	–	105.0005
AUT PSB 121 L	102.0124	–	–	–	105.0005
ABIPLAS® WELD 100 W	109.0055	109.0011	109.0011	–	105.0005
ABIPLAS® WELD MT 100 W	109.0055	109.0011	109.0011	–	105.0005
ABIPLAS® WELD 150 W	109.0055	109.0011	109.0011	–	105.0005
ABIPLAS® WELD MT 150 W	109.0055	109.0011	109.0011	–	105.0005

* Only for single connection. Central connection on request.

Leather hoses, Hose clamps, Handles and Modules

V. Leather hoses and hose coupling

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

VI. Hose clamps

Type	Part-No.	for hose					
	(20 pcs.)	102.0124	109.0011	109.0032	109.0055	109.0056	109.0057
Hose clamp D=9.0 with ring (mark. 9.5)	173.0001	•		•		•	•
Hose clamp D=6.2 with ring (mark. 6.6)	173.0006				•		
Hose clamp D=7.5 with ring (mark. 8.0)	173.0007		•				
Hose clamp D=5.7 with ring (mark. 6.1)	173.0008				•		

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

Type	Handle	Control module Up/Down	Trigger	Switch guard	Ball and socket joint / Sleeve
ABIPLAS® CUT 70	745.D046	–	185.D065	400.D252	–
ABIPLAS® CUT 110	745.D046	–	185.D065	400.D252	–
ABIPLAS® CUT 150	757.D003	–	185.D065	400.D252	–
ABIPLAS® CUT 200 W	758.D001	–	185.D039	–	–
PSB 31 KZS / KKS	742.0044	–	185.0010	–	002.0064
PSB 31 HFS	742.0044	–	185.0010	–	742.0185
PSB 60 S	743.0038	–	–	–	–
PSB 121 S	743.0038	–	–	–	–
ABIPLAS® WELD 100 W	180.0109	400.0940	–	–	400.0991
ABIPLAS® WELD 150 W	180.0109	400.0940	–	–	400.0991

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

Type	Handle tube	Adaptor for handle tube	Coupling nut	Cable support spring	Mounting complete
ABIPLAS® CUT MT 70	757.D087	–	500.D049	–	757.D089
ABIPLAS® CUT MT 110	757.D087	–	500.D049	–	757.D089
ABIPLAS® CUT MT 150	757.D087	–	400.0137	–	757.D089
ABIPLAS® CUT MT 200 W	758.1008	–	–	–	780.0260
AUT PSB 60 L	743.0211	–	–	–	–
AUT PSB 121 L	743.0211	–	–	–	–
ABIPLAS® WELD MT 100 W	698.1017	698.0032	–	775.1341	–
ABIPLAS® WELD MT 150 W	698.1017	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
PSB 31	742.0187	743.0345	743.0346	743.0342	743.0343
PSB 60 S / PSB 121 S					
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
ABIPLAS® CUT 70	742.D043	742.D052	–	743.0342	–
ABIPLAS® CUT 110	745.D070	742.D052	–	743.0342	–
ABIPLAS® CUT 150	745.D070	742.D052	–	743.0342	–
ABIPLAS® CUT MT 200 W	758.0056	742.D052	–	743.0342	–

X. Condensate filter

Type	Part-No.
Condensate filter	743.0294
Condensate filter for replacement	743.0384

Coolant Recirculator

The portable cooling device for all common applications!

- **Simple handling**
Connection (feed and return) via quick-action couplings.
- **Compact**
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



WK 23

WK 43

Technical data:

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

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:

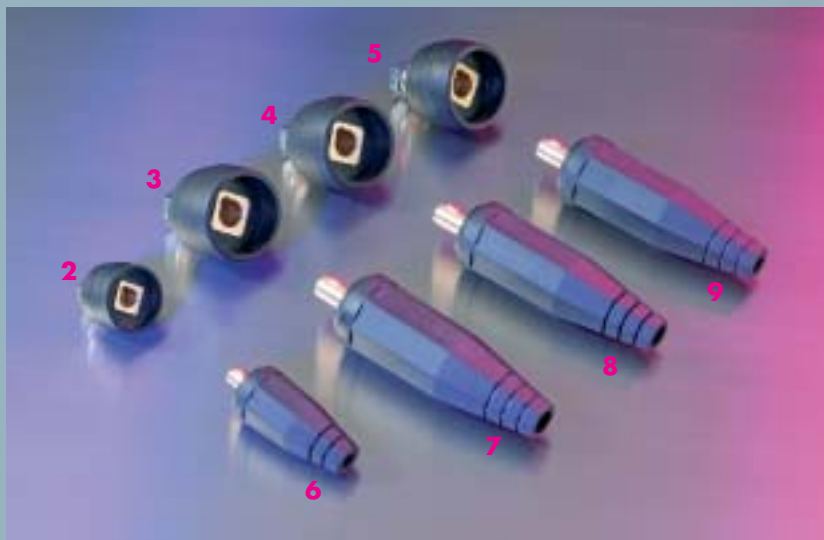
As coolant for all liquid-cooled torch systems, we recommend the special BINZEL coolant BTC-15, which remains liquid down to -10°C. Must be used in conjunction with an adequate motor protection device. A water flow cut-off switch (850.0033) is recommended.

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.

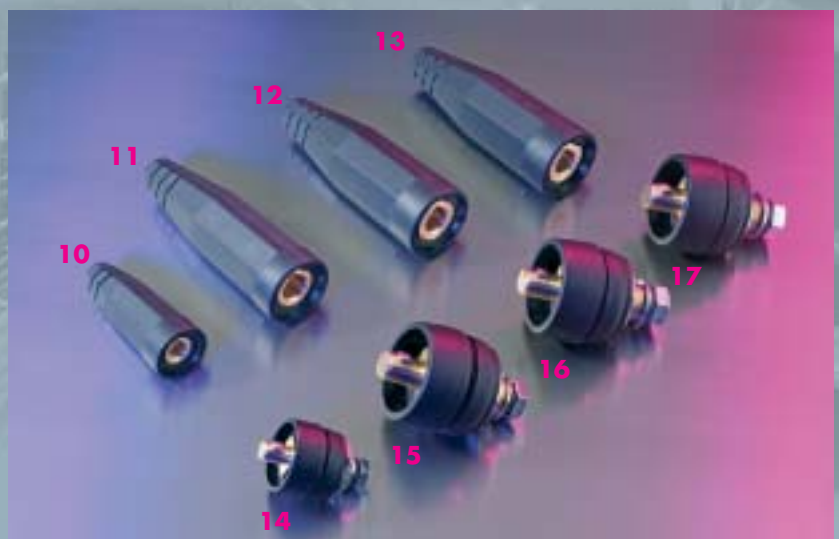
To achieve perfect results, don't leave anything to chance.
Rely on original welding accessories from ABICOR BINZEL.



- 2 Panel socket
ABI-IF 10-25**
Part-no.: 511.0304
- 3 Panel socket
ABI-IF 35-50**
Part-no.: 511.0314
- 4 Panel socket
ABI-IF 50-70**
Part-no.: 511.0330
- 5 Panel socket
ABI-IF 70-95**
Part-no.: 511.0309

- 6 Cable plug
ABI-CM 10-25**
Part-no.: 511.0305
- 7 Cable plug
ABI-CM 35-50**
Part-no.: 511.0315
- 8 Cable plug
ABI-CM 50-70**
Part-no.: 511.0331
- 9 Cable plug
ABI-CM 70-95**
Part-no.: 511.0342

- 10 Cable socket
ABI-CF 10-25**
Part-no.: 511.0303
- 11 Cable socket
ABI-CF 35-50**
Part-no.: 511.0313
- 12 Cable socket
ABI-CF 50-70**
Part-no.: 511.0329
- 13 Cable socket
ABI-CF 70-95**
Part-no.: 511.0340
- 14 Panel plug
ABI-IM 10-25**
Part-no.: 511.0306
- 15 Panel plug
ABI-IM 35-50**
Part-no.: 511.0316
- 16 Panel plug
ABI-IM 50-70**
Part-no.: 511.0332
- 17 Panel plug
ABI-IM 70-95**
Part-no.: 511.0320



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 Tap

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





Technology for the Welder's World.

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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