

Plasma Welding Torches "ABIPLAS® WELD" liquid cooled

ABIPLAS® WELD the 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 machine welding.



ABIPLAS® WELD 100 W

ABIPLAS® WELD 150 W



ABIPLAS® WELD
100 W MT

ABIPLAS® WELD
150 W MT

ABIPLAS® WELD 100 W ABIPLAS® WELD 100 W MT

Technical data (EN 60 974-7):

Type of 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 MT

Technical data (EN 60 974-7):

Type of cooling:	liquid cooled
Welding current:	15-150 A
Duty cycle:	100%
Welding speed:	Vs bis 4.0 m/min.
Electrode diameter:	1.2-3.0 mm
Required cooling capacity:	1.5 KW

Torch complete Type	Connector ¹	Part-No.	
		4 m	8 m
ABIPLAS® WELD 100 W	Central connector	698.0075	698.0085
ABIPLAS® WELD 100 W MT 70	Central connector	698.1010	698.1011
ABIPLAS® WELD 100 W MT	Central connector	698.1013	698.1014
ABIPLAS® WELD 150 W	Central connector	698.2023	698.2024
ABIPLAS® WELD 150 W MT 70	Central connector	698.3009	698.3010
ABIPLAS® WELD 150 W MT	Central connector	698.3011	698.3012

Torch body Type	Part-No.
ABIPLAS® WELD 100 W	698.0001
ABIPLAS® WELD 100 W MT 70	698.0134
ABIPLAS® WELD 100 W MT	698.1001
ABIPLAS® WELD 150 W	698.2001
ABIPLAS® WELD 150 W MT 70	698.2080
ABIPLAS® WELD 150 W MT	698.3001

¹ Other versions (single or central adaptor) available on request.



ABIPLAS® WELD 100 W / MT

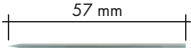
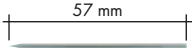
ABIPLAS® WELD 150 W / MT



Wear parts

ABIPLAS® WELD 100 W / MT





ABIPLAS® WELD 150 W / MT

		
Torch cap (1 pc.)		
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 (10 pcs.)		
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 (1 pc.)		
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 (1 pc.)		
	698.0048	699.0041

				
Nozzle	(10 pcs.)	(10 pcs.)	(10 pcs.)	(5 pcs.)
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	-	698.2086	-

		
Gas diffuser (2 pcs.)		
	698.0012.2	698.2009.2

					
Shielding gas nozzle (10 pcs.)					
	698.0015	698.0082	699.0071	698.2087.10	698.2060

				
Adjust gauge (1 pc.)				
	698.0018	698.0083	698.2019	698.2062

Cable assembly components and Cable assemblies

I. Cable assembly components Plasma Cutting Torches air cooled

Type	Power cable		Pilot cable 1 pole per 100 m	Control cable per 100 m	
	4 m	6 m		2 pole	3 pole
ABIPLAS® CUT 70	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 70 MT	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 110	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 110 MT	-	116.D003	100.0074	-	100.0100
ABIPLAS® CUT 150	-	116.D004	100.0074	-	100.0100
ABIPLAS® CUT 150 MT	-	116.D004	100.0074	-	100.0100
PSB 31 KZS/KKS	116.0470	116.0472	-	100.0099	-
PSB 31 HFS	116.0470	116.0472	100.0074	100.0099	-
PSB 60 S	116.0592	116.0299	100.0074	100.0099	-
AUT PSB 60 L	-	116.0299	100.0074	-	-
PSB 121 S	-	116.0098	100.0074	100.0099	-
AUT PSB 121 L	-	116.0106	100.0074	-	-

II. Cable assemblies Plasma Cutting Torches air cooled

Type	Description	4 m		6 m	
				Single connector	Central connector
ABICUT 25K	4-core	748.0045.1	-	-	-
ABICUT 25K	2-core	748.0055.1	-	-	-
ABICUT 45		-	748.0044.1	748.0057.1	
ABICUT 75	Standard / HF	-	748.0123.1	748.0123.1	
ABICUT 75	Coaxial cable / Standard / HF	-	-	748.0134.1	

III. Cable assembly components Plasma Cutting Torches liquid cooled

Type	Power cable SC		Power cable CC		Pilot cable 1 pole per 100 m	Control cable 2 pole per 100 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 200 W MT	115.0520	115.0525	115.0522	115.0526	100.0074	100.0099

IV. Cable assembly components Plasma Welding Torches liquid cooled

Type	Power cable 1		Power cable 2		Pilot cable 1 pole per 100 m	Control cable 7 pole per 100 m
	4 m	8 m	4 m	8 m		
ABIPLAS® WELD 100 W	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD 100 W MT	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD 150 W	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112
ABIPLAS® WELD 150 W MT	150.0123	150.0124	150.0125	150.0126	100.0074	100.0112