

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, ABICOBINZEL 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) – easy handling
- ✘ Large range of consumables, equipment and accessories – for all cutting tasks

ABIPLAS[®] CUT 70



ABIPLAS[®] CUT 70 MT



ABIPLAS[®] CUT 70

ABIPLAS[®] CUT 70 MT

Technical data (EN 60 974-7):

- Type of cooling: air cooled
- Pilot current: 15–22 A (max. 25 A)
- Rating: 70 A (at 60 % Duty cycle)
50 A (at 100 % Duty cycle)
- Type of gas: Compressed air
- Gas flow: approx. 155 l/min.
- Working pressure: 5–5.5 bar
- Air value defined with nozzle size 1.1 mm:
 - Plasma air: approx. 22 l/min.
 - Soft start air: ≥ 12 l/min.
- Gas post flow: ≥ 60 sec.
- Type of ignition: HF
- Gas supply: Compressed air both for plasma and cooling gas
- Ignition voltage: 7 kV
- Cutting thickness: max. 25 mm at 70 A depending on material to be cut and power source

Torch complete		Part-No.
Type	Connector	6 m ¹
ABIPLAS [®] CUT 70	Single connector G1/4"	742.D004
ABIPLAS [®] CUT 70	Central connectør	742.D037
ABIPLAS [®] CUT 70 MT	Single connector G1/4"	742.D110
ABIPLAS [®] CUT 70 MT	Central connectør	742.D111















Torch body		Part-No.
Type		
ABIPLAS [®] CUT 70		742.D022
ABIPLAS [®] CUT 70		742.D022
ABIPLAS [®] CUT 70 MT		742.D109
ABIPLAS [®] CUT 70 MT		742.D109

¹ Other lengths on request.

² 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 70 MT

Wear parts

Insulator (2 pcs.)				
	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 (1 pc.)				
	742.D078			
Spatter guard (1 pc.)				
	742.D113			
Distance holder ¹ (2 pcs.)	 Distance spring			
	742.D010	–	–	–
Distance holder ¹ (1 pc.)	 Bevel cutting nozzle			
	742.D114	–	–	–
Distance holder ¹ (1 pc.)	 Castellated nozzle long			
	–	–	742.D060	–
Distance holder ¹ (2 pcs.)	 Perforation cap			
	742.D063	–	–	–

¹ Only for manual torches.