

MIG/MAG welding torches Push-Pull Plus

Air and liquid cooled



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.



The screw-type torch necks can be replaced quickly. They are available as either straight or 45° angled versions. A special interface between the handle and the torch neck makes it possible to turn the necks up to 360°. All torches, both air and liquid-cooled for capacities of up to 400 A, are based on the tried-and-trusted "MB" torch neck design.

The main areas of application for these welding torches include wharfs, manufacturers of containers and ships etc., as well as in vehicle and wagon building. Wherever exact and constant wire feeding is an absolute must.

The welding torches of the Push-Pull Plus series, specially developed for aluminum 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

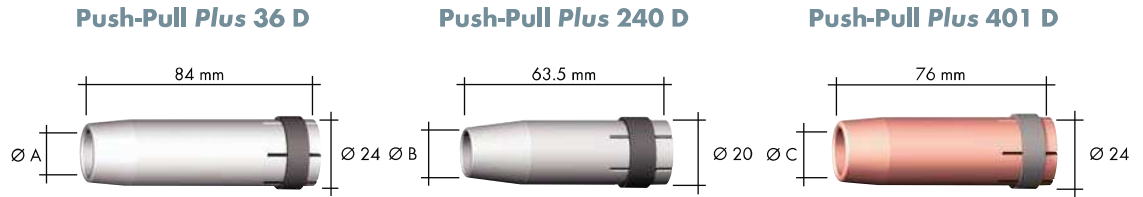
Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO ₂	Mixed gas M21		
Push-Pull Plus 36 D	air	300 A	270 A	60	0.8-1.2
Push-Pull Plus 240 D	liquid	270 A	240 A	100	0.8-1.2
Push-Pull Plus 401 D	liquid	400 A	350 A	100	0.8-1.2

Type	Part-No.		Part-No.
	8 m without Poti	8 m with Poti	Swan neck
Push-Pull Plus 36 D; straight; GZ-2	085.0104.1	085.0106.1	085.0116.1
Push-Pull Plus 36 D; 45° bend; GZ-2	085.0105.1	085.0107.1	085.0117.1
Push-Pull Plus 240 D; straight; WZ-2	095.0110.1	095.0119.1	095.0040.1
Push-Pull Plus 240 D; 45° bend; WZ-2	095.0111.1	095.0120.1	095.0052.1
Push-Pull Plus 401 D; straight; WZ-2	095.0100.1	095.0114.1	095.0002
Push-Pull Plus 401 D; 45° bend; WZ-2	095.0101.1	095.0115.1	095.0015

Wire feeding roll	Ø 0.8	Ø 1.0	Ø 1.2
ST/AL	095.0064.1	095.0065.1	095.0066.1

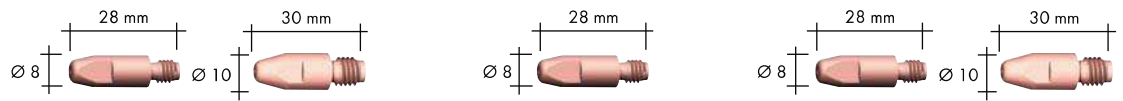
Push-Pull Plus 36 D, Push-Pull Plus 240 D, Push-Pull Plus 401 D

Wear parts



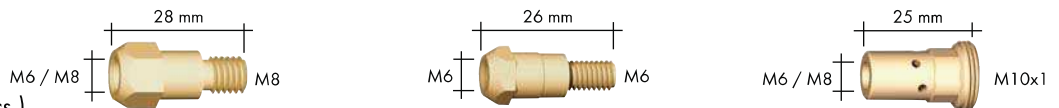
Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 19	145.0045	Ø 17	145.0047	Ø 20	145.0051
Conical	Ø 16	145.0078 ¹	Ø 12.5	145.0080 ²	Ø 16	145.0085 ³
Tapered	Ø 12	145.0126	Ø 10	145.0128	Ø 14	145.0132



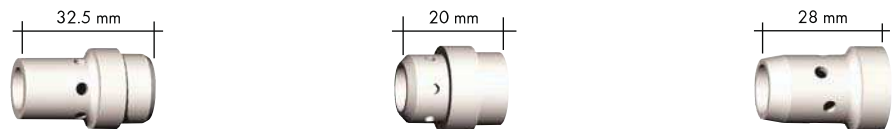
Contact tip (10 pcs.)

	M6		M8		M6		M6		M8	
E-Cu	Ø 0.8	140.0051	140.0114		140.0051		140.0051		140.0114	
	Ø 1.0	140.0242	140.0313		140.0242		140.0242		140.0313	
	Ø 1.2	140.0379	140.0442 ¹		140.0379 ²		140.0379		140.0442 ³	
E-Cu for Al	Ø 0.8	141.0001	141.0003		141.0001		141.0001		141.0003	
	Ø 1.0	141.0006	141.0008		141.0006		141.0006		141.0008	
	Ø 1.2	141.0010	141.0015		141.0010		141.0010		141.0015	
CuCrZr	Ø 0.8	140.0054	140.0117		140.0054		140.0054		140.0117	
	Ø 1.0	140.0245	140.0316		140.0245		140.0245		140.0316	
	Ø 1.2	140.0382	140.0445		140.0382		140.0382		140.0445	



Contact tip holder (10 pcs.)

M6	142.0005	142.0003 ²	142.0008
M8	142.0020 ¹	-	142.0022 ³



Gas diffuser (10 pcs.)

Standard	014.0261 ¹	012.0183 ²	030.0145 ³
Long life	014.0026	-	030.0037
Ceramic	014.0023	-	030.0190

Liner

Neck liner ⁴ 0.8-1.0 mm	149.0260.3	149.0264.3	149.0264.3
Neck liner ⁴ 1.2 mm	149.0261.3 ¹	149.0265.3 ²	149.0265.3 ³
Neck liner ⁵ 0.8-1.0 mm	149.0262.3	149.0266.3	149.0266.3
Neck liner ⁵ 1.2 mm	149.0263.3 ¹	149.0267.3 ²	149.0267.3 ³
Liner blank 0.8 mm	122.0010	122.0010	122.0010
Liner blank 1.0-1.2 mm	122.0040	122.0040	122.0040
Liner insulated 0.8 mm	124.0169	124.0169	124.0169
PTFE liner 0.8 mm	126.0013	126.0013	126.0013
PTFE liner 1.0-1.2 mm	126.0030	126.0030	126.0030
Carb. PTFE liner 0.8 mm	127.0015	127.0015	127.0015
Carb. PTFE l. 1.0-1.2 mm	127.0009	127.0009	127.0009
PA liner 1.0-1.2 mm	128.0019 ¹	128.0019 ²	128.0019 ³

¹ Included in the standard equipment for complete torches Push-Pull Plus 36 D.

² Included in the standard equipment for complete torches Push-Pull Plus 240 D.

³ Included in the standard equipment for complete torches Push-Pull Plus 401 D.

⁴ For straight torch necks (0°).

⁵ For bended torch necks (45°).