

ROBO CATALOGUE 4.7



**Robotic joining technology for all
metalworking industries**

ABIROB® W – liquid cooled

Torch necks & wear parts

ABIROB® W 500

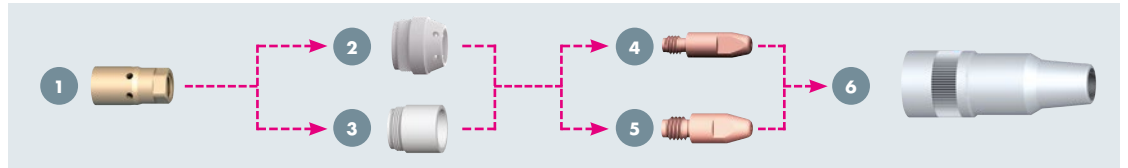


Torch neck

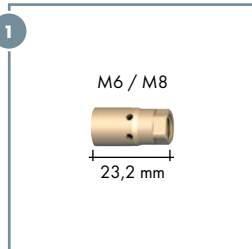
Features	Part-No.			
	0°	22°	35°	45°
Standard	782.0080.1	782.0076.1	782.0077.1	782.0078.1
Standard (+100)	782.0106.1	782.0107.1	782.0108.1	782.0109.1
with gas nozzle sensor ¹	782.0079.1	782.0003.1	782.0004.1	782.0005.1
with gas nozzle sensor ¹ (+100)	782.0088.1	782.0089.1	782.0090.1	782.0091.1

Wear parts and fittings are not included in the scope of delivery! Please order separately and according to application! Standard equipment M8

Wear parts for ABIROB® W 500

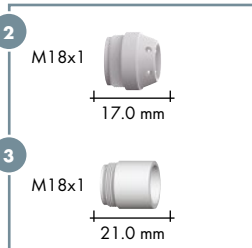


1 Contact tip holder (10 pcs.)



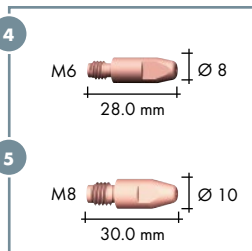
Type	Part-No.
M6 copper ²	142.0133.10
M6 brass	142.0216.10
M8 copper ²	142.0151.10
M8 brass	142.0117.10

2 Gas diffusor 3 Nozzle insulator (10 pcs.)



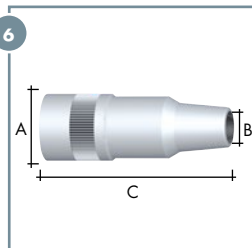
Type	Part-No.
Gas diffusor standard	943.0284
Nozzle insulator standard	146.0054.10
Nozzle insulator standard short (L= 11.4 mm) ³	146.0064
Nozzle insulator, resistant to high temperatures	146.0059.10

4 Contact tip M6 5 Contact tip M8 (10 pcs.)



Type	Wire-Ø	Part-No.	
		M6	M8
CuCrZr	0.8 mm	140.0054	140.0117
	0.9 mm	140.0172	140.0217
	1.0 mm	140.0245	140.0316
	1.2 mm	140.0382	140.0445
	1.4 mm	-	140.0536
	1.6 mm	-	140.0590

6 Gas nozzle (10 pcs.)



Type bottle form	Ø A	Ø B	Length C	Part-No.
Recess (-2.6 mm) ⁴	27.0 mm	13.0 mm	77.0 mm	145.0556.10
Recess (-1.1 mm) ⁴	27.0 mm	13.0 mm	75.5 mm	145.0479.10
Recess (-2.6 mm) ⁴	27.0 mm	15.5 mm	77.0 mm	145.0480.10
Recess (-1.1 mm) ⁴	27.0 mm	15.5 mm	75.5 mm	145.0544.10
Stick-out (+2.4 mm) ⁵	27.0 mm	15.5 mm	72.0 mm	145.0466.10

All dimensions are valid for standard equipment.

Type conical	Ø A	Ø B	Length C	Part-No.
Recess (-1.1 mm) ⁴	27.0 mm	15.5 mm	75.5 mm	145.0553.10
Stick-out (+2.4 mm) ⁵	27.0 mm	15.5 mm	72.5 mm	145.0568.10

All dimensions are valid for standard equipment.

¹ Gas nozzle sensor connection for tactile seam tracking via gas nozzle.
² Recommended for high amperages.
³ Recommended for applications with galvanised materials in conjunction with gas nozzles 145.0553 and 145.0568.
⁴ Recess: Contact tip recessed
⁵ Stick-out: Contact tip protruding