MIG/MAG WELDING TORCHES **MB EVO PRO**

- ✓ **Gas or liquid cooling**
- ✓ **Lightweight BIKOX® LW cable assembly**
- ✓ **Optimal handling concept**

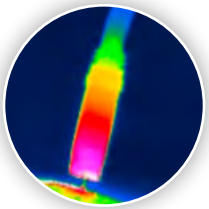
Experienced professionals: The torch series MB EVO PRO is the established standard for demanding industrial welding. The torches are optionally available in gas or liquid cooled versions. Gas cooled MB EVO PRO torches with the particularly light BIKOX® LW cable assembly enable relaxed welding in any position. Due to the cooler frontend, liquid cooled MB EVO PRO torches offer especially long service lives and additional power reserves. All MB EVO PRO torches are excellent to handle and fit perfectly in the hand.

MB EVO PRO advantages

- Maximum service life and proven MB wear part concept
- Lightweight BIKOX® LW cable assembly takes the strain off the welder
- Robust, ergonomic 2-component handle
- Easy-to-repair design, simplest maintenance
- Remote control modules optionally available

OPTIMAL BALANCE

PERFECT ERGONOMICS



OPTIMIZED COOLING

For special torch necks & gas nozzles see chapter "Accessories & special equipment"

UP TO 550 A

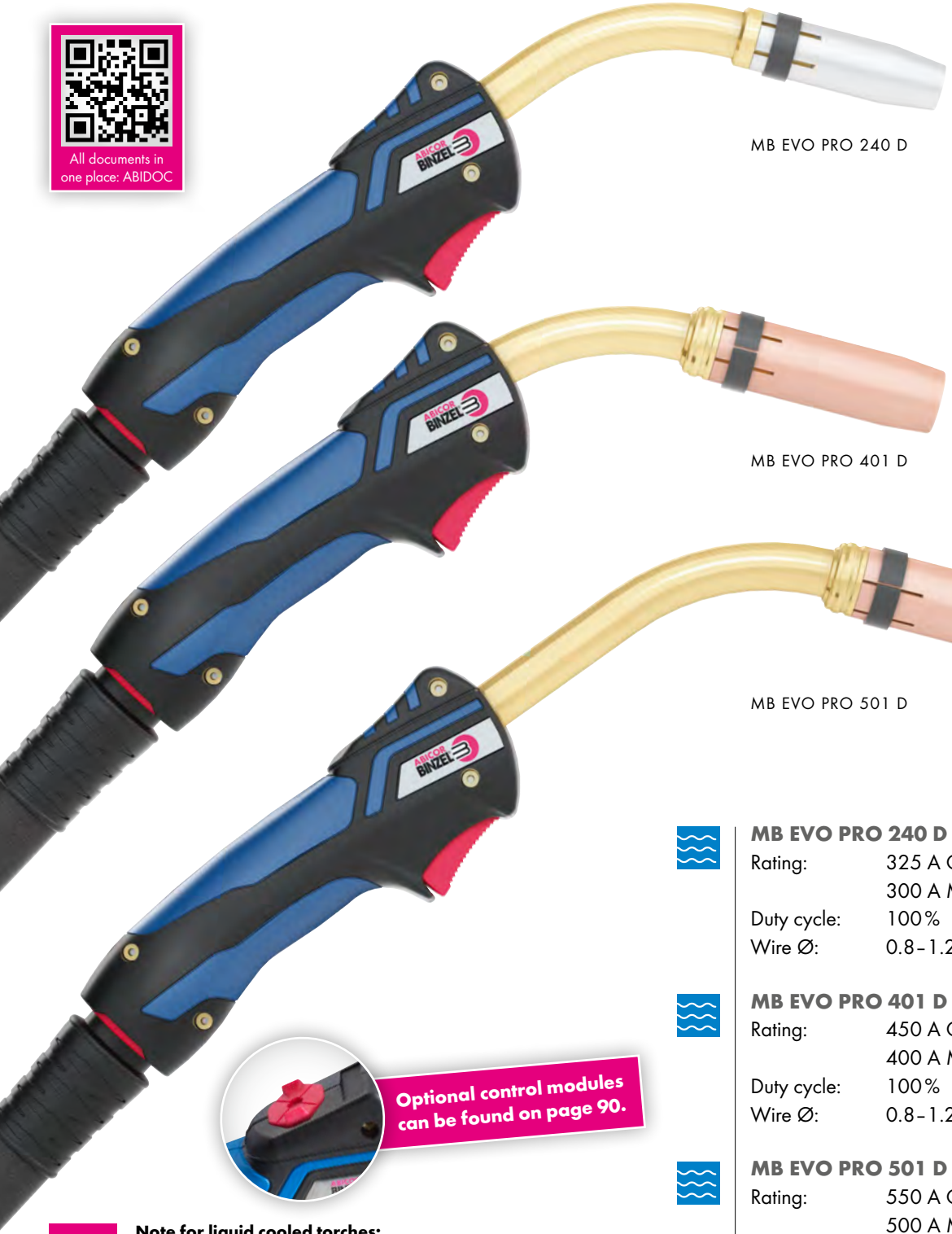
Type	Cooling	CO_2	Mixed gas M21*	Duty cycle	Wire Ø
MB EVO PRO 240 D	liquid cooled	325 A	300 A	100%	0.8–1.2 mm
MB EVO PRO 401 D	liquid cooled	450 A	500 A	100%	0.8–1.2 mm
MB EVO PRO 501 D	liquid cooled	550 A	500 A	100%	1.0–1.6 mm

Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175

MIG/MAG WELDING TORCHES **MB EVO PRO**

MB EVO PRO 240 D ▪ MB EVO PRO 401 D
MB EVO PRO 501 D

All documents in one place: ABIDOC



MB EVO PRO 240 D

MB EVO PRO 401 D

MB EVO PRO 501 D

Optional control modules can be found on page 90.

MB EVO PRO 240 D

Rating:	325 A CO_2
	300 A Mixed gas M21*
Duty cycle:	100 %
Wire Ø:	0.8 – 1.2 mm

MB EVO PRO 401 D

Rating:	450 A CO_2
	400 A Mixed gas M21*
Duty cycle:	100 %
Wire Ø:	0.8 – 1.2 mm

MB EVO PRO 501 D

Rating:	550 A CO_2
	500 A Mixed gas M21*
Duty cycle:	100 %
Wire Ø:	1.0 – 1.6 mm

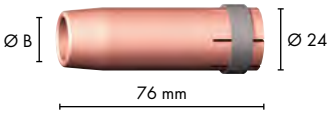
300 – 550 A

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 4 minutes.

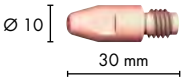
Torch complete		**Part-No.**			**Torch neck**	
Type	Cooling	3 m	4 m	5 m	Type	Part-No.
MB EVO PRO 240 D	liquid cooled	023.0319.1	023.0320.1	023.0321.1	50°	023.0316.1
MB EVO PRO 401 D	liquid cooled	033.0384.1	033.0385.1	033.0386.1	50°	033.0378.1
MB EVO PRO 501 D	liquid cooled	034.0862.1	034.0863.1	034.0864.1	50°	034.0856.1

Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175

Wear parts **MB EVO PRO 240 D** **MB EVO PRO 401/501 D**

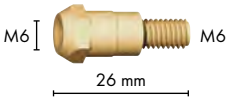


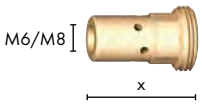
Gas nozzle (10 pcs.)	**Ø A**		**Ø B**	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051
Conical	Ø 12.5	145.0080*	Ø 16	145.0085**
Tapered	Ø 10	145.0128	Ø 14	145.0132
Conical	–	–	Ø 10	145.0137



Contact tip (10 pcs.)		**M6**	**M6**	**M8**
E-Cu	Ø 0.8	140.0051	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442
	Ø 1.6	–	140.0555	140.0587
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117
	Ø 1.0	140.0245*	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445**
	Ø 1.6	–	140.0558	140.0590

For more contact tips see chapter “Accessories & special equipment”





Contact tip holder (10 pcs.)			**x**	**recess**
M6 (Ms)	142.0003*	142.0008	25 mm	–4.5 mm
M8 (Ms)	–	142.0022	25 mm	–4.5 mm
M8 (CuCrZr)	–	142.0201.10	27 mm	–2.5 mm
M8 (Ms)	–	142.0027	29 mm	flush

Gas diffusor (10 pcs.)		
Standard	012.0432.10*	030.0265.10**
Long life	–	030.0255.10
Ceramic	–	030.0190

Liner	**Ø**	**for 3 m**	**for 4 m**	**for 5 m**
Insulated liner	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111*	124.0112*	124.0113*
	Ø 1.2	124.0111**	124.0112**	124.0113**
	Ø 1.6	124.0114	124.0115	124.0116

For more liner see chapter “Accessories & special equipment”

Standard equipment

*Included in the standard equipment for complete torches MB EVO PRO 240

**Included in the standard equipment for complete torches MB EVO PRO 401 D/501 D