MIG/MAG WELDING TORCHES **ABIMIG® GRIP**

- ✓ **Liquid cooling with dual-circuit cooling system**
- ✓ **For high power and impulse welding**
- ✓ **Durable MB wear parts**

Cool power packs: Torches of the liquid cooled ABIMIG® GRIP series show their strengths in the high power range and impulse welding. Their dual-circuit cooling system cools the torches reliably at all times, even when welding long seams at high power. This protects the torches and ensures particularly long service lives as well as reduced replacement costs. Thanks to standard wear parts of the MB series, the variety of parts and storage costs are reduced. ABIMIG® GRIP torches are optionally available with screw-on gas nozzle and various remote control modules.

ABIMIG® GRIP advantages

- Particularly long service lives due to the dual-circuit cooling system
- Economical stock-keeping due to MB wear parts
- Optimal balance thanks to handle with ball joint
- Comfortable operation due to remote control modules on the handle (optional)
- Screw-on gas nozzle TS (optional)

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

UP TO 550 A

Type	Cooling	CO_2	Mixed gas M21*	Duty cycle	Wire Ø
ABIMIG® GRIP W 555 D	liquid cooled	550 A	500/400**A	100%	0.8–1.6 mm
ABIMIG® GRIP W 555 D TS	liquid cooled	550 A	500/400**A	100%	0.8–1.6 mm

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

MIG/MAG WELDING TORCHES **ABIMIG® GRIP W**

ABIMIG® GRIP W 555 D ▪ ABIMIG® GRIP W 555 D TS

All documents in one place: ABIDOC

ABIMIG® GRIP W 555 D

ABIMIG® GRIP W 555 D TS

400 – 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.

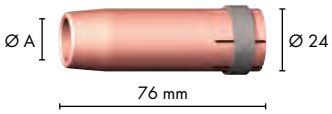
ABIMIG® GRIP W 555 D
ABIMIG® GRIP W 555 D TS

Rating:	550 A CO_2
	500 A Mixed gas M21*
	400 A Pulse
Duty cycle:	100 %
Wire Ø:	0.8 – 1.6 mm

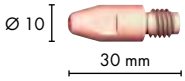
Torch complete		Part-No.			Torch neck	
Type	Cooling	3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP W 555 D	liquid cooled	766.0526.1	766.0527.1	766.0528.1	50°	766.0532.1
ABIMIG® GRIP W 555 D TS	liquid cooled	766.1457.1	766.1458.1	766.1459.1	50°	766.0900.1

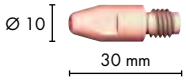
Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175

Wear parts	ABIMIG® GRIP W 555 D	ABIMIG® GRIP W 555 D TS



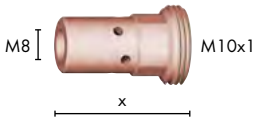
Gas nozzle	Ø A (plugged; 10 pcs.)		Ø B (screwed; 5 pcs.)	
Cylindrical	Ø 20	145.0051	Ø 20	145.0709.5
Conical	Ø 16	145.0085*	Ø 16	145.0708.5**
Tapered	Ø 14	145.0132	Ø 13	145.0734.5

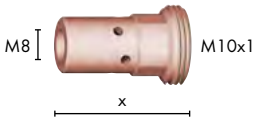




Contact tip (10 pcs.)		M8	M8
E-Cu	Ø 0.8	140.0114	140.0114
	Ø 1.0	140.0313	140.0313
	Ø 1.2	140.0442	140.0442
	Ø 1.6	140.0587	140.0587
CuCrZr	Ø 0.8	140.0117	140.0117
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445*	140.0445**
	Ø 1.6	140.0590	140.0590

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





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

Gas diffusor (10 pcs.)		
Standard	030.0265.10*	030.0265.10**
Long life	030.0255.10	030.0255.10
Ceramic	030.0190	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 ABIMIG® GRIP W 555 D

**Included in the standard equipment for complete torches ABIMIG® GRIP W 555 D TS