

ABIMIG® W T

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



- ✓ **Rotatable and exchangeable torch necks**
- ✓ **Large torch neck selection**
- ✓ **Small front end for optimal view**

Flexible all-rounders: Thanks to their rotatable and exchangeable torch necks, torches of the ABIMIG® W T series are extremely versatile. The wide selection of torch necks with different lengths and geometries ensures that even hard-to-access welding areas can be easily reached. Thanks to the compact design of the front end, they ensure a clear view of the welding process – regardless of the position. All available necks with the different power class 340, 440 and 540 can be used with the same base torch.

ABIMIG® W T advantages

- Powerful, liquid cooled torches
- Quick-change torch neck, reduced service times
- Flexible thanks to the rotatable torch necks in many lengths and shapes
- Small front end for optimal view of the process
- Longer service life thanks to gas nozzles with anti-spatter protection
- One base torch for all power classes (340, 440 and 540)



ROTATABLE AND EXCHANGEABLE TORCH NECKS



SMALL FRONTEND



UP/DOWN MODULE OPTIONAL

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
ABIMIG® W T 340	liquid cooled	400 A	350 A	100 %	0.8 – 1.2 mm
ABIMIG® W T 440	liquid cooled	450 A	400 A	100 %	0.8 – 1.6 mm
ABIMIG® W T 540	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 **ABIMIG® W T**

ABIMIG® W T 340 ▪ ABIMIG® W T 440 ▪ ABIMIG® W T 540

All documents in one place: ABIDOC



ABIMIG® W T 340

ABIMIG® W T 440

ABIMIG® W T 540

Rotatable and exchangeable torch necks

ABIMIG® W T 340
Rating: 400 A CO_2
350 A Mixed gas M21*
Duty cycle: 100 %
Wire Ø: 0.8–1.2 mm

ABIMIG® W T 440
Rating: 450 A CO_2
400 A Mixed gas M21*
Duty cycle: 100 %
Wire Ø: 0.8–1.6 mm

ABIMIG® W T 540
Rating: 550 A CO_2
500 A Mixed gas M21*
Duty cycle: 100 %
Wire Ø: 1.0–1.6 mm

350–550 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		**Part-No.**			**Torch neck**	
Type	Cooling	3 m	4 m	5 m	Type	Part-No.
ABIMIG® W T 340	liquid cooled	788.0116.1	788.0117.1	788.0118.1	50°	788.0020.1
ABIMIG® W T 440	liquid cooled	788.0119.1	788.0120.1	788.0121.1	50°	788.0005.1
ABIMIG® W T 540	liquid cooled	788.0122.1	788.0123.1	788.0124.1	50°	788.0026.1
Base torch ABIMIG® W T G**	liquid cooled	788.0110.1	788.0111.1	788.0112.1	see page 78	

Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175 ▪ **W T G = Base torch without torch neck

Wear parts

ABIMIG® W T 340



ABIMIG® W T 440



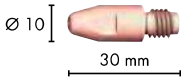
ABIMIG® W T 540

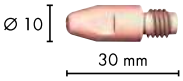


Gas nozzle incl. spatter protection[1] (5 pcs.)	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5*	Ø 14.5	145.D092.5**	Ø 16	145.0735.5***
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5

The integrated spatter protection is already contained in the mentioned gas nozzles and can be ordered separately on request.



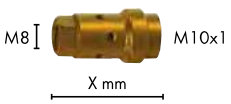


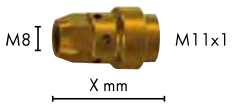


Contact tip (10 pcs.)		M6	M8	M8
E-Cu	Ø 0.8	140.0051	140.0114	–
	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	–	140.0587	140.0587
CuCrZr	Ø 0.8	140.0054	140.0117	–
	Ø 1.0	140.0245*	140.0316.10	140.0316
	Ø 1.2	140.0382	140.0445**	140.0445***
	Ø 1.6	–	140.0590	140.0590

For more contact tips see chapter "Accessories & special equipment"







Contact tip holder (5 pcs.)	X		X		X	
Brass	24.0	142.0241.5	26.0	142.0252.5	25.0	142.0239.5
	26.0	142.0242.5*	28.0	142.0253.5**	27.0	142.0240.5
	–	–	31.0	142.0243.5	28.5	142.0284.5***

Torch neck liner				
Liner	Ø 0.8–1.2	123.D097*	123.D097**	123.D097***
	Ø 1.4–1.6	–	123.D098	123.D098
BPL liner with inlet-tip	Ø 0.8–1.2	149.0418.1	149.0418.1	149.0418.1
	Ø 1.4–1.6	149.0420.1	149.0420.1	149.0420.1



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® W T 340

**Included in the standard equipment for complete torches ABIMIG® W T 440

***Included in the standard equipment for complete torches ABIMIG® W T 540



ABIMIG® W

MIG/MAG WELDING TORCHES **ABIMIG® W**



- ✓ **Robust construction**
- ✓ **Small front end for optimal view**
- ✓ **Remote control modules (optional)**

Proven standard solution: The compact, liquid cooled ABIMIG® W torches with coated torch necks are ideally suited for welding with high welding currents and process temperatures. Thanks to the double-fixed torch necks they are robust in application. The compact front end allows a good view of the process. ABIMIG® W torches can be equipped with additional remote control modules on the handle if required.

ABIMIG® W advantages

- Particularly robust thanks to double torch neck fixation
- Powerful, liquid cooled torches
- Coated, screw-on nozzles with anti-spatter protection for long service lives
- High working comfort due to ergonomic handle



MODULES
SEE PAGE 93



DOUBLE-FIXED TORCH NECK



SMALL FRONT END

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® W 340	liquid cooled	400 A	350 A	100 %	0.8 – 1.2 mm
ABIMIG® W 440	liquid cooled	450 A	400 A	100 %	0.8 – 1.6 mm
ABIMIG® W 540	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 **ABIMIG® W**

ABIMIG® W 340 ▪ ABIMIG® W 440 ▪ ABIMIG® W 540

All documents in one place: ABIDOC



ABIMIG® W 340

ABIMIG® W 440

ABIMIG® W 540



Optional control modules can be found on page 93.

ABIMIG® W 340

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

ABIMIG® W 440

Rating:	450 A CO_2
	400 A Mixed gas M21*
Duty cycle:	100 %
Wire Ø:	0.8–1.6 mm

ABIMIG® W 540

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

350–550 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.
ABIMIG® W 340	liquid cooled	766.1558.1	766.1559.1	766.1560.1	50°	766.1553.1
ABIMIG® W 440	liquid cooled	766.1561.1	766.1562.1	766.1563.1	50°	766.1548.1
ABIMIG® W 540	liquid cooled	766.1564.1	766.1565.1	766.1566.1	50°	766.1539.1

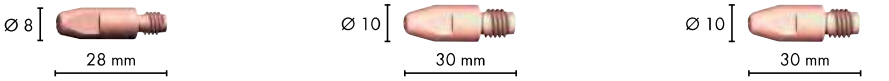
Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175 ▪ Up/Down module on request

Wear parts | **ABIMIG® W 340** | **ABIMIG® W 440** | **ABIMIG® W 540**



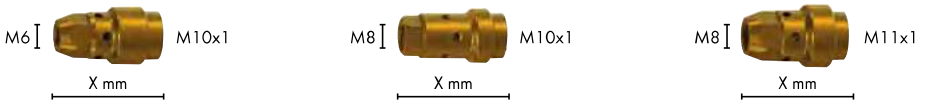
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The integrated spatter protection is already contained in the mentioned gas nozzles and can be ordered separately on request.



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	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	–	140.0587	140.0587
CuCrZr	Ø 0.8	140.0054	140.0117	–
	Ø 1.0	140.0245*	140.0316	140.0316
	Ø 1.2	140.0382	140.0445**	140.0445***
	Ø 1.6	–	140.0590	140.0590

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



Contact tip holder (5 pcs.)	X		X		X	
Brass	24.0	142.0241.5	26.0	142.0252.5	25.0	142.0239.5
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