

MIG/MAG welding torches "ABIMIG® W T"

Liquid cooled • rating 350 A up to 600 A

Welding torches in the ABIMIG® W T series convince through higher load limits than traditional torches of the same size, because the cooling concept that was redesigned by ABICOR BINZEL protects wearing parts even better against overheating with high power consumption as well.

A spatter protector integrated in the gas nozzles makes them particularly resistant and can be replaced separately where required. In addition, the torch necks and the gas nozzle are nickel-plated, in order to reduce spatter adhesions to a minimum.

Thanks to the rotatable and exchangeable torch necks in various lengths and geometries welders can adjust the ABIMIG® W T torch exactly to their needs.

- Long-life screw-in gas nozzles with integrated, exchangeable spatter protection
- A single basic torch for three capacities – reduces storage and maintenance costs
- Quick change, freely positionable torch necks – increase working comfort and reduce servicing costs
- Torch necks available in many different lengths and bending angles – for best accessibility
- Extended and short triggers available – for best handling
- Tried-and-tested ergonomic grip – easy to hold in all positions



ABIMIG® W T 340

Technical data (EN 60 974-7):

Rating: 400 A CO₂
350 A mixed gas M21
(DIN EN ISO 14175)
350 A pulse
Duty cycle: 100%
Wire size: 0.8-1.2 mm

ABIMIG® W T 440

Technical data (EN 60 974-7):

Rating: 500 A CO₂
450 A mixed gas M21
(DIN EN ISO 14175)
350 A pulse
Duty cycle: 100%
Wire size: 0.8-1.6 mm

ABIMIG® W T 540

Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A mixed gas M21
(DIN EN ISO 14175)
400 A pulse
Duty cycle: 100%
Wire size: 1.0-1.6 mm

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.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® W T 340	Push-button short	788.0041.1	788.0042.1	788.0043.1	50°	788.0020.1
ABIMIG® W T 340	Push-button long	788.0116.1	788.0117.1	788.0118.1	50°	788.0020.1
ABIMIG® W T 440	Push-button short	788.0044.1	788.0045.1	788.0046.1	50°	788.0005.1
ABIMIG® W T 440	Push-button long	788.0119.1	788.0120.1	788.0121.1	50°	788.0005.1
ABIMIG® W T 540	Push-button short	788.0047.1	788.0048.1	788.0049.1	50°	788.0026.1
ABIMIG® W T 540	Push-button long	788.0122.1	788.0123.1	788.0124.1	50°	788.0026.1

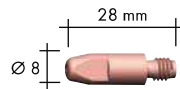
ABIMIG® W T 340, ABIMIG® W T 440, ABIMIG® W T 540

Wear parts

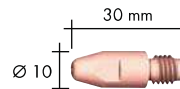


Gas nozzle incl. spatter protection¹ (5 pcs.)

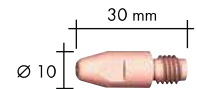
	Ø A		Ø A		Ø A	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5 ²	Ø 14.5	145.D092.5 ³	Ø 16	145.0735.5 ⁴
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5



M6



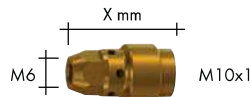
M8



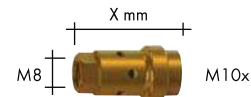
M8

Contact tip (10 pcs.)

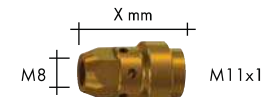
E-Cu	Ø 0.8	140.0051	140.0114	-
	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	-	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0033	-
	Ø 1.0	141.0006	141.0008	141.0008
	Ø 1.2	141.0010	141.0015	141.0015
	Ø 1.6	-	141.0022	141.0022
CuCrZr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245 ²	140.0316	140.0316
	Ø 1.2	140.0382	140.0445 ³	140.0445 ⁴
	Ø 1.6	-	140.0590	140.0590



X



X





X

Contact tip holder (5 pcs.)

Brass	24.0	142.0241.5	26.0	142.0252.5
	26.0	142.0242.5 ²	28.0	142.0253.5 ³
	-	-	31.0	142.0243.5
	-	-	-	-
CuCrZr	26.0	142.0274.5	29.5	142.0262.5
	-	-	-	-
	-	-	-	-
	-	-	-	-

Torch neck spiral

Spiral	Ø 0.8-1.2	123.D097 ²	123.D097 ³	123.D097 ⁴
	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	for 3 m			for 4 m			for 5 m		
		Ø			Ø			Ø		
	Spiral	Ø 0.8	124.0137		124.0138		124.0139			
		Ø 1.0	124.0111 ²		124.0112 ²		124.0113 ²			
		Ø 1.2	124.0111 ^{3,4}		124.0112 ^{3,4}		124.0113 ^{3,4}			
		Ø 1.6	124.0114		124.0115		124.0116			
	PTFE liner	Ø 0.8	126.0005		126.0008		126.0011			
		Ø 1.0	126.0021		126.0026		126.0028			
		Ø 1.2	126.0021		126.0026		126.0028			
		Ø 1.6	126.0039		126.0042		126.0045			
	Carbon PTFE liner	Ø 0.8	127.0002		127.0003		127.0004			
		Ø 1.0	127.0005		127.0007		127.0008			
		Ø 1.2	127.0005		127.0007		127.0008			
		Ø 1.6	127.0010		127.0012		127.0013			

¹ The integrated spatter protection is already contained in the above-mentioned gas nozzles and can be ordered separately on request.

² Included in the standard equipment for complete torches ABIMIG® W T 340.

³ Included in the standard equipment for complete torches ABIMIG® W T 340.

⁴ Included in the standard equipment for complete torches ABIMIG® W T 340.