

MIG/MAG Welding Torches "ABIMIG® A T LW"

Air cooled • rating 260 A up to 400 A

- New welding torch series and lightweight "Bikox® LW" cable assembly - Up to 50% lighter than comparable standard torches
- Newly designed ergonomic torch handle, available with optional Up/Down module - Improved working comfort
- Universal contact tip holder (contact tip holder, gas diffuser and gas nozzle holder all in one) - Reduces stocking requirements and costs
- Screwable, thermally insulated gas nozzle - Longer service life of the torch - Cost reduction
- Turnable, quick-change torch neck - increased working comfort and reduction of service costs



■ **NEW!**
Super lightweight torches
with turnable and
changeable torch neck

ABIMIG® A T 305 LW

Technical data (EN 60 974-7):

Rating: 290 A CO₂
260 A Mixed Gases
M21 (DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8-1.2 mm

ABIMIG® A T 355 LW

Technical data (EN 60 974-7):

Rating: 340 A CO₂
320 A Mixed Gases
M21 (DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 1.0-1.6 mm

ABIMIG® A T 405 LW*

Technical data (EN 60 974-7):

Rating: 400 A CO₂
370 A Mixed Gases
M21 (DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 1.0-1.6 mm
(up to 2.4 mm on demand)

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 305 LW	Push-button short	018.D953.1	018.D954.1	018.D955.1	45°	014.H356.1
ABIMIG® A T 305 LW	Push-button long	018.D960.1	018.D961.1	018.D962.1	45°	014.H356.1
ABIMIG® A T 355 LW	Push-button short	014.H509.1	014.H510.1	014.H511.1	45°	014.H363.1
ABIMIG® A T 355 LW	Push-button long	014.H390.1	014.H391.1	014.H392.1	45°	014.H363.1
ABIMIG® A T 405 LW	Push-button short	015.D101.1	015.D102.1	015.D103.1	45°	015.D082.1
ABIMIG® A T 405 LW	Push-button long	015.D070.1	015.D071.1	015.D072.1	45°	015.D082.1

Definition: T = turnable/exchangeable torch neck, LW = lightweight cable assembly

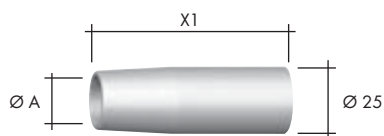
Attention: The specified variants correspond to the "BASIC" version. Further versions (COMBI, VARIO, FREE STYLE) on request.

*The ABIMIG® A T 405 LW is adjustable in 45° steps.

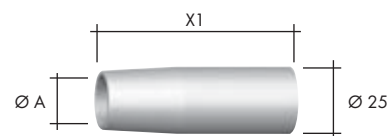
ABIMIG® A T 305 LW, ABIMIG® A T 355 LW, ABIMIG® A T 405 LW

Wear parts

ABIMIG® A T 305 / 355 LW

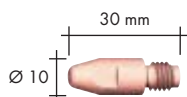


ABIMIG® A T 405 LW

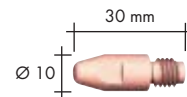


Gas nozzle (5 pcs.)

	Ø A	X1		Ø A	X1	
Cylindrical	Ø 21	71 mm	145.D024	Ø 21	71 mm	145.D024
Conical	Ø 18	72 mm	145.D021 ^{1,2}	Ø 18	72 mm	145.D021 ³
Conical	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



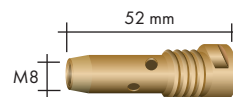
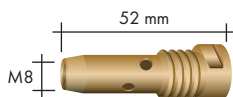
M8



M8

Contact tip (10 pcs.)

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		
E-Cu for Al	Ø 0.8	141.0003	-		
	Ø 1.0	141.0008	141.0008		
	Ø 1.2	141.0015	141.0015		
	Ø 1.6	141.0022	141.0022		
CuCrZr	Ø 0.8	140.0117	-		
	Ø 1.0	140.0316	140.0316		
	Ø 1.2	140.0445 ^{1,2}	140.0445		
	Ø 1.6	140.0590	140.0590 ³		



Contact tip holder (5 pcs.)

M8	014.D745.5 ^{1,2}	014.D745.5 ³
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Adapter piece (5 pcs.)

	767.D668.5 ^{1,2}	015.D080.5 ³
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Torch neck liner for T-torches



Standard	Ø 0.8	122.D037	-
	Ø 1.0-1.2	122.D038 ^{1,2}	122.D077
	Ø 1.6	122.D045	122.D078 ³
Brass for Al	Ø 1.0	122.D040	122.D040
	Ø 1.0-1.2	122.D041	122.D041

Liner		305 / 355	405	305 / 355	405	305 / 355	405
		for 3 m	for 3 m	for 4 m	for 4 m	for 5 m	for 5 m
Liner	0.8	124.0011	-	124.0012	-	124.0015	-
	1.0	124.0026	124.D113	124.0031	124.D114	124.0035	124.D115
	1.2	124.0026 ^{1,2}	124.D113	124.0031 ^{1,2}	124.D114	124.0035 ^{1,2}	124.D115
	1.6	124.0041	124.D116 ³	124.0042	124.D117 ³	124.0044	124.D118 ³
PTFE liner	0.8	126.0005	-	126.0008	-	126.0011	-
	1.0	126.0021	-	126.0026	-	126.0028	-
	1.2	126.0021	-	126.0026	-	126.0028	-
	1.6	126.0039	-	126.0042	-	126.0045	-
Carbon PTFE liner	0.8	127.0002	-	127.0003	-	127.0004	-
	1.0	127.0005	-	127.0007	-	127.0008	-
	1.2	127.0005	-	127.0007	-	127.0008	-
	1.6	127.0010	-	127.0012	-	127.0013	-

Note: Combined wire guides for ABIMIG® A / A T 405 LW on page 35.

¹ Included in the standard equipment for complete torches ABIMIG® A T 305 LW.

² Included in the standard equipment for complete torches ABIMIG® A T 355 LW.

³ Included in the standard equipment for complete torches ABIMIG® A T 405 LW.