MIG/MAG WELDING TORCHES **ABIMIG® A T LW**

- **Rotatable and exchangeable torch necks**
- **Lightweight BIKOX® LW cable assembly**
- **Handles in two sizes**

Flexible all-rounders: Changing welding positions and different welding tasks are the speciality of the ABIMIG® A T LW torches. The torches have an unbeatable power-to-weight ratio. With 360-degree rotatable and exchangeable torch necks and a super lightweight BIKOX® LW cable, they enable ergonomic working in every position. And thanks to numerous additional components, ABIMIG® A T LW torches can be easily adapted to different welding tasks.

ABIMIG® A T LW advantages

- Handles available in two sizes (standard and small)
- Quick-change torch neck, reduced service costs
- Universal contact tip holder instead of gas diffusor for reduced wear part costs
- Longer service life thanks to screw-on, thermally insulated gas nozzle

ROTATABLE AND EXCHANGEABLE TORCH NECKS

LIGHTWEIGHT BIKOX® LW CABLE

EXTENDABLE TRIGGER

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

UP TO 400 A

Type	Cooling	CO_2	Mixed gas M21*	Duty cycle	Wire Ø
ABIMIG® A T 305 LW	gas cooled	290 A	260 A	60%	0.8–1.2 mm
ABIMIG® A T 355 LW	gas cooled	340 A	320 A	60%	1.0–1.6 mm
ABIMIG® A T 405 LW	gas cooled	400 A	370 A	60%	1.0–1.6 mm

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

MIG/MAG WELDING TORCHES **ABIMIG® A T LW**

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

All documents in one place: ABIDOC

ABIMIG® A T 305 LW

ABIMIG® A T 355 LW

ABIMIG® A T 405 LW

Lightweight torches with rotatable and exchangeable torch necks

260 – 400 A

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

ABIMIG® A T 305 LW
Rating: 290 A CO_2
260 A Mixed gas M21*
Duty cycle: 60 %
Wire Ø: 0.8 – 1.2 mm

ABIMIG® A T 355 LW
Rating: 340 A CO_2
320 A Mixed gas M21*
Duty cycle: 60 %
Wire Ø: 1.0 – 1.6 mm

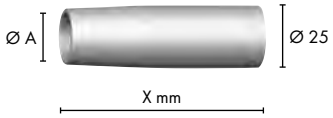
ABIMIG® A T 405 LW
Rating: 400 A CO_2
370 A Mixed gas M21*
Duty cycle: 60 %
Wire Ø: 1.0 – 1.6 mm (up to 2.4 mm on request)

Torch		**Part-No.**			**Torch neck**	
Type	Cooling	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 305 LW	gas cooled	018.D960.1	018.D961.1	018.D962.1	45°	014.H356.1
ABIMIG® A T 355 LW	gas cooled	014.H390.1	014.H391.1	014.H392.1	45°	014.H363.1
ABIMIG® A T 405 LW	gas cooled	015.D070.1	015.D071.1	015.D072.1	45°	015.D082.1
Base torch ABIMIG® A T G 355 LW**	gas cooled	014.H544.1	014.H545.1	014.H546.1		
Base torch ABIMIG® A T G 405 LW**	gas cooled	015.D114.1	015.D115.1	015.D116.1		

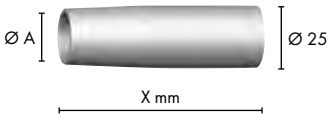
Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175 ▪ **A T G = Base torch without torch neck

Wear parts

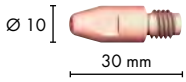
ABIMIG® A T 305 / 355 LW

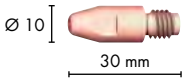


ABIMIG® A T 405 LW



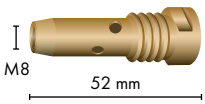
Gas nozzle (5 pcs.)	Ø A	X		Ø A	X	
Cylindrical	Ø 21	71 mm	145.D024.5	Ø 21	71 mm	145.D024.5
Conical	Ø 18	72 mm	145.D021.5**	Ø 18	72 mm	145.D021.5***
Tapered	Ø 16	69 mm	145.D022.5	Ø 16	69 mm	145.D022.5

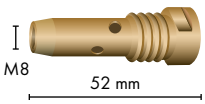




Contact tip (10 pcs.)		M8	M8
E-Cu	Ø 0.8	140.0114	140.0114
	Ø 1.0	140.0313	140.0313
	Ø 1.2	140.0442	140.0442
	Ø 1.6	140.0587	140.0587
CuCrZr	Ø 0.8	140.0117	–
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445**	140.0445
	Ø 1.6	140.0590	140.0590***

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





Contact tip holder (5 pcs.)		
M8	014.D745.5**	014.D745.5***

Adapter piece (5 pcs.)		
	767.D668.5**	015.D080.5***

Torch neck liner for T-torches			
Standard	Ø 0.8	122.D037 (5 pcs.)	–
	Ø 1.0–1.2	122.D038** (5 pcs.)	122.D077 (5 pcs.)
	Ø 1.6	122.D045 (5 pcs.)	122.D078*** (5 pcs.)
Brass for Al	Ø 1.0	122.D040	122.D040
	Ø 1.0–1.2	122.D041	122.D041

Liner	Ø	305 / 355 for 3 m	305 / 355 for 4 m	305 / 355 for 5 m	405 for 3 m	405 for 4 m	405 for 5 m
Insulated liner	Ø 0.8	124.0011	124.0012	124.0015	–	–	–
	Ø 1.0	124.0026	124.0031	124.0035	124.D113	124.D114	124.D115
	Ø 1.2	124.0026**	124.0031**	124.0035**	124.D116***	124.D117***	124.D118***
	Ø 1.6	124.0041	124.0042	124.0044	124.D119	124.D120	124.D121

For more liner see chapter "Accessories & special equipment"

Standard equipment

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

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

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