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 155 S LW	gas cooled	160 A	160 A	60%	0.8–1.0 mm
ABIMIG® A T 255 S LW	gas cooled	210 A	210 A	60%	0.8–1.2 mm
ABIMIG® A T 355 S LW	gas cooled	320 A	300 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 S LW**

ABIMIG® A T 155 S LW ▪ ABIMIG® A T 255 S LW
ABIMIG® A T 355 S LW

All documents in one place: ABIDOC

ABIMIG® A T 155 S LW

ABIMIG® A T 255 S LW

ABIMIG® A T 355 S LW

SMALL HANDLE (S)

160 – 320 A

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

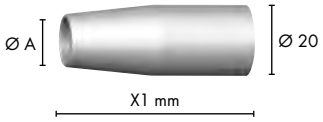
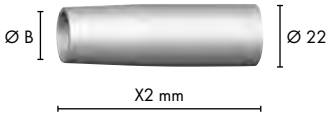
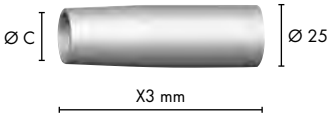
ABIMIG® A T 155 S LW
Rating: 160 A CO_2
160 A Mixed gas M21*
Duty cycle: 60 %
Wire Ø: 0.8 – 1.0 mm

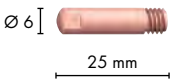
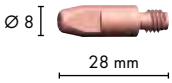
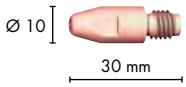
ABIMIG® A T 255 S LW
Rating: 210 A CO_2
210 A Mixed gas M21*
Duty cycle: 60 %
Wire Ø: 0.8 – 1.2 mm

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

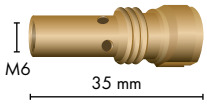
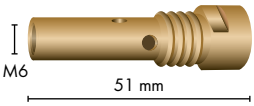
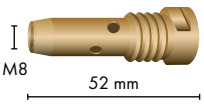
Torch		**Part-No.**			**Torch neck**	
Type	Cooling	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 155 S LW	gas cooled	006.0201.1	006.0202.1	006.0203.1	45°	006.D804.1
ABIMIG® A T 255 S LW	gas cooled	004.0792.1	004.0793.1	004.0794.1	45°	004.D831.1
ABIMIG® A T 355 S LW	gas cooled	014.0718.1	014.0719.1	014.0720.1	45°	014.H356.1
Base torch ABIMIG® A T G 155 S LW**	gas cooled	006.0204.1	006.0205.1	006.0206.1		
Base torch ABIMIG® A T G 255 S LW**	gas cooled	004.0795.1	004.0796.1	004.0797.1		
Base torch ABIMIG® A T G 355 S LW**	gas cooled	014.0723.1	014.0724.1	014.0725.1		

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 155 S LW			ABIMIG® A T 255 S LW			ABIMIG® A T 355 S LW		
									
Gas nozzle (5 pcs.)	**Ø A**	**X1**		**Ø B**	**X2**		**Ø C**	**X3**	
Cylindrical	Ø 17	52 mm	145.D003.5	Ø 18	69 mm	145.D014.5	Ø 21	71 mm	145.D024.5
Conical	Ø 12	52 mm	145.D001.5*	Ø 16	70 mm	145.D011.5**	Ø 18	72 mm	145.D021.5***
Tapered	Ø 10	52 mm	145.D006.5	Ø 14	67 mm	145.D012.5	Ø 16	69 mm	145.D022.5

				
Contact tip (10 pcs.)		**M6**	**M6**	**M8**
E-Cu	Ø 0.8	140.0059*	140.0051	140.0114
	Ø 1.0	140.0253	140.0242**	140.0313
	Ø 1.2	–	140.0379	140.0442
	Ø 1.6	–	–	140.0587
CuCrZr	Ø 0.8	140.0062	140.0054	140.0117
	Ø 1.0	140.0256	140.0245	140.0316
	Ø 1.2	–	140.0382	140.0445***
	Ø 1.6	–	–	140.0590

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

			
Contact tip holder (5 pcs.)	**M6**	**M6**	**M8**
	006.D719.5*	004.D624.5**	014.D745.5***

Adapter piece (5 pcs.)			
	767.D607.5*	767.D637.5**	767.D668.5***

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

Liners	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.8	124.0011	124.0012	124.0015*
	Ø 1.0	124.0026**	124.0031**	124.0035**
	Ø 1.2	124.0026	124.0031	124.0035
	Ø 1.6	124.0041	124.0042	124.0044

For more liner see chapter “Accessories & special equipment”

Standard equipment

*Included in the standard equipment for complete torches ABIMIG® A T 155 S LW

**Included in the standard equipment for complete torches ABIMIG® A T 255 S LW

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