



ABIMIG® AT LW

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"



Type	Cooling	CO ₂	Mixed gas M21*	Duty cycle	Wire Ø
ABIMIG® A T 155 LW	gas cooled	190 A	180 A	60%	0.8–1.0 mm
ABIMIG® A T 255 LW	gas cooled	240 A	220 A	60%	0.8–1.2 mm
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
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 LW**

ABIMIG® A T 155 LW ■ **ABIMIG® A T 255 LW**



All documents in
one place: ABIDOC



ABIMIG® A T 155 LW

ABIMIG® A T 255 LW

Lightweight torches with
rotatable and exchangeable
torch necks

180 -
240 A



Definition:

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

ABIMIG® A T 155 LW

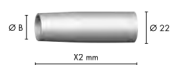
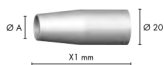
Rating: 190 A CO₂
180 A Mixed gas M21*
Duty cycle: 60%
Wire Ø: 0.8 - 1.0 mm

ABIMIG® A T 255 LW

Rating: 240 A CO₂
220 A Mixed gas M21*
Duty cycle: 60%
Wire Ø: 0.8 - 1.2 mm

Torch Type	Handle	Part-No.			Torch neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 155 LW	Trigger short	006.D821.1	006.D822.1	006.D823.1	45°	006.D804.1
ABIMIG® A T 155 LW	Trigger long	006.D810.1	006.D811.1	006.D812.1	45°	006.D804.1
ABIMIG® A T 255 LW	Trigger short	004.D880.1	004.D881.1	004.D882.1	45°	004.D831.1
ABIMIG® A T 255 LW	Trigger long	004.D850.1	004.D851.1	004.D852.1	45°	004.D831.1
Base torch ABIMIG® A T G 155 LW**	Trigger long	006.D841.1	006.D842.1	006.D843.1	from page 66	
Base torch ABIMIG® A T G 255 LW**	Trigger long	004.D894.1	004.D895.1	004.D896.1	from page 66	

Technical data according to EN 60 974.7 * DIN EN ISO 14175 ** A T G = Base torch without torch neck

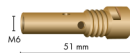
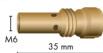
Wear parts
ABIMIG® A T 155 LW
ABIMIG® A T 255 LW


Gas nozzle (5 pcs.)	Ø A	X1		Ø B	X2	
Cylindrical	Ø 17	52 mm	145.D003	Ø 18	69 mm	145.D014
Conical	Ø 12	52 mm	145.D001*	Ø 16	70 mm	145.D011**
Tapered	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



Contact tip (10 pcs.)		M6	M6
E-Cu	Ø 0.8	140.0059*	140.0051
	Ø 1.0	140.0253	140.0242**
	Ø 1.2	-	140.0379
CuCrZr	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382

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



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



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



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



Liner	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

For more liner see chapter "Accessories & special equipment"

Standard equipment

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

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

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

ABIMIG® A T 305 LW ■ ABIMIG® A T 355 LW

ABIMIG® A T 405 LW



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 CO₂
260 A Mixed gas M21*
Duty cycle: 60%
Wire Ø: 0.8 - 1.2 mm

ABIMIG® A T 355 LW

Rating: 340 A CO₂
320 A Mixed gas M21*
Duty cycle: 60%
Wire Ø: 1.0 - 1.6 mm

ABIMIG® A T 405 LW

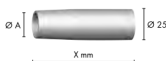
Rating: 400 A CO₂
370 A Mixed gas M21*
Duty cycle: 60%
Wire Ø: 1.0 - 1.6 mm (up to 2.4 mm on request)

Torch Type	Handle	Part-No.			Torch neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 305 LW	Trigger short	018.D953.1	018.D954.1	018.D955.1	45°	014.H356.1
ABIMIG® A T 305 LW	Trigger long	018.D960.1	018.D961.1	018.D962.1	45°	014.H356.1
ABIMIG® A T 355 LW	Trigger short	014.H509.1	014.H510.1	014.H511.1	45°	014.H363.1
ABIMIG® A T 355 LW	Trigger long	014.H390.1	014.H391.1	014.H392.1	45°	014.H363.1
ABIMIG® A T 405 LW	Trigger short	015.D101.1	015.D102.1	015.D103.1	45°	015.D082.1
ABIMIG® A T 405 LW	Trigger long	015.D070.1	015.D071.1	015.D072.1	45°	015.D082.1
Base torch ABIMIG® A T G 355 LW**	Trigger long	014.H544.1	014.H545.1	014.H546.1	from page 66	
Base torch ABIMIG® A T G 405 LW**	Trigger long	015.D114.1	015.D115.1	015.D116.1	from page 66	

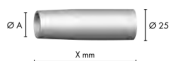
Technical data according to EN 60 974-7 * DIN EN ISO 14175 ** A T G = Base torch without torch neck

Wear parts

ABIMIG® A T 305 / 355 LW



ABIMIG® A T 405 LW

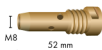


Gas nozzle (5 pcs.)	Ø A	X		Ø A	X	
Cylindrical	Ø 21	71 mm	145.D024	Ø 21	71 mm	145.D024
Conical	Ø 18	72 mm	145.D021**	Ø 18	72 mm	145.D021***
Tapered	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



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