

ABIMIG® A LW

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



- **Particularly robust design**
- **Lightweight BIKOX® LW cable assembly**
- **Optional remote control modules**

Resilient lightweights: ABIMIG® A LW torches won't break that easily. The particularly robustly built torches with double-fixed torch neck are optimally protected against mechanical influences. Despite their sturdy design, they are especially easy to handle. The extra lightweight BIKOX® LW cable assembly reduces the weight and the optionally available remote control modules Up/Down, cross switch or rotary potentiometer allow quick adjustments.

ABIMIG® A LW advantages

- Particularly robust thanks to double torch neck fixation
- Lightweight cable assembly relieves the welder
- Comfortable due to selectable trigger length and remote control modules (optional)
- Universal contact tip holder for reduced wear part costs
- Longer service life due to screw-on, thermally insulated gas nozzle





DOUBLE-FIXED TORCH NECK



MODULES SEE PAGE 93

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 155 LW	gas cooled	170 A	170 A	60%	0.8–1.0 mm
ABIMIG® A 255 LW	gas cooled	230 A	220 A	60%	0.8–1.2 mm
ABIMIG® A 305 LW	gas cooled	280 A	260 A	60%	0.8–1.2 mm
ABIMIG® A 355 LW	gas cooled	330 A	310 A	60%	1.0–1.6 mm
ABIMIG® A 405 LW	gas cooled	400 A	350 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 LW**
ABIMIG® A 155 LW ▪ ABIMIG® A 255 LW

All documents in one place: ABIDOC



ABIMIG® A 155 LW

ABIMIG® A 255 LW

Optional control modules can be found on page 93.

170–230 A

ABIMIG® A 155 LW

Rating:	170 A CO_2
	170 A Mixed gas M21*
Duty cycle:	60 %
Wire Ø:	0.8–1.0 mm

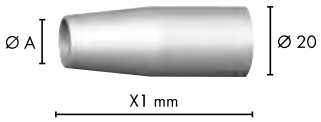
ABIMIG® A 255 LW

Rating:	230 A CO_2
	220 A Mixed gas M21*
Duty cycle:	60 %
Wire Ø:	0.8–1.2 mm

Torch complete		**Part-No.**			**Torch neck**	
Type	Cooling	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 155 LW	gas cooled	767.0062.1	767.0063.1	767.0064.1	45°	767.0024.1
ABIMIG® A 255 LW	gas cooled	767.0065.1	767.0066.1	767.0067.1	45°	767.0027.1

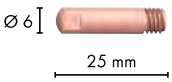
Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175

Wear parts | **ABIMIG® A 155 LW** | **ABIMIG® A 255 LW**





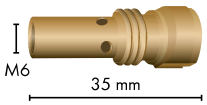
Gas nozzle (5 pcs.)	Ø A	X1		Ø B	X2	
Cylindrical	Ø 17	52 mm	145.D003.5	Ø 18	69 mm	145.D014.5
Conical	Ø 12	52 mm	145.D001.5*	Ø 16	70 mm	145.D011.5**
Tapered	Ø 10	52 mm	145.D006.5	Ø 14	67 mm	145.D012.5

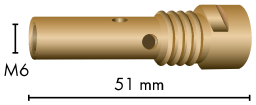




Contact tip (10 pcs.)		M6	M6
E-Cu	Ø 0.8	140.0059*	140.0051
	Ø 1.0	140.0253	140.0242**
	Ø 1.2	–	140.0379
CuCrZr	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	–	140.0382

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**



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 155 LW

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

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

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

All documents in one place: ABIDOC



ABIMIG® A 305 LW

ABIMIG® A 355 LW

ABIMIG® A 405 LW



Optional control modules can be found on page 93.

260–400 A

ABIMIG® A 305 LW

Rating:	280 A CO_2
	260 A Mixed gas M21*
Duty cycle:	60 %
Wire Ø:	0.8–1.2 mm

ABIMIG® A 355 LW

Rating:	330 A CO_2
	310 A Mixed gas M21*
Duty cycle:	60 %
Wire Ø:	1.0–1.6 mm

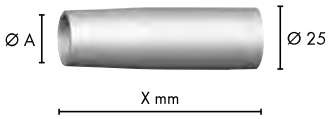
ABIMIG® A 405 LW

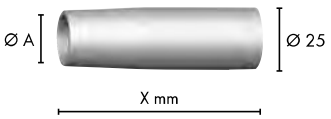
Rating:	400 A CO_2
	350 A Mixed gas M21*
Duty cycle:	60 %
Wire Ø:	1.0–1.6 mm (up to 2.4 mm on request)

Torch complete		**Part-No.**			**Torch neck**	
Type	Cooling	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 305 LW	gas cooled	767.0068.1	767.0069.1	767.0070.1	45°	767.0045.1
ABIMIG® A 355 LW	gas cooled	767.0071.1	767.0072.1	767.0073.1	45°	767.0050.1
ABIMIG® A 405 LW	gas cooled	767.0074.1	767.0075.1	767.0076.1	45°	767.0055.1

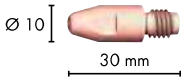
Technical data according to EN 60 974-7 ▪ *DIN EN ISO 14175

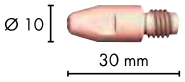
Wear parts | **ABIMIG® A 305 / 355 LW** | **ABIMIG® A 405 LW**





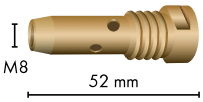
Gas nozzle (5 pcs.)	Ø A	X		Ø A	X	
Cylindrical	Ø 21	71 mm	145.D024.5	Ø 21	71 mm	145.D024.5
Conical	Ø 18	72 mm	145.D021.5**	Ø 18	72 mm	145.D021.5***
Tapered	Ø 16	69 mm	145.D022.5	Ø 16	69 mm	145.D022.5

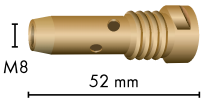




Contact tip (10 pcs.)		M8	M8
E-Cu	Ø 0.8	140.0114	140.0114
	Ø 1.0	140.0313	140.0313
	Ø 1.2	140.0442	140.0442
	Ø 1.6	140.0587	140.0587
CuCrZr	Ø 0.8	140.0117	–
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445**	140.0445
	Ø 1.6	140.0590	140.0590***

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.)		
	767.0107.5**	015.D080.5***



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 305 LW

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

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