

MIG/MAG welding torches "ABIMIG® A LW"

Air cooled • rating 255 A up to 400 A

ABIMIG® A LW torches are optimal whenever the best possible welding results are to be achieved with a torch neck geometry. Thanks to the slim straight handles, the torches fit comfortably in the hand and allow different postural positions and flexibility in torch neck alignment. ABIMIG® A LW torches are very hard-wearing and, thanks to the double fixation of the torch neck, are particularly well protected against mechanical deformation.

ABIMIG® A LW torches are fitted with weight-optimised LW cable assemblies and are particularly light.

- Double torch neck fixation – durable construction
- Lightweight "Bikox® LW" cable assembly – reduction of the torch weight of up to 50 %
- Universal contact tip holder (contact tip holder, gas diffuser and gas nozzle holder all in one) – reduction of the number of spare parts and thus the costs
- Screwable, thermally insulated gas nozzle – longer service life of the torch and cost reduction
- Extended and short triggers available – for best handling



ABIMIG® A 305 LW

Technical data (EN 60 974-7):

Rating: 280 A CO₂
260 A mixed gas M21
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8–1.2 mm

ABIMIG® A 355 LW

Technical data (EN 60 974-7):

Rating: 330 A CO₂
310 A mixed gas M21
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 1.0–1.6 mm

ABIMIG® A 405 LW*

Technical data (EN 60 974-7):

Rating: 400 A CO₂
350 A mixed gas M21
(DIN EN ISO 14175)

Duty cycle: 60%

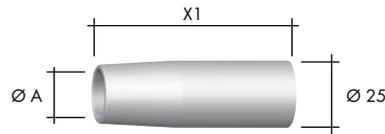
Wire size: 1.0–1.6 mm
(up to 2.4 mm on demand)

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 305 LW	Push-button short	767.0036.1	767.0037.1	767.0038.1	45°	767.0045.1
ABIMIG® A 305 LW	Push-button long	767.0068.1	767.0069.1	767.0070.1	45°	767.0045.1
ABIMIG® A 355 LW	Push-button short	767.0039.1	767.0040.1	767.0041.1	45°	767.0050.1
ABIMIG® A 355 LW	Push-button long	767.0071.1	767.0072.1	767.0073.1	45°	767.0050.1
ABIMIG® A 405 LW	Push-button short	767.0042.1	767.0043.1	767.0044.1	45°	767.0055.1
ABIMIG® A 405 LW	Push-button long	767.0074.1	767.0075.1	767.0076.1	45°	767.0055.1

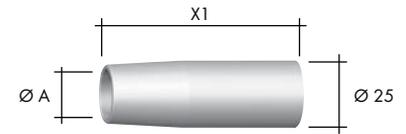
ABIMIG® A 305 LW, ABIMIG® A 355 LW, ABIMIG® A 405 LW

Wear parts

ABIMIG® A 305 / 355 LW

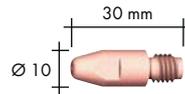


ABIMIG® A 405 LW

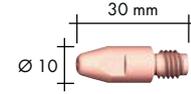


Gas nozzle (5 pcs.)

	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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Liner		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	-		

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

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

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