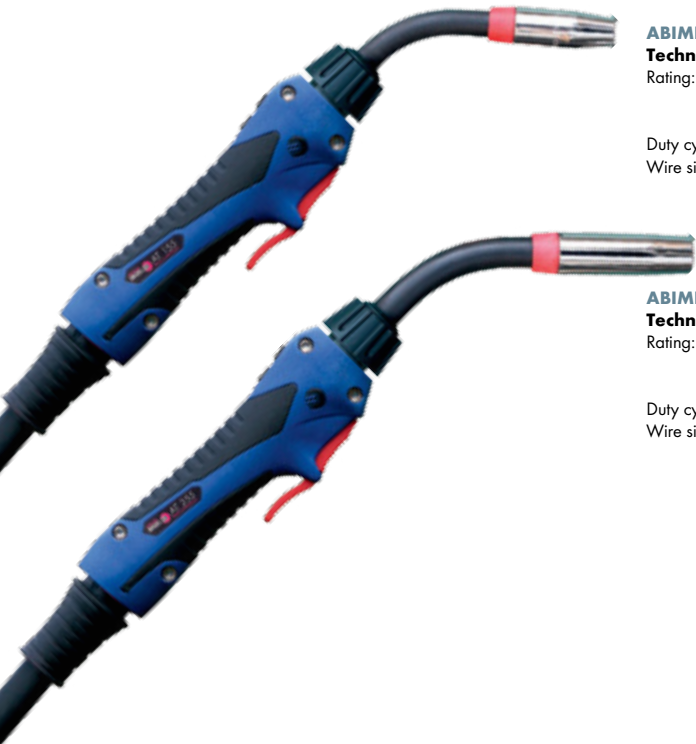


MIG/MAG Welding Torches "ABIMIG® A T LW"

Air cooled • rating 180 A up to 240 A

The newly developed, super lightweight MIG/MAG welding torch series "ABIMIG® A T LW" with ergonomic and universal two-component handle offer flexibility in perfection. They are equipped standard with ball joint and lightweight "Bikox® LW" cable assembly as well as exchangeable and 360° rotatable torch neck, so the torches enable ergonomic and relaxed welding in every position.

- New welding torch series and lightweight "Bikox® LW" cable assembly – Reduction of the torch weight up to 50%
- Newly designed ergonomic handle, optionally available with Up/Down module – Improved working comfort
- 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
- Turnable, quick-change torch neck – increased working comfort and reduction of service costs



ABIMIG® A T 155 LW

Technical data (EN 60 974-7):

Rating: 190 A CO₂
180 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.8–1.0 mm

ABIMIG® A T 255 LW

Technical data (EN 60 974-7):

Rating: 240 A CO₂
220 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

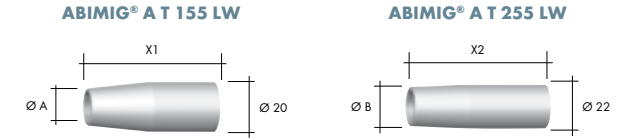
Wire size: 0.8–1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
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 long	004.D850.1	004.D851.1	004.D852.1	45°	004.D831.1

Definition: T = turnable/exchangeable torch neck, LW = lightweight cable assembly
Attention: The specified variants correspond to the "BASIC" version. Further versions (COMBI, VARIO, FREE STYLE) on request.

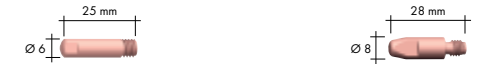
ABIMIG® A T 155 LW, ABIMIG® A T 255 LW

Wear parts



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
Conical	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
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382



Contact tip holder (5 pcs.)

	006.D719.5	004.D624.5
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Spacer (5 pcs.)

	767.D607.5	767.D637.5
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Torch neck liner for T-torches

Standard	Ø 0.8	122.D037	122.D037
	Ø 1.0	122.D038	122.D038
	Ø 1.2	-	122.D038
Brass for Al	Ø 0.8	122.D040	122.D040
	Ø 1.0	122.D040	122.D041
	Ø 1.2	-	122.D041

Liner	Liner	for 3 m	for 4 m	for 5 m
		Ø 0.8	124.0011	124.0012
PTFE liner	Ø 1.0	124.0026	124.0031	124.0035
	Ø 1.2	124.0026	124.0031	124.0035
	Ø 0.8	126.0005	126.0008	126.0011
Carbon	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
	Ø 0.8	127.0002	127.0003	127.0004
PTFE liner	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008

MIG/MAG Welding Torches "ABIMIG® A T LW"

Air cooled • rating 260 A up to 400 A

- New welding torch series and lightweight "Bikox® LW" cable assembly - Up to 50% lighter than comparable standard torches
- Newly designed ergonomic torch handle, available with optional Up/Down module - Improved working comfort
- Universal contact tip holder (contact tip holder, gas diffuser and gas nozzle holder all in one) - Reduces stocking requirements and costs
- Screwable, thermally insulated gas nozzle - Longer service life of the torch - Cost reduction
- Turnable, quick-change torch neck - increased working comfort and reduction of service costs



ABIMIG® A T 305 LW

Technical data (EN 60 974-7):

Rating: 290 A CO₂
260 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.8-1.2 mm

ABIMIG® A T 355 LW

Technical data (EN 60 974-7):

Rating: 340 A CO₂
320 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 1.0-1.6 mm

ABIMIG® A T 405 LW*

Technical data (EN 60 974-7):

Rating: 400 A CO₂
370 A Mixed Gases
M21 (DIN EN 439)

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 T 305 LW	Trigger long	018.D960.1	018.D961.1	018.D962.1	45°	014.H356.1
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 long	015.D070.1	015.D071.1	015.D072.1	45°	015.D082.1

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

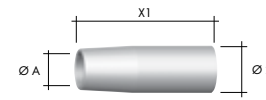
Attention: The specified variants correspond to the "BASIC" version. Further versions (COMBI, VARIO, FREE STYLE) on request.

*The ABIMIG® A T 405 LW is adjustable in 45° steps.

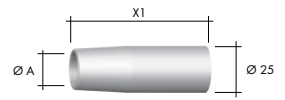
ABIMIG® A T 305 LW, ABIMIG® A T 355 LW, ABIMIG® A T 405 LW

Wear parts

ABIMIG® A T 305 / 355 LW

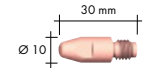
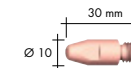


ABIMIG® A T 405 LW



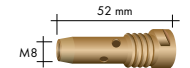
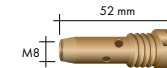
Gas nozzle (5 pcs.)

	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	Ø 18	72 mm	145.D021
Conical	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
E-Cu for Al	Ø 0.8	141.0003	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	140.0117
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445	140.0445
	Ø 1.6	140.0590	140.0590



Contact tip holder (5 pcs.)

M8	014.D745.5	014.D745.5
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Spacer (5 pcs.)

	767.D668.5	015.D080.5
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Torch neck liner for T-torches

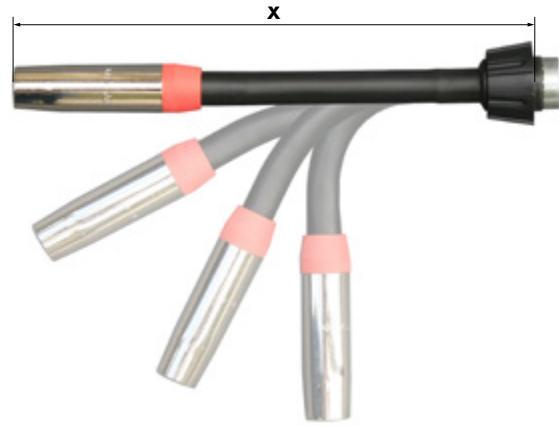
Standard	Ø 0.8	122.D037	-
	Ø 1.0-1.2	122.D038	122.D077
	Ø 1.6	122.D045	122.D078
Brass for Al	Ø 1.0	122.D040	122.D040
	Ø 1.0-1.2	122.D041	122.D041

Liner		305 / 355	405	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	124.D116	124.0031	124.D117	124.0035	124.D118
	1.6	124.0041	124.D119	124.0042	124.D120	124.0044	124.D121
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	-

Note: Combined wire guides for ABIMIG® A / A T 405 LW on page 33.

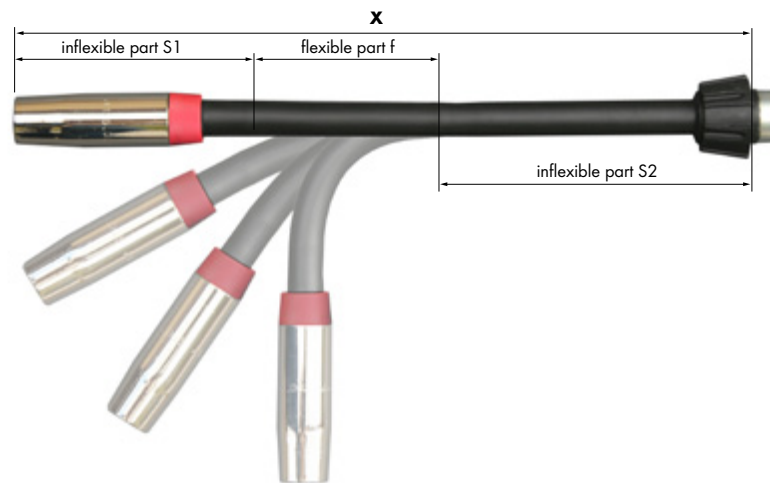
MIG/MAG Welding Torches "ABIMIG® A T LW"

Flexible changeable torch necks



Compatible for torch line ABIMIG® T and ABIMIG® A T with torch neck interface (M22 x 1.5).

FLEX copl.		For contact tip	X
006.0133.1	COMBI-Neck A T 155 T8	M6	230
004.0646.1	COMBI-Neck A T 255 T8	M6	250
018.0191.1	COMBI-Neck A T 305 T8	M8	250



Flexible special torch necks:
The flexible special torch necks combine an inflexible straight torch neck and a flexible front end.

FLEX copl.		For contact tip	X	f	S1	S2
018.0198.1	COMBI-Neck A T 305 T8	M8	350	108	96	146
018.0199.1	COMBI-Neck A T 305 T8	M8	500	180	96	296

MIG/MAG Gas nozzles and Contact tips

Gas nozzles for narrow gap welding

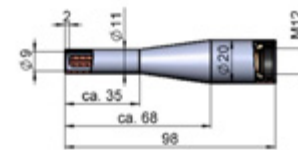


For all torches ABIMIG® 155 ... 405

- Compatible for standard tip holders
- Special gas nozzles and contact tips are necessary
- All Gas nozzles are nickel plated.
- The contact tip material is CuCrZr.

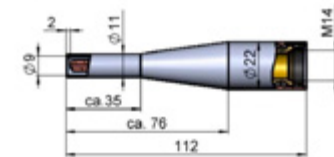
Attention:

- The amperage rates are reduced based on the small gap welding conditions and the small tube walls of the gas nozzles.
- Because of the small gap between the gas nozzle and the contact tip a regular cleaning is a protection against short circuit.



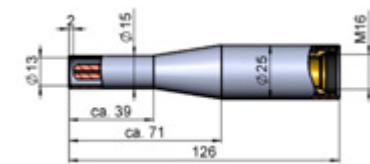
For ABIMIG® 155

Gas nozzle BOT M12 DN9 L98	145.D450.5
Contact tip CuCrZr M6/0.8/71	140.1644.10
Contact tip CuCrZr M6/0.8/71	140.D465.10



For ABIMIG® 255

Gas nozzle BOT M14 DN9 L112	145.D448.5
Contact tip CuCrZr M6/0.8/71	140.1644.10
Contact tip CuCrZr M6/1.0/71	140.D465.10
Contact tip CuCrZr M6/1.2/71	140.D466.10



For ABIMIG® 305/355/405

Gas nozzle BOT M16 DN13 L126	145.D437.5
Contact tip CuCrZr M8/1.0/85	140.1584.10
Contact tip CuCrZr M8/1.2/85	140.1585.10

MIG/MAG Welding Torches "ABIMIG® A LW"

Air cooled • rating 170 A up to 230 A

MIG/MAG welding torches ABIMIG® A LW with fixed torch neck open a new chapter in the development of the successful ABIMIG® line. Optimized production technologies and materials enabled the increase of product strengths, especially for use in the most severe environment. So, tasks with averages up to 350 A can be trouble-free welded air-cooled. The proven ABIMIG® parts show also in this power range secure both gas coverage and durability.

The torches of the ABIMIG® A LW series utilize the Low Weight Bikox®, which gives perfect balance to the torches for effortless welding in all positions. All torches are carefully designed to provide comfortable and precise operation.

- Low Weight Bikox® - up to 50 % weight saving
- Screw-on gas nozzle with thermo-protective insulation - extending torch life
- Function integrated tip holder (gas diffuser, gas nozzle holder and contact tip holder in one piece) - reduces stock requirements
- Laminar gas feed - excellent gas coverage for best welding results
- Changeable gas nozzle seat - "extends" operating cycle of the torch neck and reduces maintenance costs
- Electrically insulated liner and connection nut (on the central adaptor) - enables exact setting of the arc parameters and therefore repeatability of welding results

ABIMIG® A 155 LW

Technical data (EN 60 974-7):

Rating: 170 A CO₂
170 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60 %

Wire size: 0.6 - 1.0 mm

ABIMIG® A 255 LW

Technical data (EN 60 974-7):

Rating: 230 A CO₂
220 A Mixed Gases
M21 (DIN EN 439)

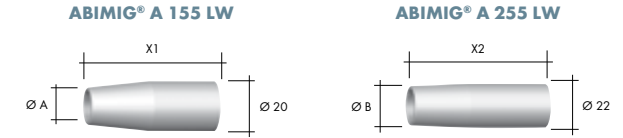
Duty cycle: 60 %

Wire size: 0.8 - 1.2 mm

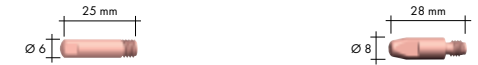
Torch complete Type	Handle	Part-No.			Swan neck Part-No.
		3 m	4 m	5 m	
ABIMIG® A 155 LW	Trigger short	767.0030.1	767.0031.1	767.0032.1	45° 767.0024.1
ABIMIG® A 155 LW	Trigger long	767.0062.1	767.0063.1	767.0064.1	45° 767.0024.1
ABIMIG® A 255 LW	Trigger short	767.0033.1	767.0034.1	767.0035.1	45° 767.0027.1
ABIMIG® A 255 LW	Trigger long	767.0065.1	767.0066.1	767.0067.1	45° 767.0027.1

ABIMIG® A 155 LW, ABIMIG® A 255 LW

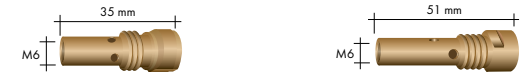
Wear parts



Gas nozzle (5 pcs.)	ABIMIG® A 155 LW			ABIMIG® A 255 LW		
	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
Conical	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



Contact tip (10 pcs.)	ABIMIG® A 155 LW		ABIMIG® A 255 LW	
	Ø	Length	Ø	Length
E-Cu	Ø 0.8	140.0059	Ø 0.8	140.0051
	Ø 1.0	140.0253	Ø 1.0	140.0242
	Ø 1.2	-	Ø 1.2	140.0379
E-Cu for Al	Ø 0.8	141.0002	Ø 0.8	141.0001
	Ø 1.0	141.0007	Ø 1.0	141.0006
	Ø 1.2	-	Ø 1.2	141.0010
CuCrZr	Ø 0.8	140.0062	Ø 0.8	140.0054
	Ø 1.0	140.0256	Ø 1.0	140.0245
	Ø 1.2	-	Ø 1.2	140.0382



Contact tip holder (5 pcs.)	ABIMIG® A 155 LW	ABIMIG® A 255 LW
	006.D719.5	004.D624.5

Spacer (5 pcs.)	ABIMIG® A 155 LW	ABIMIG® A 255 LW
	767.D607.5	767.D637.5

Liner	Ø	for 3 m	for 4 m	for 5 m
		Part-No.	Part-No.	Part-No.
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
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008

MIG/MAG Welding Torches "ABIMIG® A LW"

Air cooled • rating 255 A up to 400 A



ABIMIG® A 305 LW

Technical data (EN 60 974-7):

Rating: 280 A CO₂
260 A Mixed Gases
M21 (DIN EN 439)

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 Gases
M21 (DIN EN 439)

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 Gases
M21 (DIN EN 439)

Duty cycle: 60%

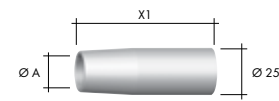
Wire size: 1.2–1.6 mm
(up to 2.4 mm on demand)

Torch complete		Part-No.			Swan neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 305 LW	Trigger short	767.0036.1	767.0037.1	767.0038.1	45°	767.0045.1
ABIMIG® A 305 LW	Trigger long	767.0068.1	767.0069.1	767.0070.1	45°	767.0045.1
ABIMIG® A 355 LW	Trigger short	767.0039.1	767.0040.1	767.0041.1	50°	767.0050.1
ABIMIG® A 355 LW	Trigger long	767.0071.1	767.0072.1	767.0073.1	50°	767.0050.1
ABIMIG® A 405 LW	Trigger short	767.0042.1	767.0043.1	767.0044.1	50°	767.0055.1
ABIMIG® A 405 LW	Trigger long	767.0074.1	767.0075.1	767.0076.1	50°	767.0055.1

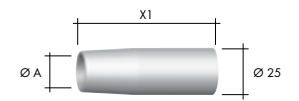
ABIMIG® A 305 LW, ABIMIG® A 355 LW, ABIMIG® A 405 LW

Wear parts

ABIMIG® A 305 / 355 LW

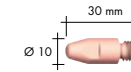


ABIMIG® A 405 LW

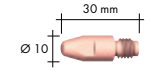


Gas nozzle (5 pcs.)

	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	Ø 18	72 mm	145.D021
Conical	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



M8



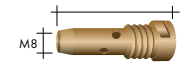
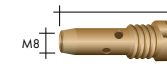
M8

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
E-Cu for Al	Ø 0.8	141.0003	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	140.0117
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445	140.0445
	Ø 1.6	140.0590	140.0590

52 mm

52 mm



Contact tip holder (5 pcs.)

M8	014.D745.5	014.D745.5
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Spacer (5 pcs.)

	767.D668.5	015.D080.5
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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	124.D116	124.0031	124.D117	124.0035	124.D118		
	1.6	124.0041	124.D119	124.0042	124.D120	124.0044	124.D121		
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	-		

Note: Combined wire guides for ABIMIG® A / A T 405 LW on page 33.

MIG/MAG Welding Torches "ABIMIG® W T"

Liquid cooled • rating 350 A up to 600 A

Welding torches in the ABIMIG® W T series convince through higher load limits than traditional torches of the same size, because the cooling concept that was redesigned by ABICOR BINZEL protects wearing parts even better against overheating with high power consumption as well.

A spatter protector integrated in the gas nozzles makes them particularly resistant and can be replaced separately where required. In addition, the torch necks and the gas nozzle are nickel-plated, in order to reduce spatter adhesions to a minimum.

Thanks to the rotatable and exchangeable torch necks in various lengths and geometries welders can adjust the ABIMIG® W T torch exactly to their needs.

- Long-life screw-in gas nozzles with integrated, exchangeable spatter protection
- A single basic torch for three capacities – reduces storage and maintenance costs
- Quick change, freely positionable torch necks – increase working comfort and reduce servicing costs
- Torch necks available in many different lengths and bending angles – for best accessibility
- Extended and short triggers available – for best handling
- Tried-and-tested ergonomic grip – easy to hold in all positions



ABIMIG® W T 340

Technical data (EN 60 974-7):

Rating: 400 A CO₂
350 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8 - 1.2 mm

ABIMIG® W T 440

Technical data (EN 60 974-7):

Rating: 500 A CO₂
450 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8 - 1.6 mm

ABIMIG® W T 540

Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0 - 1.6 mm

Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® W T 340	Trigger short	788.0041.1	788.0042.1	788.0043.1	50°	788.0020.1
ABIMIG® W T 340	Trigger long	788.0116.1	788.0117.1	788.0118.1	50°	788.0020.1
ABIMIG® W T 440	Trigger short	788.0044.1	788.0045.1	788.0046.1	50°	788.0005.1
ABIMIG® W T 440	Trigger long	788.0119.1	788.0120.1	788.0121.1	50°	788.0005.1
ABIMIG® W T 540	Trigger short	788.0047.1	788.0048.1	788.0049.1	50°	788.0026.1
ABIMIG® W T 540	Trigger long	788.0122.1	788.0123.1	788.0124.1	50°	788.0026.1

ABIMIG® W T 340, ABIMIG® W T 440, ABIMIG® W T 540

Wear parts



Gas nozzle incl. spatter protection² (5 pcs.)

	Ø A		Ø A		Ø A	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5 ¹	Ø 14.5	145.D092.5 ¹	Ø 16	145.0735.5 ¹
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5
Spatter protector		146.0081.10		146.D003.10		146.0080.10

Contact tip (10 pcs.)

		M6	M8	M8
E-Cu	Ø 0.8	140.0051	140.0114	-
	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	-	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0033	-
	Ø 1.0	141.0006	141.0008	141.0008
	Ø 1.2	141.0010	141.0015	141.0015
	Ø 1.6	-	141.0022	141.0022
CuCrZr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245 ¹	140.0316	140.0316
	Ø 1.2	140.0382	140.0445 ¹	140.0445 ¹
	Ø 1.6	-	140.0590	140.0590

Contact tip holder (5 pcs.)

	X	X	X	X	
Brass	24.0	142.0241.5	26.0	142.0252.5	
	26.0	142.0242.5 ¹	28.0	142.0253.5 ¹	
	-	-	31.0	142.0243.5	
CuCrZr	-	-	-	-	
	-	-	-	25.0	142.0247.5
	-	-	-	27.0	142.0240.5 ¹

Torch neck liner

Spiral	Ø 0.8 - 1.2	123.D097 ¹	123.D097 ¹	123.D097 ¹
	Ø 1.4 - 1.6	-	123.D098	123.D098
BPL liner	Ø 0.8 - 1.2	149.0418.1	149.0418.1	149.0418.1
	Ø 1.4 - 1.6	149.0420.1	149.0420.1	149.0420.1

Liner		for 3 m	for 4 m	for 5 m
Spiral	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111 ¹	124.0112 ¹	124.0113 ¹
	Ø 1.2	124.0111 ¹	124.0112 ¹	124.0113 ¹
	Ø 1.6	124.0114	124.0115	124.0116
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
BPL liner	Ø 1.6	126.0039	126.0042	126.0045
	Ø 0.8	126.0069	126.0070	126.0071
	Ø 1.0	126.0069	126.0070	126.0071
	Ø 1.2	126.0069	126.0070	126.0071
	Ø 1.6	126.0072	126.0073	126.0074

¹ Included in the standard equipment for complete torches.

² The integrated spatter protection is already contained in the above-mentioned gas nozzles and can be ordered separately on request.

MIG/MAG Welding Torches "ABIMIG® W"

Liquid cooled • rating 350 A up to 600 A

Welding torches in the ABIMIG® W series convince through higher load limits than traditional torches of the same size, because the cooling concept that was redesigned by ABICOR BINZEL protects wearing parts even better against overheating with high power consumption as well.

A spatter protector integrated in the gas nozzles makes them particularly resistant and can be replaced separately where required. In addition, the torch necks and the gas nozzle are nickel-plated, in order to reduce spatter adhesions to a minimum.

- Long-life screw-in gas nozzles with integrated, exchangeable spatter protection
- Extended and short triggers available - for best handling
- Tried-and-tested ergonomic grip - easy to hold in all positions



ABIMIG® W 340

Technical data (EN 60 974-7):

Rating: 400 A CO₂
350 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8 - 1.2 mm

ABIMIG® W 440

Technical data (EN 60 974-7):

Rating: 500 A CO₂
450 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8 - 1.6 mm

ABIMIG® W 540

Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0 - 1.6 mm

Note for liquid cooled torches:
To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® W 340	Trigger short	766.1530.1	766.1531.1	766.1532.1	50°	766.1553.1
ABIMIG® W 340	Trigger long	766.1558.1	766.1559.1	766.1560.1	50°	766.1553.1
ABIMIG® W 440	Trigger short	766.1533.1	766.1534.1	766.1535.1	50°	766.1548.1
ABIMIG® W 440	Trigger long	766.1561.1	766.1562.1	766.1563.1	50°	766.1548.1
ABIMIG® W 540	Trigger short	766.1536.1	766.1537.1	766.1538.1	50°	766.1539.1
ABIMIG® W 540	Trigger long	766.1564.1	766.1565.1	766.1566.1	50°	766.1539.1

ABIMIG® W 340, ABIMIG® W 440, ABIMIG® W 540

Wear parts



Gas nozzle incl. spatter protection² (5 pcs.)

	Ø A		Ø A		Ø A	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5 ¹	Ø 14.5	145.D092.5 ¹	Ø 16	145.0735.5 ¹
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5
Spatter protector		146.0081.10		146.D003.10		146.0080.10

Contact tip (10 pcs.)

	Ø	M6	M8	M8
E-Cu	Ø 0.8	140.0051	140.0114	-
	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	-	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0033	-
	Ø 1.0	141.0006	141.0008	141.0008
	Ø 1.2	141.0010	141.0015	141.0015
	Ø 1.6	-	141.0022	141.0022
CuCrZr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245 ¹	140.0316	140.0316
	Ø 1.2	140.0382	140.0445 ¹	140.0445 ¹
	Ø 1.6	-	140.0590	140.0590

Contact tip holder (5 pcs.)

	X	X	X	X
Brass	24.0	142.0241.5	26.0	142.0252.5
	26.0	142.0242.5 ¹	28.0	142.0253.5 ¹
CuCrZr	-	-	31.0	142.0243.5
	-	-	-	-
	-	-	25.0	142.0247.5
	-	-	27.0	142.0248.5

Liner	for 3 m	for 4 m	for 5 m	
				Ø
Spiral	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111 ¹	124.0112 ¹	124.0113 ¹
	Ø 1.2	124.0111 ¹	124.0112 ¹	124.0113 ¹
	Ø 1.6	124.0114	124.0115	124.0116
	Ø 1.6	126.0039	126.0042	126.0045
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
BPL liner	Ø 0.8	126.0069	126.0070	126.0071
	Ø 1.0	126.0069	126.0070	126.0071
	Ø 1.2	126.0069	126.0070	126.0071
	Ø 1.6	126.0072	126.0073	126.0074

¹ Included in the standard equipment for complete torches.

² The integrated spatter protection is already contained in the above-mentioned gas nozzles and can be ordered separately on request.

MIG/MAG Gas nozzles and Contact tips

Gas nozzles for narrow gap welding

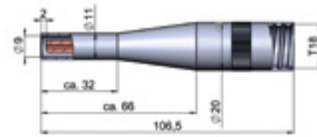


For all torches ABIMIG® W / W T

- Compatible for standard tip holders
- Special gas nozzles and contact tips are necessary
- All Gas nozzles are nickel plated.
- The contact tip material is CuCrZr.

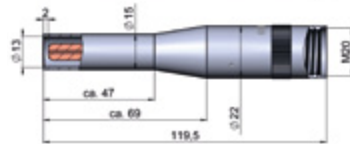
Attention:

- The amperage rates are reduced based on the small gap welding conditions and the small tube walls of the gas nozzles.
- Because of the small gap between the gas nozzle and the contact tip a regular cleaning is a protection against short circuit.



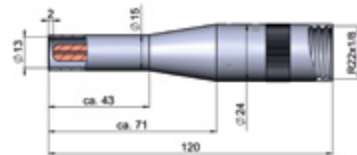
For ABIMIG® W / W T 340

Gas nozzle BOT T18 DN9 L106.5	145.0817.5
Contact tip CuCrZr M6/0.8/71	140.1644.10
Contact tip CuCrZr M6/1.0/71	140.D465.10
Contact tip CuCrZr M6/1.2/71	140.D466.10



For ABIMIG® W / W T 440

Gas nozzle BOT M20 DN13 L119.5	145.0819.5
Contact tip CuCrZr M8/1.0/85	140.1584.10
Contact tip CuCrZr M8/1.2/85	140.1585.10



For ABIMIG® W / W T 540

Gas nozzle BOT R22x1/8 DN13 L120	145.0821.5
Contact tip CuCrZr M8/1.0/85	140.1584.10
Contact tip CuCrZr M8/1.2/85	140.1585.10

Notes

