

# MIG/MAG CATALOG 5.0










**MIG/MAG Welding Technology for all  
Metalworking Industries.**










# INDEX MIG/MAG

## SYSTEM MB

		COOLING	RATING	PAGE
<b>MB EVO PRO</b> FROM PAGE 4	MB EVO PRO 15 ■ MB EVO PRO 25		150-230 A	6
	MB EVO PRO 24 ■ MB EVO PRO 26 MB EVO PRO 36		220-320 A	8
	MB EVO PRO 240 D ■ MB EVO PRO 401 D MB EVO PRO 501 D		300-550 A	10
<b>MB EVO</b> FROM PAGE 12	MB EVO 15 ■ MB EVO 25		150-230 A	14
	MB EVO 24 ■ MB EVO 26 ■ MB EVO 36		220-320 A	16
	MB EVO 240 D ■ MB EVO 401 D MB EVO 501 D		270-500 A	18
	<b>ABIMIG® GRIP</b> FROM PAGE 20	ABIMIG® GRIP W 555 D ABIMIG® GRIP W 555 TS		400-550 A

## SYSTEM ABIMIG®

<b>ABIMIG® A T LW</b> FROM PAGE 24	ABIMIG® A T 155 LW ■ ABIMIG® A T 255 LW		180-240 A	26
	ABIMIG® A T 305 LW ■ ABIMIG® A T 355 LW ABIMIG® A T 405 LW		260-400 A	28
	ABIMIG® A T 155 S LW ■ ABIMIG® A T 255 S LW ABIMIG® A T 355 S LW		260-400 A	30
<b>ABIMIG® A LW</b> FROM PAGE 32	ABIMIG® A 155 LW ■ ABIMIG® A 255 LW		170-230 A	34
	ABIMIG® A 305 LW ■ ABIMIG® A 355 LW ABIMIG® A 405 LW		255-400 A	36
	<b>ABIMIG® W T</b> FROM PAGE 38	ABIMIG® W T 340 ■ ABIMIG® W T 440 ABIMIG® W T 540		350-550 A
<b>ABIMIG® W</b> FROM PAGE 42	ABIMIG® W 340 ■ ABIMIG® W 440 ABIMIG® W 540		350-550 A	44







AIR COOLED





LIQUID COOLED




## AUTOMATIC WELDING TORCHES

		COOLING	RATING	PAGE
<b>AUTOMATIC WELDING TORCHES</b> FROM PAGE 46	WITH FIXED TORCH NECK	 	220-550 A	48
	WITH EXCHANGEABLE TORCH NECK	 	220-530 A	49

## PUSH-PULL PLUS

<b>PUSH-PULL PLUS</b> FROM PAGE 50	PUSH-PULL PLUS 36 ■ PUSH-PULL PLUS 401 D	 	270-400 A	52
---------------------------------------	--	---	-----------	----

## WELDING TORCHES FOR SELF-SHIELDING FLUX-CORED WIRES

<b>FLUX</b> FROM PAGE 54	ALPHA FLUX 350		330 A	56
	ABIMIG® FLUX EXCHANGEABLE NECKS FCAW-S			57
	NARROW GAP SYSTEM FLUX PRO			57

## ACCESSORIES & SPECIAL EQUIPMENT

<b>ACCESSORIES &amp; SPECIAL EQUIPMENT</b> FROM PAGE 58	INDEX			59
--	-------	--	--	----







# MB EVO PRO



# MIG/MAG WELDING TORCHES **MB EVO PRO**



- ✓ **Air or liquid cooling**
- ✓ **Lightweight BIKOX® LW cable assembly**
- ✓ **Optimal handling concept**

**Experienced professionals:** The torch series MB EVO PRO is the established standard for demanding industrial welding. The torches are optionally available in air or liquid cooled versions. Air cooled MB EVO PRO torches with the particularly light BIKOX® LW cable assembly enable relaxed welding in any position. Due to the cooler frontend, liquid cooled MB EVO PRO torches offer especially long service lives and additional power reserves. All MB EVO PRO torches are excellent to handle and fit perfectly in the hand.

### MB EVO PRO advantages

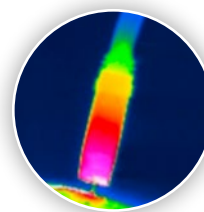
- Maximum service life and proven MB wear part concept
- Lightweight BIKOX® LW cable assembly takes the strain off the welder
- Robust, ergonomic 2-component handle
- Easy-to-repair design, simplest maintenance
- Remote control modules optionally available



OPTIMAL  
BALANCE



PERFECT  
ERGONOMICS



OPTIMIZED  
COOLING

For special torch necks & gas nozzles see chapter "Accessories & special equipment"

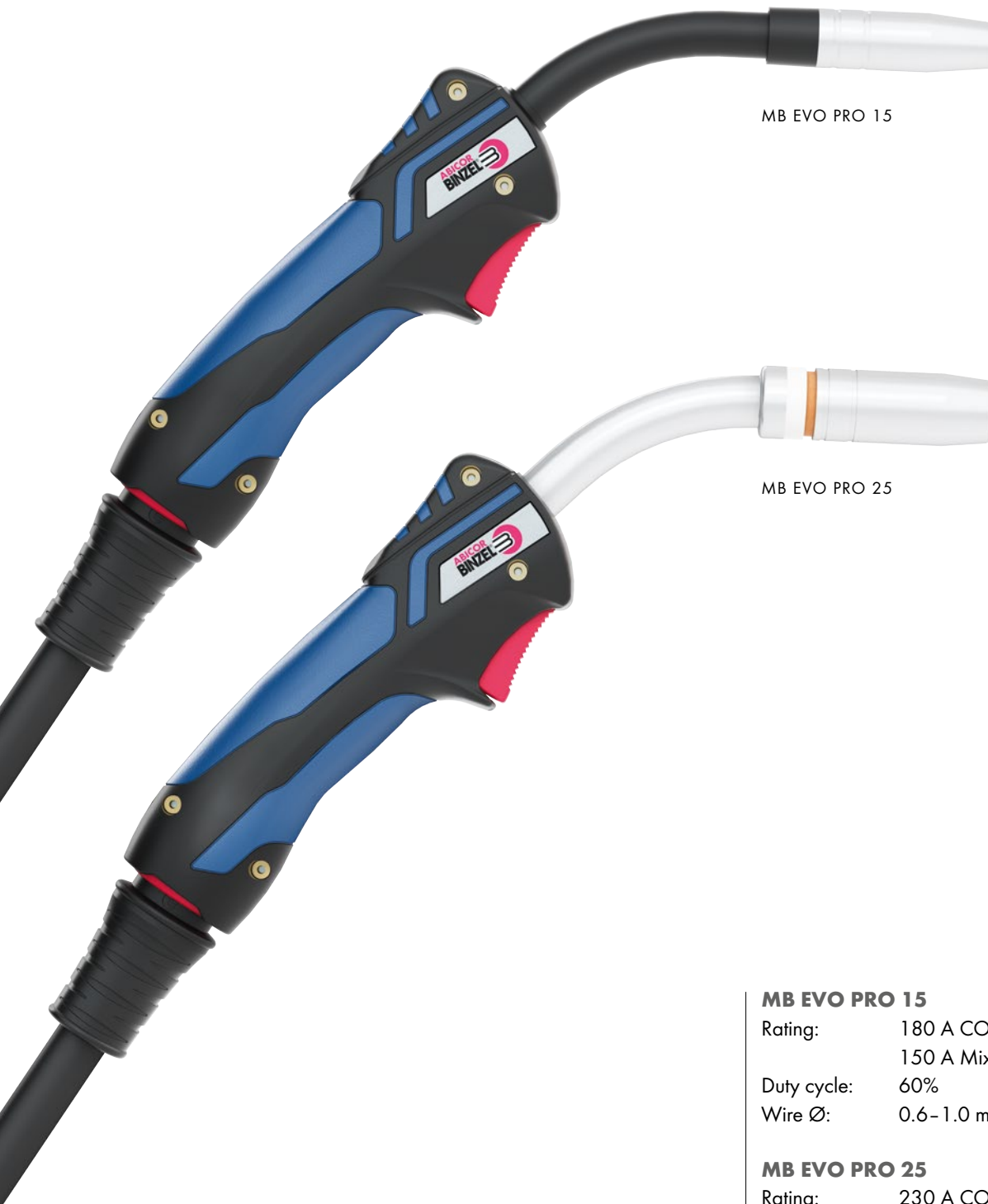


Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
MB EVO PRO 15	air cooled	180 A	150 A	60%	0.6-1.0 mm	6
MB EVO PRO 25	air cooled	230 A	200 A	60%	0.8-1.2 mm	6
MB EVO PRO 24	air cooled	250 A	220 A	60%	0.8-1.2 mm	8
MB EVO PRO 26	air cooled	270 A	240 A	60%	0.8-1.2 mm	8
MB EVO PRO 36	air cooled	320 A	290 A	60%	0.8-1.2 mm	8
MB EVO PRO 240 D	liquid cooled	325 A	300 A	100%	0.8-1.2 mm	10
MB EVO PRO 401 D	liquid cooled	450 A	500 A	100%	0.8-1.2 mm	10
MB EVO PRO 501 D	liquid cooled	550 A	500 A	100%	1.0-1.6 mm	10

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

# MIG/MAG WELDING TORCHES **MB EVO PRO**

## **MB EVO PRO 15** ■ **MB EVO PRO 25**



MB EVO PRO 15

MB EVO PRO 25

150-  
230 A



### **MB EVO PRO 15**

Rating: 180 A CO<sub>2</sub>  
150 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.6-1.0 mm

### **MB EVO PRO 25**

Rating: 230 A CO<sub>2</sub>  
200 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8-1.2 mm

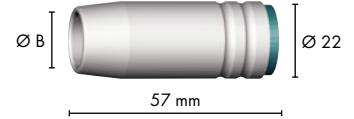
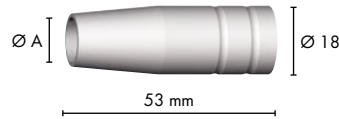
Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
MB EVO PRO 15	MB EVO PRO	002.0712.1	002.0713.1	002.0714.1	50°	002.0715.1
MB EVO PRO 25	MB EVO PRO	004.0671.1	004.0672.1	004.0673.1	50°	004.0663.1

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

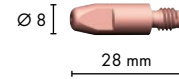
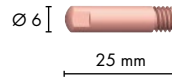
## Wear parts

### MB EVO PRO 15

### MB EVO PRO 25



Gas nozzle (10 pcs.)	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075*	Ø 15	145.0076**
Tapered	Ø 9.5	145.0123	Ø 11.5	145.0124

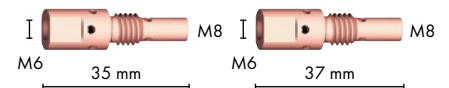


Contact tip (10 pcs.)	M6		M6	
E-Cu	Ø 0.6	140.0008	-	-
	Ø 0.8	140.0059	140.0051	-
	Ø 1.0	140.0253	140.0242	-
	Ø 1.2	-	140.0379	-
CuCrZr	Ø 0.6	140.0855	-	-
	Ø 0.8	140.0062*	140.0054	-
	Ø 1.0	140.0256	140.0245**	-
	Ø 1.2	-	140.0382	-

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



Nozzle spring (100 pcs.)	002.0058*	003.0013**



Gas nozzle holder (1 pc.) Contact tip holder (10 pcs.)	002.0078.10*	142.0001**	142.0267.10
M6			



Liner	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.6	124.0011	124.0012	124.0015
	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 MB EVO PRO 15

\*\* Included in the standard equipment for complete torches MB EVO PRO 25



# MIG/MAG WELDING TORCHES **MB EVO PRO**

## **MB EVO PRO 24** ■ **MB EVO PRO 26** ■ **MB EVO PRO 36**



MB EVO PRO 24

MB EVO PRO 26

MB EVO PRO 36

Optional control modules  
can be found on page 80.

220 –  
320 A



### **MB EVO PRO 24**

Rating: 250 A CO<sub>2</sub>  
220 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.2 mm

### **MB EVO PRO 26**

Rating: 270 A CO<sub>2</sub>  
240 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.2 mm

### **MB EVO PRO 36**

Rating: 320 A CO<sub>2</sub>  
290 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.2 mm

Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
MB EVO PRO 24	MB EVO PRO	012.0371.1	012.0372.1	012.0373.1	50°	012.0374.1
MB EVO PRO 26	MB EVO PRO	018.0211.1	018.0212.1	018.0213.1	50°	018.0214.1
MB EVO PRO 36	MB EVO PRO	014.0529.1	014.0530.1	014.0531.1	50°	014.0518.1

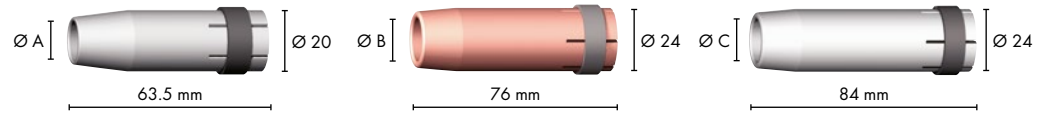
Technical data according to EN 60 974-7 ■ \*DIN EN ISO 14175

## Wear parts

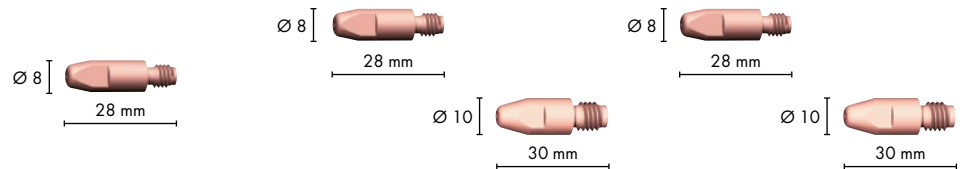
### MB EVO PRO 24

### MB EVO PRO 26

### MB EVO PRO 36

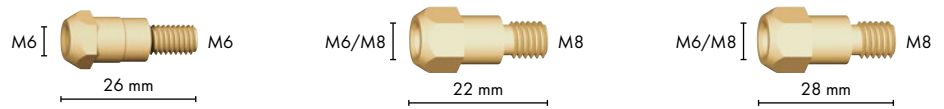


Gas nozzle (10 pcs.)	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 19	145.0045
Conical	Ø 12.5	145.0080*	Ø 16	145.0085**	Ø 16	145.0078***
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126

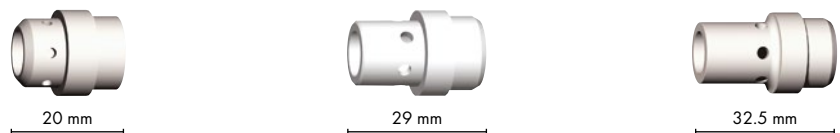


Contact tip (10 pcs.)		M6	M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245*	140.0245**	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445***

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



Contact tip holder (10 pcs.)			
M6	142.0003*	142.0007**	142.0005
M8	-	142.0082	142.0020***



Gas diffusor (10 pcs.)			
Standard	012.0183.10*	018.0116.10**	014.0261.10***
Long life	-	-	014.0026
Ceramic	-	018.0141	014.0023



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 MB EVO PRO 24

\*\* Included in the standard equipment for complete torches MB EVO PRO 26

\*\*\* Included in the standard equipment for complete torches MB EVO PRO 36

# MIG/MAG WELDING TORCHES **MB EVO PRO**

## **MB EVO PRO 240 D** ■ **MB EVO PRO 401 D**

## **MB EVO PRO 501 D**



MB EVO PRO 240 D



MB EVO PRO 401 D



MB EVO PRO 501 D



Optional control modules can be found on page 80.

300 – 550 A



#### 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 4 minutes.

#### **MB EVO PRO 240 D**

Rating: 325 A CO<sub>2</sub>  
300 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8–1.2 mm

#### **MB EVO PRO 401 D**

Rating: 450 A CO<sub>2</sub>  
400 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8–1.2 mm

#### **MB EVO PRO 501 D**

Rating: 550 A CO<sub>2</sub>  
500 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 1.0–1.6 mm

Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
MB EVO PRO 240 D	MB EVO PRO	023.0319.1	023.0320.1	023.0321.1	50°	023.0316.1
MB EVO PRO 401 D	MB EVO PRO	033.0384.1	033.0385.1	033.0386.1	50°	033.0378.1
MB EVO PRO 501 D	MB EVO PRO	034.0862.1	034.0863.1	034.0864.1	50°	034.0856.1

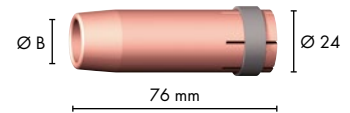
Technical data according to EN 60 974-7 ■ \*DIN EN ISO 14175



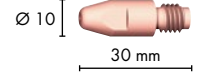
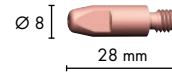
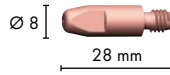
## Wear parts

### MB EVO PRO 240 D

### MB EVO PRO 401/501 D

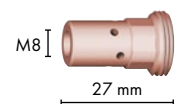
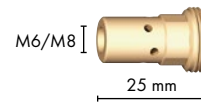
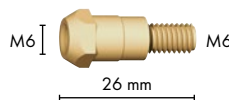


Gas nozzle (10 pcs.)	Ø A		Ø B	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051
Conical	Ø 12.5	145.0080*	Ø 16	145.0085**
Tapered	Ø 10	145.0128	Ø 14	145.0132

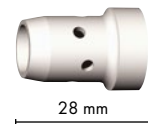
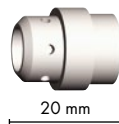


Contact tip (10 pcs.)		M6	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442
	Ø 1.6	-	140.0555	140.0587
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117
	Ø 1.0	140.0245*	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445**
	Ø 1.6	-	140.0558	140.0590

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



Contact tip holder (10 pcs.)			
M6	142.0003*	142.0008	-
M8	-	142.0022	142.0201.10**



Gas diffuser (10 pcs.)		
Standard	012.0183.10*	030.0145.10**
Long life	-	030.0255.10
Ceramic	-	030.0190



Liner	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111*	124.0112*	124.0113*
	Ø 1.2	124.0111**	124.0112**	124.0113**
	Ø 1.6	124.0114	124.0115	124.0116

For more liner see chapter "Accessories & special equipment"

## Standard equipment

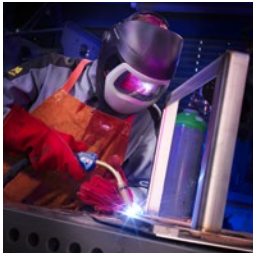
\* Included in the standard equipment for complete torches MB EVO PRO 240

\*\* Included in the standard equipment for complete torches MB EVO PRO 401 D/501 D



**MB EVO**

# MIG/MAG WELDING TORCHES **MB EVO**

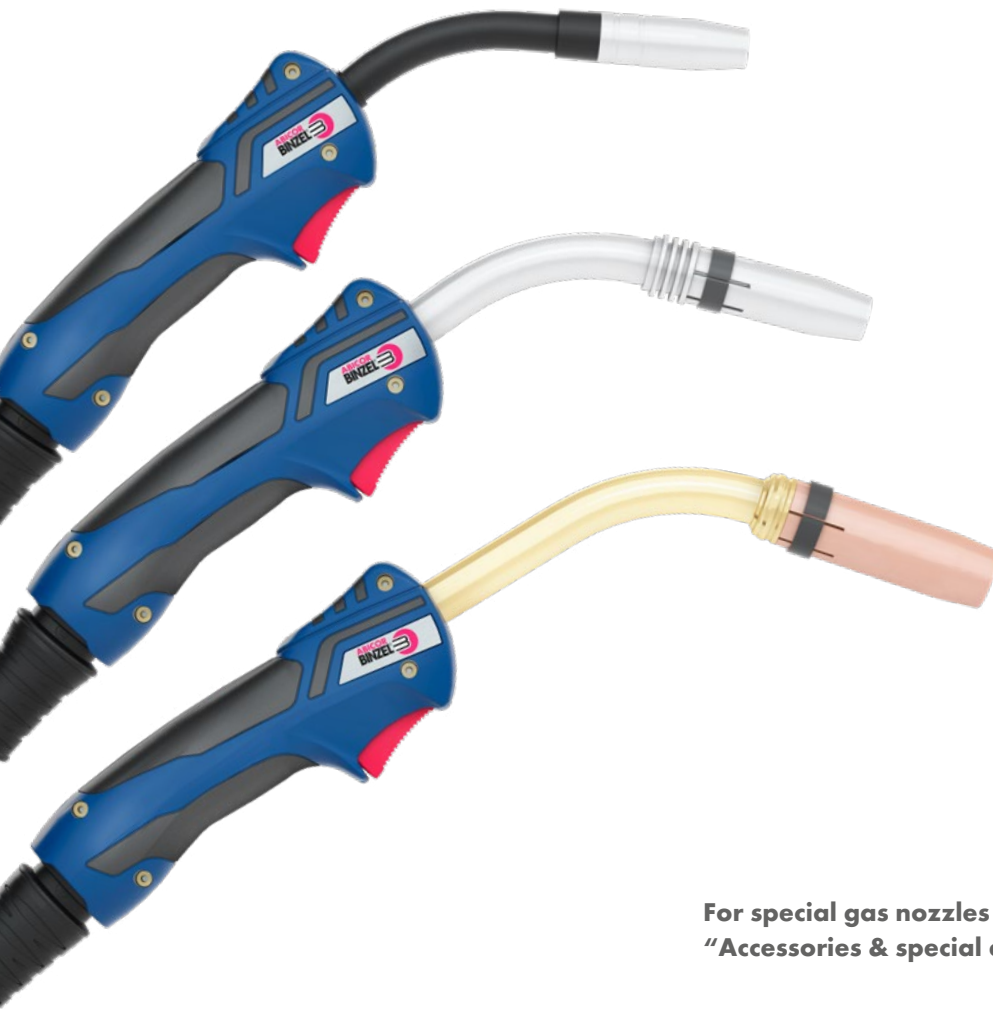


- ✓ Proven, robust industrial torches
- ✓ With air or liquid cooling
- ✓ Versatile use

**Robust classics:** With their tried and tested torch technology and proven design, torches of the MB EVO series are the ideal solution for everyone looking for a robust, reliable torch with a very good price-performance ratio. Thanks to their ergonomic design, they form a perfect unit with the welder's hand. Thus, they permanently ensure the best welding results even under rough operating conditions.

### MB EVO advantages

- Maximum service life and proven MB wear part concept
- Easy-to-repair design, simplest maintenance
- Robust 2-component handle
- Ergonomic design for best handling in any position



For special gas nozzles see chapter  
"Accessories & special equipment"



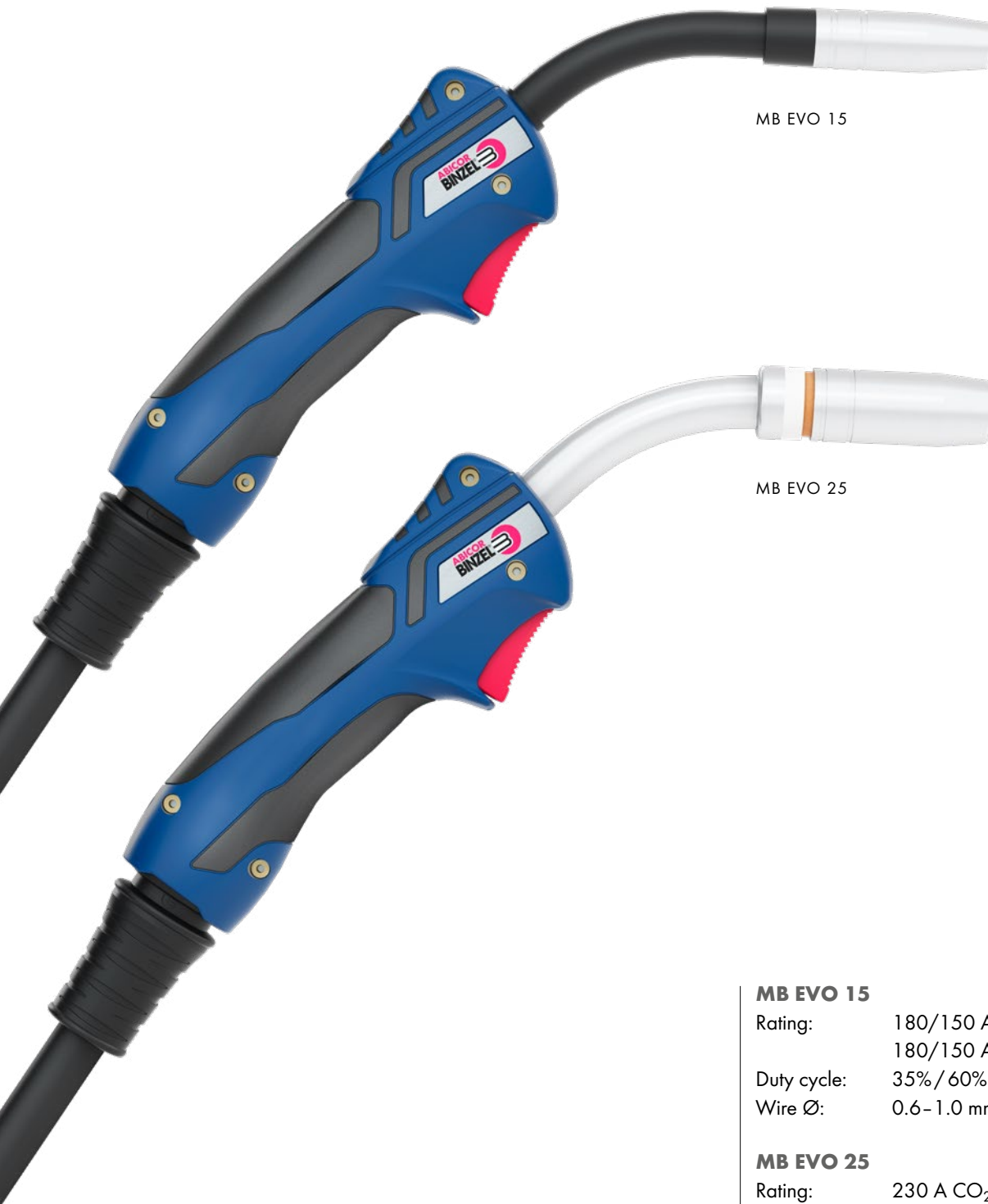
Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
MB EVO 15	air cooled	180/150 A	180/150 A	35%/60%	0.6-1.0 mm	14
MB EVO 25	air cooled	230 A	200 A	60%	0.8-1.2 mm	14
MB EVO 24	air cooled	250 A	220 A	60%	0.8-1.2 mm	16
MB EVO 26	air cooled	270 A	240 A	60%	0.8-1.2 mm	16
MB EVO 36	air cooled	320 A	290 A	60%	0.8-1.2 mm	16
MB EVO 240 D	liquid cooled	300 A	270 A	100%	0.8-1.2 mm	18
MB EVO 401 D	liquid cooled	400 A	350 A	100%	0.8-1.2 mm	18
MB EVO 501 D	liquid cooled	500 A	450 A	100%	1.0-1.6 mm	18

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



# MIG/MAG WELDING TORCHES **MB EVO**

## **MB EVO 15** ■ **MB EVO 25**



MB EVO 15

MB EVO 25

150 –  
230 A



### **MB EVO 15**

Rating: 180/150 A CO<sub>2</sub>  
180/150 A Mixed gas M21\*  
Duty cycle: 35%/60%  
Wire Ø: 0.6–1.0 mm

### **MB EVO 25**

Rating: 230 A CO<sub>2</sub>  
200 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.2 mm

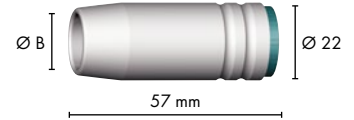
Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
MB EVO 15	MB EVO	002.0709.1	002.0710.1	002.0711.1	50°	002.0715.1
MB EVO 25	MB EVO	004.0668.1	004.0669.1	004.0670.1	50°	004.0663.1

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

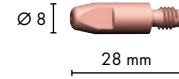
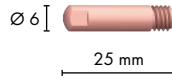
## Wear parts

### MB EVO 15

### MB EVO 25



Gas nozzle (10 pcs.)	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075*	Ø 15	145.0076**
Tapered	Ø 9.5	145.0123	Ø 11.5	145.0124

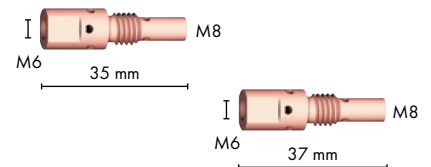


Contact tip (10 pcs.)	M6		M6	
E-Cu	Ø 0.6	140.0008	-	-
	Ø 0.8	140.0059*	140.0051	-
	Ø 1.0	140.0253	140.0242**	-
	Ø 1.2	-	140.0379	-
CuCrZr	Ø 0.6	140.0855	-	-
	Ø 0.8	140.0062	140.0054	-
	Ø 1.0	140.0256	140.0245	-
	Ø 1.2	-	140.0382	-

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



Nozzle spring (100 pcs.)		
	002.0058*	003.0013**



Gas nozzle holder (1 pc.) Contact tip holder (10 pcs.)			
M6	002.0078.10*	142.0001**	142.0267.10



Liner	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.6	124.0011	124.0012	124.0015
	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"

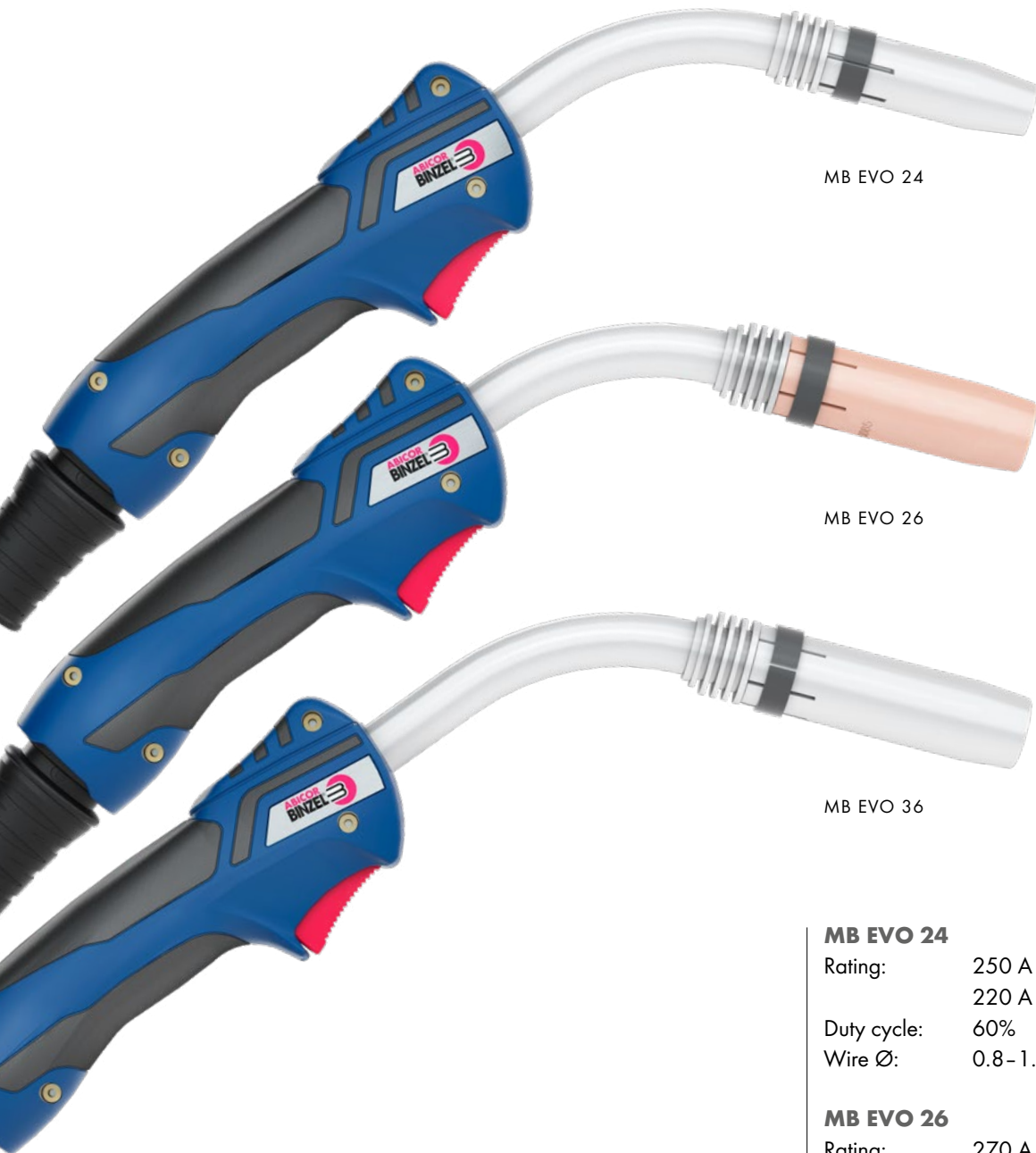
## Standard equipment

\* Included in the standard equipment for complete torches MB EVO 15

\*\* Included in the standard equipment for complete torches MB EVO 25

# MIG/MAG WELDING TORCHES **MB EVO**

## **MB EVO 24** ■ **MB EVO 26** ■ **MB EVO 36**



MB EVO 24

MB EVO 26

MB EVO 36

### **MB EVO 24**

Rating: 250 A CO<sub>2</sub>  
220 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8-1.2 mm

### **MB EVO 26**

Rating: 270 A CO<sub>2</sub>  
240 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8-1.2 mm

### **MB EVO 36**

Rating: 320 A CO<sub>2</sub>  
290 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8-1.2 mm

220 -  
320 A



Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
MB EVO 24	MB EVO	012.0368.1	012.0369.1	012.0370.1	50°	012.0374.1
MB EVO 26	MB EVO	018.0208.1	018.0209.1	018.0210.1	50°	018.0214.1
MB EVO 36	MB EVO	014.0526.1	014.0527.1	014.0528.1	50°	014.0518.1

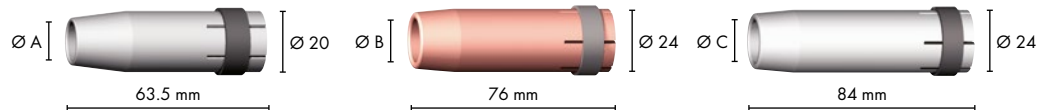
Technical data according to EN 60 974-7 ■ \*DIN EN ISO 14175

## Wear parts

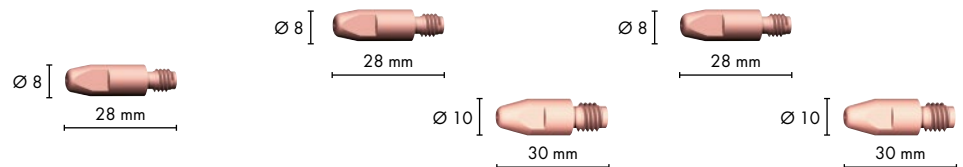
### MB EVO 24

### MB EVO 26

### MB EVO 36

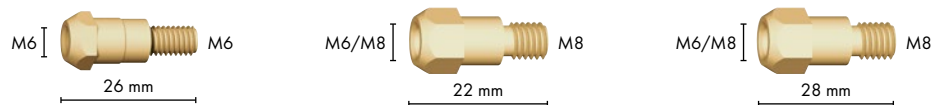


Gas nozzle (10 pcs.)	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 19	145.0045
Conical	Ø 12.5	145.0080*	Ø 16	145.0085**	Ø 16	145.0078***
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126

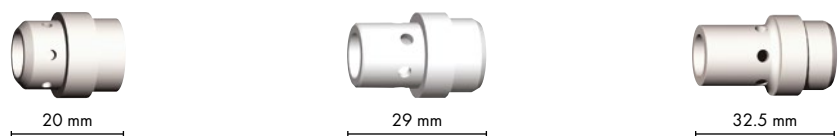


Contact tip (10 pcs.)	M6		M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242*	140.0242**	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442***
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445

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



Contact tip holder (10 pcs.)	M6	M6/M8	M6/M8
M6	142.0003*	142.0007**	142.0005
M8	-	142.0082	142.0020***



Gas diffuser (10 pcs.)	MB EVO 24	MB EVO 26	MB EVO 36
Standard	012.0183.10*	018.0116.10**	014.0261.10***
Long life	-	-	014.0026
Ceramic	-	018.0141	014.0023



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 MB EVO 24

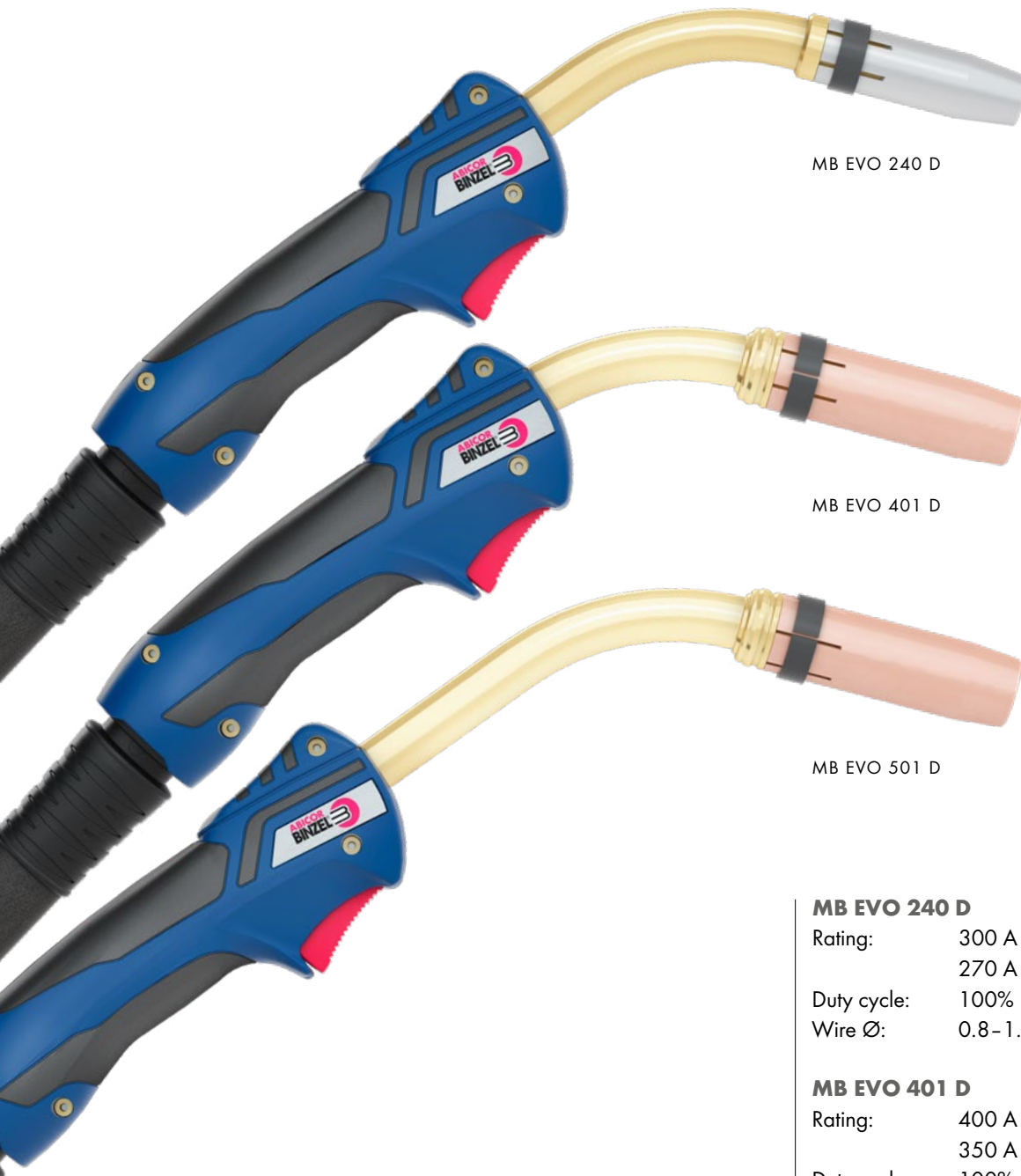
\*\* Included in the standard equipment for complete torches MB EVO 26

\*\*\* Included in the standard equipment for complete torches MB EVO 36



# MIG/MAG WELDING TORCHES **MB EVO**

## **MB EVO 240 D ■ MB EVO 401 D ■ MB EVO 501 D**



MB EVO 240 D

MB EVO 401 D

MB EVO 501 D

### **MB EVO 240 D**

Rating: 300 A CO<sub>2</sub>  
270 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8-1.2 mm

### **MB EVO 401 D**

Rating: 400 A CO<sub>2</sub>  
350 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8-1.2 mm

### **MB EVO 501 D**

Rating: 500 A CO<sub>2</sub>  
450 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 1.0-1.6 mm

**270 –  
500 A**



#### **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 4 minutes.

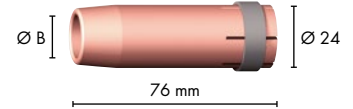
Torch complete	Handle	Part-No.			Torch neck	
		3 m	4 m	5 m	Type	Part-No.
MB EVO 240 D	MB EVO	023.0322.1	023.0323.1	023.0324.1	50°	023.0316.1
MB EVO 401 D	MB EVO	033.0387.1	033.0388.1	033.0389.1	50°	033.0378.1
MB EVO 501 D	MB EVO	034.0865.1	034.0866.1	034.0867.1	50°	034.0856.1

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

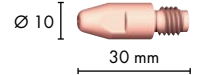
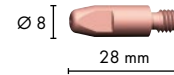
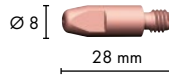
## Wear parts

### MB EVO 240 D

### MB EVO 401 D/501 D

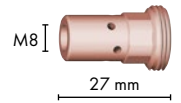
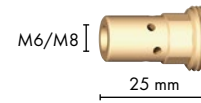
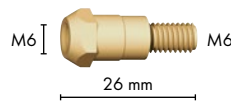


Gas nozzle (10 pcs.)	Ø A		Ø B	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051
Conical	Ø 12.5	145.0080*	Ø 16	145.0085**
Tapered	Ø 10	145.0128	Ø 14	145.0132

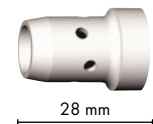


Contact tip (10 pcs.)		M6	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114
	Ø 1.0	140.0242*	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442**
	Ø 1.6	-	140.0555	140.0587
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445
	Ø 1.6	-	140.0558	140.0590

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



Contact tip holder (10 pcs.)			
M6	142.0003*	142.0008	-
M8	-	142.0022**	142.0201.10



Gas diffuser (10 pcs.)		
Standard	012.0183.10*	030.0145.10**
Long life	-	030.0255.10
Ceramic	-	030.0190



Liner	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111*	124.0112*	124.0113*
	Ø 1.2	124.0111**	124.0112**	124.0113**
	Ø 1.6	124.0114	124.0115	124.0116

For more liner see chapter "Accessories & special equipment"

## Standard equipment

\* Included in the standard equipment for complete torches MB EVO 240 D

\*\* Included in the standard equipment for complete torches MB EVO 401 D /501 D





# ABIMIG® GRIP

CE  
EN 470-1  
MIGAS  
STEERING 44-742  
SIZE 10cm LENGTH

# MIG/MAG WELDING TORCHES **ABIMIG® GRIP**



- ✓ **Liquid cooling with dual-circuit cooling system**
- ✓ **For high power and impulse welding**
- ✓ **Durable MB wear parts**

**Cool power packs:** Torches of the liquid cooled ABIMIG® GRIP series show their strengths in the high power range and impulse welding. Their dual-circuit cooling system cools the torches reliably at all times, even when welding long seams at high power. This protects the torches and ensures particularly long service lives as well as reduced replacement costs. Thanks to standard wear parts of the MB series, the variety of parts and storage costs are reduced. ABIMIG® GRIP torches are optionally available with screw-on gas nozzle and various remote control modules.

## **ABIMIG® GRIP advantages**

- Particularly long service lives due to the dual-circuit cooling system
- Economical stock-keeping due to MB wear parts
- Optimal balance thanks to handle with ball joint
- Comfortable operation due to remote control modules on the handle (optional), see page 81
- Screw-on gas nozzle TS (optional)



For special gas nozzles see chapter  
"Accessories & special equipment"



UP TO  
**550 A**

Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
ABIMIG® GRIP W 555 D	liquid cooled	550 A	500/400**A	100%	0.8-1.6 mm	22
ABIMIG® GRIP W 555 D TS	liquid cooled	550 A	500/400**A	100%	0.8-1.6 mm	22

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



# MIG/MAG WELDING TORCHES **ABIMIG® GRIP W**

## **ABIMIG® GRIP W 555 D** ■ **ABIMIG® GRIP W 555 D TS**



ABIMIG® GRIP W 555 D

ABIMIG® GRIP W 555 D TS

400 –  
550 A



**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 4 minutes.

**ABIMIG® GRIP W 555 D**  
**ABIMIG® GRIP W 555 D TS**

Rating: 550 A CO<sub>2</sub>  
500 A Mixed gas M21\*  
400 A Pulse  
Duty cycle: 100%  
Wire Ø: 0.8–1.6 mm

Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP W 555 D	ABIMIG® GRIP	766.0526.1	766.0527.1	766.0528.1	50°	766.0532.1
ABIMIG® GRIP W 555 D TS	ABIMIG® GRIP	766.1457.1	766.1458.1	766.1459.1	50°	766.0900.1

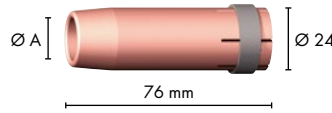
Technical data according to EN 60 974-7 ■ \*DIN EN ISO 14175

## Wear parts

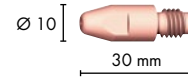
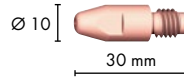
### ABIMIG® GRIP W 555 D

### ABIMIG® GRIP W 555 D TS

W 555/W 555 D (10 pcs.)  
W 555 D TS (5 pcs.)

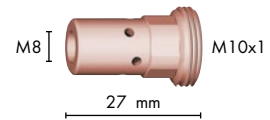
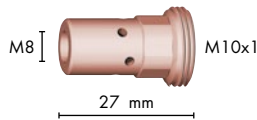


Gas nozzle (10 pcs.)	Ø A (plugged)		Ø B (screwed)	
Cylindrical	Ø 20	145.0051	Ø 20	145.0709.5
Conical	Ø 16	145.0085*	Ø 16	145.0708.5**
Tapered	Ø 14	145.0132	Ø 13	145.0734.5

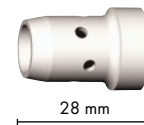
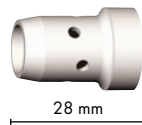


Contact tip (10 pcs.)	M8		M8	
E-Cu	Ø 0.8	140.0114	140.0114	
	Ø 1.0	140.0313	140.0313	
	Ø 1.2	140.0442	140.0442	
	Ø 1.6	140.0587	140.0587	
CuCrZr	Ø 0.8	140.0117	140.0117	
	Ø 1.0	140.0316	140.0316	
	Ø 1.2	140.0445*	140.0445**	
	Ø 1.6	140.0590	140.0590	

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



Contact tip holder (10 pcs.)		
M8	142.0201.10*	142.0201.10**



Gas diffusor (10 pcs.)		
Standard	030.0145.10*	030.0145.10**
Long life	030.0255.10	030.0255.10
Ceramic	030.0190	030.0190



Liner	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111	124.0112	124.0113
	Ø 1.2	124.0111**	124.0112**	124.0113**
	Ø 1.6	124.0114	124.0115	124.0116

For more liner see chapter "Accessories & special equipment"

## Standard equipment

\* Included in the standard equipment for complete torches ABIMIG® GRIP W 555 D

\*\* Included in the standard equipment for complete torches ABIMIG® GRIP W 555 D TS





**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"



UP TO  
**400 A**

Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
ABIMIG® A T 155 LW	air cooled	190 A	180 A	60%	0.8-1.0 mm	26
ABIMIG® A T 255 LW	air cooled	240 A	220 A	60%	0.8-1.2 mm	26
ABIMIG® A T 305 LW	air cooled	290 A	260 A	60%	0.8-1.2 mm	28
ABIMIG® A T 355 LW	air cooled	340 A	320 A	60%	1.0-1.6 mm	28
ABIMIG® A T 405 LW	air cooled	400 A	370 A	60%	1.0-1.6 mm	28
ABIMIG® A T 155 S LW	air cooled	160 A	160 A	60%	0.8-1.0 mm	30
ABIMIG® A T 255 S LW	air cooled	210 A	210 A	60%	0.8-1.2 mm	30
ABIMIG® A T 355 S LW	air cooled	320 A	300 A	60%	1.0-1.6 mm	30

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**



ABIMIG® A T 155 LW

ABIMIG® A T 255 LW

**Lightweight torches with rotatable and exchangeable torch necks**



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

### **ABIMIG® A T 155 LW**

Rating: 190 A CO<sub>2</sub>  
180 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8-1.0 mm

### **ABIMIG® A T 255 LW**

Rating: 240 A CO<sub>2</sub>  
220 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8-1.2 mm

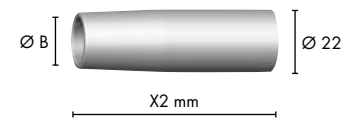
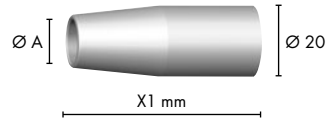
Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 155 LW	Trigger short	006.D821.1	006.D822.1	006.D823.1	45°	006.D804.1
ABIMIG® A T 155 LW	Trigger long	006.D810.1	006.D811.1	006.D812.1	45°	006.D804.1
ABIMIG® A T 255 LW	Trigger short	004.D880.1	004.D881.1	004.D882.1	45°	004.D831.1
ABIMIG® A T 255 LW	Trigger long	004.D850.1	004.D851.1	004.D852.1	45°	004.D831.1

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

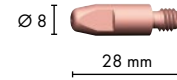
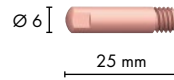
## Wear parts

### ABIMIG® A T 155 LW

### ABIMIG® A T 255 LW

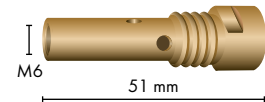
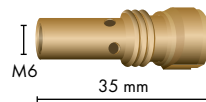


Gas nozzle (5 pcs.)	Ø A	X1		Ø B	X2	
Cylindrical	Ø 17	52 mm	145.D003	Ø 18	69 mm	145.D014
Conical	Ø 12	52 mm	145.D001*	Ø 16	70 mm	145.D011**
Tapered	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



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 CO<sub>2</sub>  
260 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.2 mm

### **ABIMIG® A T 355 LW**

Rating: 340 A CO<sub>2</sub>  
320 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 1.0–1.6 mm

### **ABIMIG® A T 405 LW**

Rating: 400 A CO<sub>2</sub>  
370 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 1.0–1.6 mm (up to 2.4 mm on request)

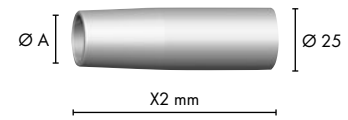
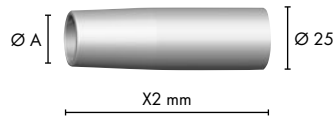
Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 305 LW	Trigger short	018.D953.1	018.D954.1	018.D955.1	45°	014.H356.1
ABIMIG® A T 305 LW	Trigger long	018.D960.1	018.D961.1	018.D962.1	45°	014.H356.1
ABIMIG® A T 355 LW	Trigger short	014.H509.1	014.H510.1	014.H511.1	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

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

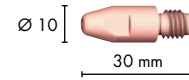
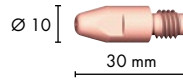
## Wear parts

### ABIMIG® A T 305 / 355 LW

### ABIMIG® A T 405 LW

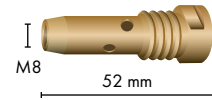
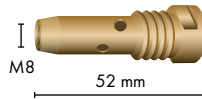


Gas nozzle (5 pcs.)	Ø A	X1		Ø A	X1	
Cylindrical	Ø 21	71 mm	145.D024	Ø 21	71 mm	145.D024
Conical	Ø 18	72 mm	145.D021**	Ø 18	72 mm	145.D021***
Tapered	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



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



# 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**

**NEW!**



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<sub>2</sub>  
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<sub>2</sub>  
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<sub>2</sub>  
300 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 1.0-1.6 mm

Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A T 155 S LW	ABIMIG® S	006.0201.1	006.0202.1	006.0203.1	45°	006.D804.1
ABIMIG® A T 255 S LW	ABIMIG® S	004.0792.1	004.0793.1	004.0794.1	45°	004.D831.1
ABIMIG® A T 355 S LW	ABIMIG® S	014.0718.1	014.0719.1	014.0720.1	45°	014.H356.1

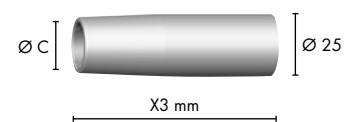
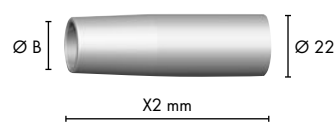
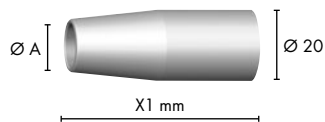
Technical data according to EN 60 974-7 ■ \*DIN EN ISO 14175

## Wear parts

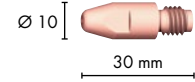
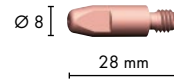
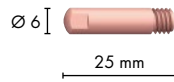
### ABIMIG® A T 155 S LW

### ABIMIG® A T 255 S LW

### ABIMIG® A T 355 S LW

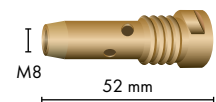
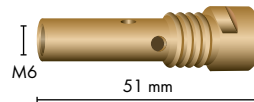
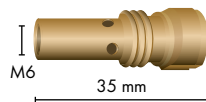


Gas nozzle (5 pcs.)	Ø A	X1		Ø B	X2		Ø C	X3	
Cylindrical	Ø 17	52 mm	145.D003	Ø 18	69 mm	145.D014	Ø 21	71 mm	145.D024
Conical	Ø 12	52 mm	145.D001*	Ø 16	70 mm	145.D011**	Ø 18	72 mm	145.D021***
Tapered	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012	Ø 16	69 mm	145.D022



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





**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 83

For special gas nozzles see chapter  
"Accessories & special equipment"



UP TO  
**400 A**

Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
ABIMIG® A 155 LW	air cooled	170 A	170 A	60%	0.8-1.0 mm	34
ABIMIG® A 255 LW	air cooled	230 A	220 A	60%	0.8-1.2 mm	34
ABIMIG® A 305 LW	air cooled	280 A	260 A	60%	0.8-1.2 mm	36
ABIMIG® A 355 LW	air cooled	330 A	310 A	60%	1.0-1.6 mm	36
ABIMIG® A 405 LW	air cooled	400 A	350 A	60%	1.0-1.6 mm	36

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**



ABIMIG® A 155 LW

ABIMIG® A 255 LW



Optional control modules can be found on page 83.

170 –  
230 A



### **ABIMIG® A 155 LW**

Rating: 170 A CO<sub>2</sub>  
170 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.0 mm

### **ABIMIG® A 255 LW**

Rating: 230 A CO<sub>2</sub>  
220 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.2 mm

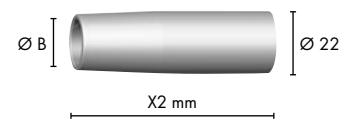
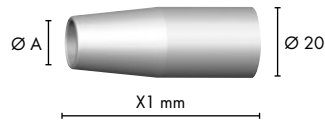
Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 155 LW	Trigger short	767.0030.1	767.0031.1	767.0032.1	45°	767.0024.1
ABIMIG® A 155 LW	Trigger long	767.0062.1	767.0063.1	767.0064.1	45°	767.0024.1
ABIMIG® A 255 LW	Trigger short	767.0033.1	767.0034.1	767.0035.1	45°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

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

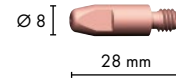
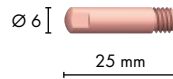
## Wear parts

### ABIMIG® A 155 LW

### ABIMIG® A 255 LW

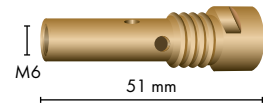
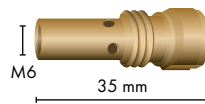


Gas nozzle (5 pcs.)	Ø A	X1		Ø B	X2	
Cylindrical	Ø 17	52 mm	145.D003	Ø 18	69 mm	145.D014
Conical	Ø 12	52 mm	145.D001*	Ø 16	70 mm	145.D011**
Tapered	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



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**



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**



ABIMIG® A 305 LW

ABIMIG® A 355 LW

ABIMIG® A 405 LW

Optional control modules  
can be found on page 83.

260-  
400 A



### **ABIMIG® A 305 LW**

Rating: 280 A CO<sub>2</sub>  
260 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8-1.2 mm

### **ABIMIG® A 355 LW**

Rating: 330 A CO<sub>2</sub>  
310 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 1.0-1.6 mm

### **ABIMIG® A 405 LW**

Rating: 400 A CO<sub>2</sub>  
350 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 1.0-1.6 mm (up to 2.4 mm on request)

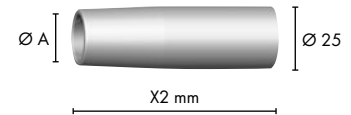
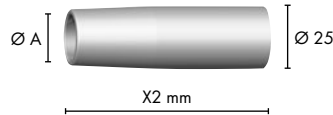
Torch complete		Part-No.			Torch neck	
Type	Handle	3 m	4 m	5 m	Type	Part-No.
ABIMIG® A 305 LW	Trigger short	767.0036.1	767.0037.1	767.0038.1	45°	767.0045.1
ABIMIG® A 305 LW	Trigger long	767.0068.1	767.0069.1	767.0070.1	45°	767.0045.1
ABIMIG® A 355 LW	Trigger short	767.0039.1	767.0040.1	767.0041.1	45°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

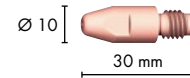
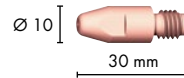
## Wear parts

### ABIMIG® A 305 / 355 LW

### ABIMIG® A 405 LW

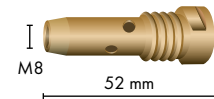
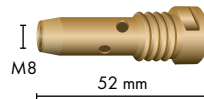


Gas nozzle (5 pcs.)	Ø A	X1		Ø A	X1	
Cylindrical	Ø 21	71 mm	145.D024	Ø 21	71 mm	145.D024
Conical	Ø 18	72 mm	145.D021**	Ø 18	72 mm	145.D021***
Tapered	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



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.)		
	767.0107.5**	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





**ABIMIG® WT**

# MIG/MAG WELDING TORCHES **ABIMIG® W T**



- ✓ **Rotatable and exchangeable torch necks**
- ✓ **Large torch neck selection**
- ✓ **Small front end for optimal view**

**Flexible all-rounders:** Thanks to their rotatable and exchangeable torch necks, torches of the ABIMIG® W T series are extremely versatile. The wide selection of torch necks with different lengths and geometries ensures that even hard-to-access welding areas can be easily reached. Thanks to the compact design of the front end, they ensure a clear view of the welding process – regardless of the position. All available necks with the different power class 340, 440 and 540 can be used with the same base torch.

## **ABIMIG® W T advantages**

- Powerful, liquid cooled torches
- Quick-change torch neck, reduced service times
- Flexible thanks to the rotatable torch necks in many lengths and shapes
- Small front end for optimal view of the process
- Longer service life thanks to gas nozzles with anti-spatter protection
- One base torch for all power classes (340, 440 and 540)



ROTATABLE AND EXCHANGEABLE TORCH NECKS



SMALL FRONTEND



UP/DOWN MODULE OPTIONAL

For special torch necks & gas nozzles see chapter "Accessories & special equipment"



Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
ABIMIG® W T 340	liquid cooled	400 A	350 A	100%	0.8–1.2 mm	40
ABIMIG® W T 440	liquid cooled	450 A	400 A	100%	0.8–1.6 mm	40
ABIMIG® W T 540	liquid cooled	550 A	500 A	100%	1.0–1.6 mm	40

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



# MIG/MAG WELDING TORCHES **ABIMIG® W T**

## **ABIMIG® W T 340** ■ **ABIMIG® W T 440** ■ **ABIMIG® W T 540**



ABIMIG® W T 340



ABIMIG® W T 440



ABIMIG® W T 540

**Rotatable and exchangeable torch neck**



**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 4 minutes.

### **ABIMIG® W T 340**

Rating: 400 A CO<sub>2</sub>  
350 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8-1.2 mm

### **ABIMIG® W T 440**

Rating: 450 A CO<sub>2</sub>  
400 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8-1.6 mm

### **ABIMIG® W T 540**

Rating: 550 A CO<sub>2</sub>  
500 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 1.0-1.6 mm

Torch complete		Part-No.			Torch neck	
Type	Handle	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

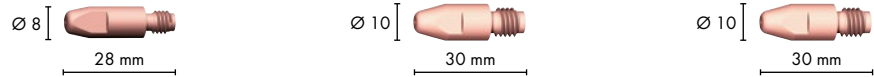
Technical data according to EN 60 974-7 ■ \*DIN EN ISO 14175

## Wear parts



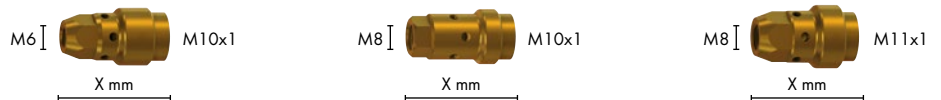
Gas nozzle incl. spatter protection <sup>1</sup> (5 pcs.)	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5*	Ø 14.5	145.D092.5**	Ø 16	145.0735.5***
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5

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



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
CuCr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245*	140.0316.10	140.0316
	Ø 1.2	140.0382	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.)		X		X		X	
Brass	24.0	142.0241.5	26.0	142.0252.5	25.0	142.0239.5	
	26.0	142.0242.5*	28.0	142.0253.5**	27.0	142.0240.5	
	-	-	31.0	142.0243.5	28.5	142.0284.5***	
CuCrZr	26.0	142.0274.5	29.5	142.0262.5	25.0	142.0247.5	
	-	-	-	-	27.0	142.0248.5	
	-	-	-	-	28.5	142.0261.5	



Torch neck liner				
Liner	Ø 0.8-1.2	123.D097*	123.D097**	123.D097***
	Ø 1.4-1.6	-	123.D098	123.D098
BPL liner with inlet-tip	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	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111*	124.0112*	124.0113*
	Ø 1.2	124.0111***	124.0112***	124.0113***
	Ø 1.6	124.0114	124.0115	124.0116

For more liner see chapter "Accessories & special equipment"

## Standard equipment

\* Included in the standard equipment for complete torches ABIMIG® W T 340

\*\* Included in the standard equipment for complete torches ABIMIG® W T 440

\*\*\* Included in the standard equipment for complete torches ABIMIG® W T 540





**ABIMIG® W**

# MIG/MAG WELDING TORCHES **ABIMIG® W**



- ✓ **Robust construction**
- ✓ **Small front end for optimal view**
- ✓ **Remote control modules (optional)**

**Proven standard solution:** The compact, liquid cooled ABIMIG® W torches with coated torch necks are ideally suited for welding with high welding currents and process temperatures. Thanks to the double-fixed torch necks they are robust in application. The compact front end allows a good view of the process. ABIMIG® W torches can be equipped with additional remote control modules on the handle if required.

## **ABIMIG® W advantages**

- Particularly robust thanks to double torch neck fixation
- Powerful, liquid cooled torches
- Coated, screw-on nozzles with anti-spatter protection for long service lives
- High working comfort due to ergonomic handle



MODULES  
SEE PAGE 83



DOUBLE-FIXED  
TORCH NECK



SMALL FRONT END

For special gas nozzles see chapter  
"Accessories & special equipment"



UP TO  
**550 A**

Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
ABIMIG® W 340	liquid cooled	400 A	350 A	100%	0.8-1.2 mm	44
ABIMIG® W 440	liquid cooled	450 A	400 A	100%	0.8-1.6 mm	44
ABIMIG® W 540	liquid cooled	550 A	500 A	100%	1.0-1.6 mm	44

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



# MIG/MAG WELDING TORCHES **ABIMIG® W**

## **ABIMIG® W 340** ■ **ABIMIG® W 440** ■ **ABIMIG® W 540**



ABIMIG® W 340

ABIMIG® W 440

ABIMIG® W 540



Optional control modules  
can be found on page 83.

350-  
550 A



#### 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 4 minutes.

#### **ABIMIG® W 340**

Rating: 400 A CO<sub>2</sub>  
350 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8-1.2 mm

#### **ABIMIG® W 440**

Rating: 450 A CO<sub>2</sub>  
400 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8-1.6 mm

#### **ABIMIG® W 540**

Rating: 550 A CO<sub>2</sub>  
500 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 1.0-1.6 mm

Torch complete		Part-No.			Torch neck	
Type	Handle	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

Technical data according to EN 60 974-7 ■ DIN EN ISO 14175 ■ Up/Down module on request

## Wear parts

### ABIMIG® W 340

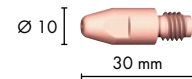
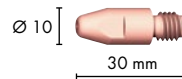
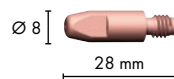
### ABIMIG® W 440

### ABIMIG® W 540



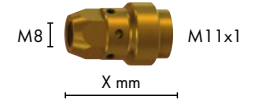
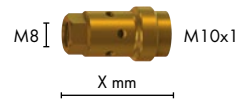
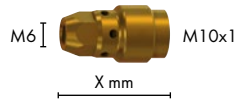
Gas nozzle incl. spatter protection <sup>1</sup> (5 pcs.)	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5*	Ø 14.5	145.D092.5**	Ø 16	145.0735.5***
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5

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



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
CuCr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245*	140.0316	140.0316
	Ø 1.2	140.0382	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.)	X		X		X	
Brass	24.0	142.0241.5	26.0	142.0252.5	25.0	142.0239.5
	26.0	142.0242.5*	28.0	142.0253.5**	27.0	142.0240.5
	-	-	31.0	142.0243.5	28.5	142.0284.5***
CuCrZr	26.0	142.0274.5	29.5	142.0262.5	25.0	142.0247.5
	-	-	-	-	27.0	142.0248.5
	-	-	-	-	28.5	142.0261.5



Liner	Ø	for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.8	124.0137	124.0138	124.0139
	Ø 1.0	124.0111*	124.0112*	124.0113*
	Ø 1.2	124.0111***	124.0112***	124.0113***
	Ø 1.6	124.0114	124.0115	124.0116

For more liner see chapter "Accessories & special equipment"

## Standard equipment

\* Included in the standard equipment for complete torches ABIMIG® W 340

\*\* Included in the standard equipment for complete torches ABIMIG® W 440

\*\*\* Included in the standard equipment for complete torches ABIMIG® W 540





# AUTOMATIC WELDING TORCHES

# MIG/MAG AUTOMATIC WELDING TORCHES

## ABIMIG® MT A T ■ ABIMIG® MT W T ■ ABIMIG® MT W

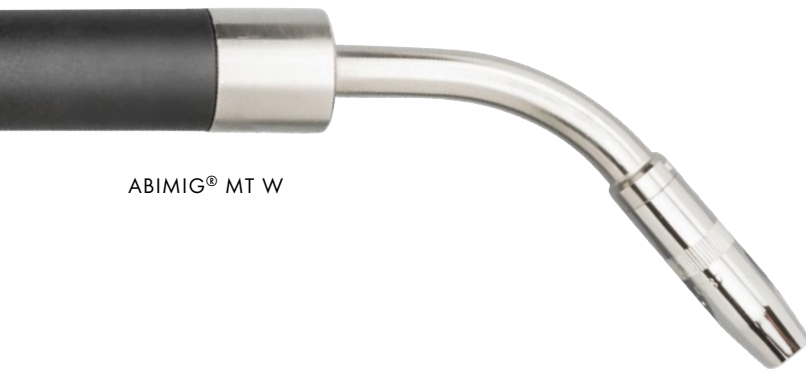


- ✓ Fixed or exchangeable torch neck
- ✓ Optional MB or ABIMIG® wear parts
- ✓ Cable assemblies in standard and special lengths

**The automated ones:** The powerful automatic welding torches offer highest precision and productivity. They combine proven and standardised torch technology with flexible special solutions. Thanks to the large selection of wear parts compatible with the manual welding torches, as well as different cable assembly lengths and torch neck geometries, they can be adapted to almost every welding task as required.

### Advantages MIG/MAG automatic welding torches

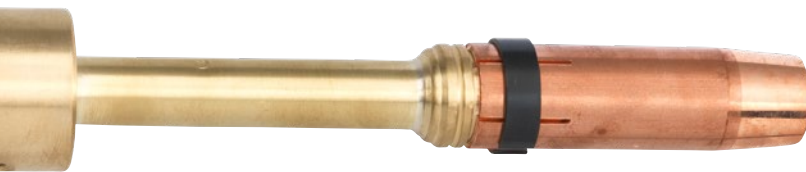
- Robust, durable construction
- Short set-up and service times with exchangeable torch neck (ABIMIG®)
- Customised special torches
- Long service life and low storage thanks to MB and ABIMIG® wear parts
- Narrow front end (ABIMIG® MT W and WT) for optimal accessibility



ABIMIG® MT W



ABIMIG® MT A T



AUT 501 D

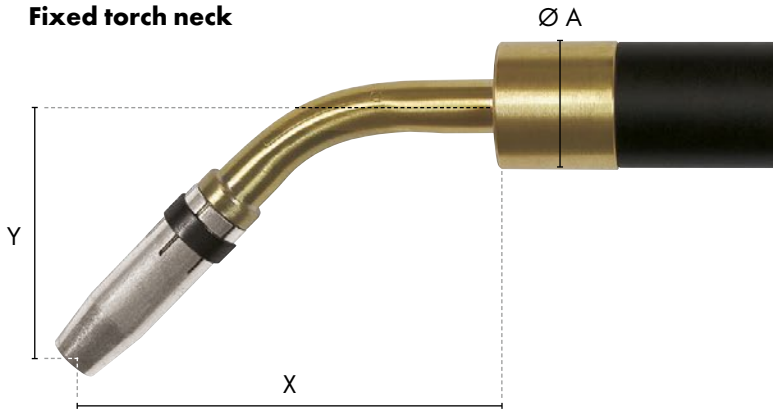


AUT 36 KD



# MACHINE TORCHES ■ FIXED TORCH NECK

## Fixed torch neck

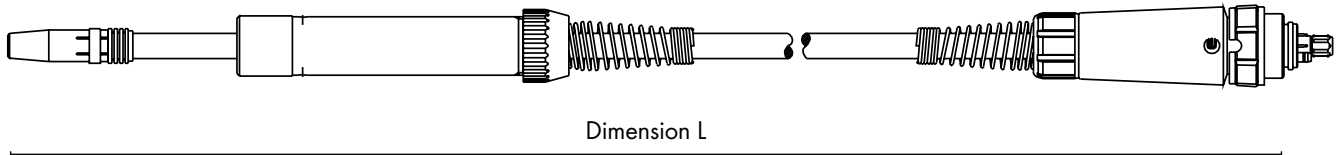


## Order note:

When ordering complete torches, please indicate the torch type, torch geometry (straight or bent) and dimension "L" (see sketch).

The wear parts – contact tip, gas nozzle, gas diffuser, contact tip holder, neck liner or liner – are identical with those of the manual welding torches of same size.

Ø A Air cooled torches: 38 mm  
Liquid cooled torches: 38 mm



MB torches air cooled				Rating		Part-No.			
Type	Angle	X (mm)	Y (mm)	CO <sub>2</sub>	M21 *	2 m	3 m	4 m	Torch neck
AUT 24KD	0°	154	-	250 A	220 A	912.0008	912.0009	912.0022	912.0001
AUT 24KD	45°	125	80	250 A	220 A	912.0011	912.0012	912.0023	912.0002
AUT 25AK	0°	140	-	230 A	200 A	904.0021	904.0026	904.0046	904.0003
AUT 25AK	45°	110	75	230 A	200 A	904.0022	904.0027	904.0058	904.0004
AUT 36KD	0°	185	-	320 A	290 A	914.0008	914.0013	914.0015	914.0002
AUT 36KD	45°	145	95	320 A	290 A	914.0009	914.0014	914.0028	914.0001

\*Technical data according to EN 60 974-7 ■ Duty cycle 60%

MB torches liquid cooled				Rating		Part-No.			
Type	Angle	X (mm)	Y (mm)	CO <sub>2</sub>	M21 *	2 m	3 m	4 m	Torch neck
AUT 240D	0°	154	-	300 A	270 A	923.0004	923.0005	923.0006	923.0001
AUT 240D	45°	126	73	300 A	270 A	923.0008	923.0009	923.0010	923.0002
AUT 501D	0°	167	-	500 A	450 A	934.0027	934.0032	934.0038	934.0001
AUT 501D	45°	135	82	500 A	450 A	934.0028	934.0033	934.0039	934.0002
MT W 555D	0°	175	-	550 A	500 A	766.0938.1	766.1434.1	766.0951.1	766.0865.1
MT W 555D	45°	144	84	550 A	500 A	766.1580.1	766.1436.1	766.1742.1	766.0867.1

\*Technical data according to EN 60 974-7 ■ Duty cycle 100%

ABIMIG® torches liquid cooled				Rating		Part-No.		
Type	Angle	X (mm)	Y (mm)	CO <sub>2</sub>	M21 *	Length (L)	Complete torch	Torch neck
ABIMIG® MT W 340	50°	154	-	300 A	270 A	2 m	766.1641.1	766.1645.1
ABIMIG® MT W 440	50°	140	85	450 A	400 A	2 m	766.1642.1	766.1650.1
ABIMIG® MT W 440	50°	140	85	450 A	400 A	5 m	766.1827.1	766.1650.1
ABIMIG® MT W 540	45°	135	82	550 A	500 A	3 m	766.1853.1	766.1854.1
ABIMIG® MT W 540	50°	155	90	550 A	500 A	2 m	766.1643.1	766.1654.1
ABIMIG® MT W 540	50°	155	90	550 A	500 A	3 m	766.1801.1	766.1654.1

\*Technical data according to EN 60 974-7 ■ Duty cycle 100%



# MACHINE TORCHES ■ CHANGEABLE TORCH NECK

## ABIMIG® MT A T – air cooled with changeable torch neck interface

Base torch ABIMIG® MTG A T with changeable torch neck interface



TORCH NECK ABIMIG®



BASE TORCH ABIMIG® MT

Base torch ABIMIG® MTG A T air cooled with changeable torch neck interface	Rating			Part-No.	
	CO <sub>2</sub>	M21*	DC	3 m	4 m
ABIMIG® MTG 255	240 A	220 A	60%	904.D010.1	904.0079.1
ABIMIG® MTG 355	340 A	320 A	60%	914.D020.1	914.0071.1
ABIMIG® MTG 405 / 455	400 A	370 A	60%	916.D005.1	916.D006.1

\*Technical data according to EN 60 974-7

Torch necks for base torch ABIMIG® MTG A T				Rating				
Type	Angle	X (mm)	Y (mm)	CO <sub>2</sub>	M21*	DC	Contact tip	Part-No. COMBI neck**
AT 255 T8 bent	45°	160	85	240 A	220 A	60%	M6 / Ø1.0	004.0628.1
AT 255 T8 straight	0°	195	-	240 A	220 A	60%	M6 / Ø1.0	004.0690.1
AT 355 T8M bent	45°	185	95	340 A	320 A	60%	M8 / Ø1.2	014.0474.1
AT 355 T8M straight	0°	195	-	340 A	320 A	60%	M8 / Ø1.2	014.0540.1
AT 405 T8M bent	45°	210	95	400 A	370 A	60%	M8 / Ø1.6	015.0089.1
AT 405 T8M straight	0°	250	-	400 A	370 A	60%	M8 / Ø1.6	015.0103.1
AT 455 T8M bent	45°	220	105	400 A	370 A	60%	M10 / Ø1.2	016.D403.1
AT 455 T8M straight	0°	270	-	400 A	370 A	60%	M8 / Ø1.6	016.0034.1

\*Technical data according to EN 60 974-7 ■ \*\*COMBI neck equipped with contact tip, gas nozzle, neck liner

Base torch ABIMIG® MTG W T liquid cooled with changeable torch neck interface	Part-No.			
	2 m	3 m	4 m	5 m
ABIMIG® MTG W T	933.0001.1	933.D007.1	933.0008.1	933.0009.1

\*Technical data according to EN 60 974-7

Torch necks for base torch ABIMIG® MTG W T				Rating				
Type	Angle	X (mm)	Y (mm)	CO <sub>2</sub>	M21*	DC	Contact tip	Part-No. COMBI neck**
WT 340 straight	0°	170	-	350 A	300 A	100%	M6 / Ø1.0	788.0127.1
WT 440 straight	0°	175	-	450 A	400 A	100%	M8 / Ø1.2	788.0129.1
WT 540 straight	0°	190	-	550 A	500 A	100%	M8 / Ø1.2	788.0133.1

\*Technical data according to EN 60 974-7 ■ \*\*COMBI neck equipped with contact tip, gas nozzle, neck liner

**Other lengths of cable assemblies and torch neck geometries on request.**

### Legend:

- TM Rotatable 360 degrees with metal outer tube
- T8M Fixed in 8 positions, can be repositioned in 45 degree increments, metal outer tube
- MTG Base torch with changeable torch neck interface





**PUSH-PULL PLUS**

# MIG/MAG WELDING TORCHES **PUSH-PULL PLUS**

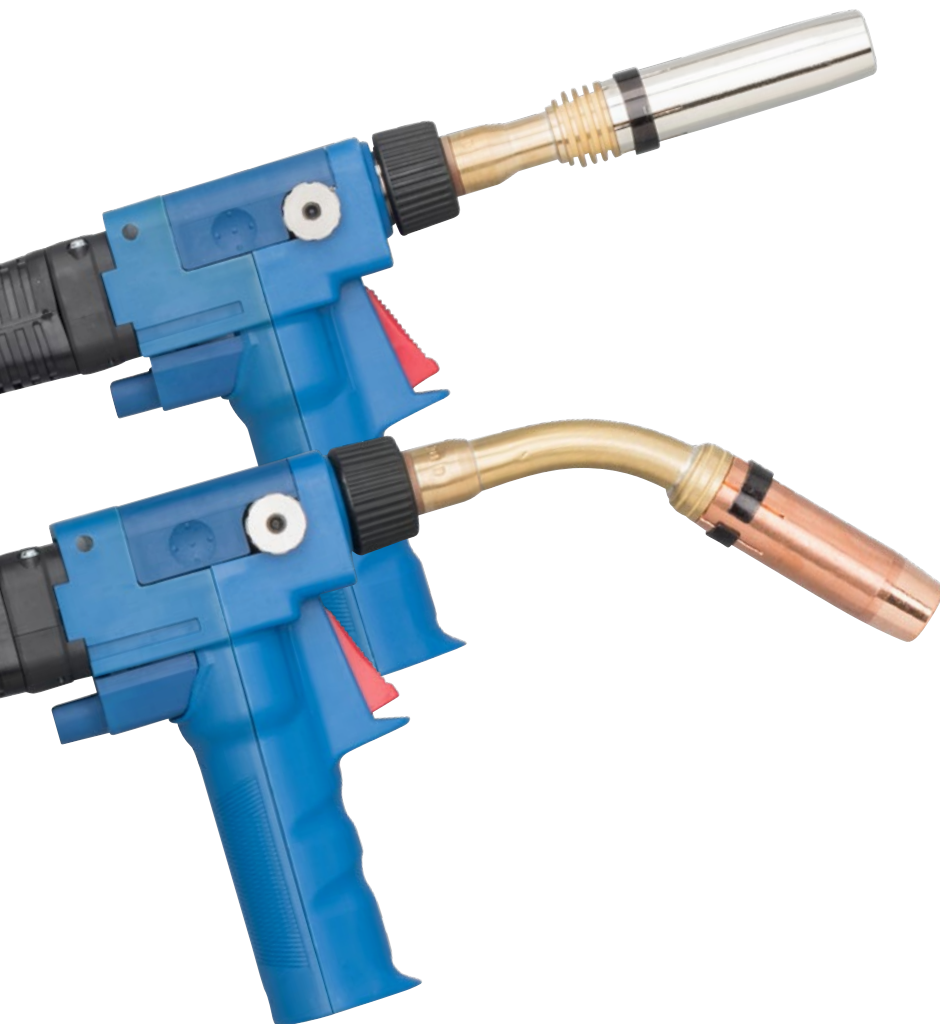


- ✓ **For aluminum welding and thin wires**
- ✓ **Also ideal for long cable assemblies**
- ✓ **Screwable and rotatable torch necks**

**Sensitive drivers:** When welding thin aluminum or stainless steel wires, sensitivity is required. This is where torches of the Push-Pull Plus series are right in their element. They feed wires particularly gently and evenly. Thus, they are ideally suited for welding with sensitive wires and long cable assemblies. The speed of the powerful pull motor can be precisely adjusted via an optional potentiometer. The screwable torch necks, which can be rotated 360 degrees, ensure good welding comfort and short set-up times.

### Push-Pull Plus advantages

- High-torque pull motor ensures consistent wire feed
- Contact pressure regulation directly at the torch
- Economical stock-keeping thanks to MB wear parts
- Ergonomic handle for fatigue-free welding
- Versatile use with air or liquid cooling



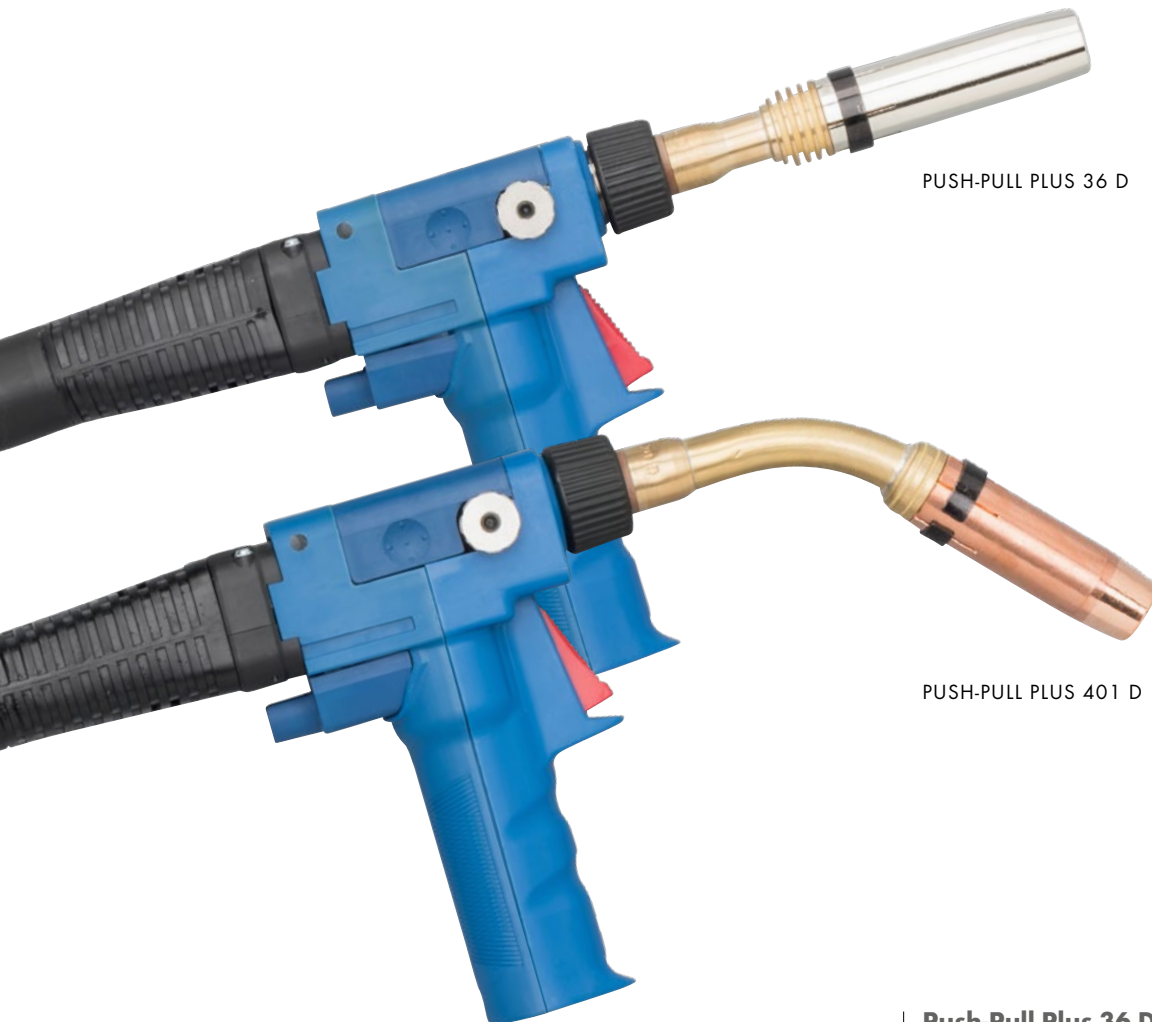
Type	Cooling	CO <sub>2</sub>	Mixed gas M21*	Duty cycle	Wire Ø	Page
Push-Pull Plus 36 D	air cooled	300 A	270 A	60%	0.8-1.2 mm	52
Push-Pull Plus 401 D	liquid cooled	400 A	350 A	100%	0.8-1.2 mm	52

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



# MIG/MAG WELDING TORCHES **PUSH-PULL PLUS**

## **PUSH-PULL PLUS 36 D** ■ **PUSH-PULL PLUS 401 D**



PUSH-PULL PLUS 36 D

PUSH-PULL PLUS 401 D

270 –  
400 A



**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 4 minutes.

**Push-Pull Plus 36 D**

Rating: 300 A CO<sub>2</sub>  
270 A Mixed gas M21\*  
Duty cycle: 60%  
Wire Ø: 0.8–1.2 mm

**Push-Pull Plus 401 D**

Rating: 400 A CO<sub>2</sub>  
350 A Mixed gas M21\*  
Duty cycle: 100%  
Wire Ø: 0.8–1.2 mm

Torch complete		Part-No.		Torch neck
Type	Model	8 m without poti	8 m with poti**	Part-No.
Push-Pull Plus 36 D	straight – EURO	085.0104.1	085.0106.1	085.0116.1
Push-Pull Plus 36 D	45° bent – EURO	085.0105.1	085.0107.1	085.0117.1
Push-Pull Plus 401 D	straight – EURO	095.0100.1	095.0114.1	095.0002
Push-Pull Plus 401 D	45° bent – EURO	095.0101.1	095.0115.1	095.0015

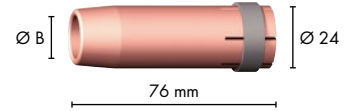
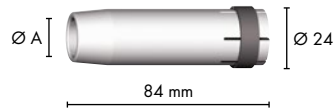
Wire feeding roll	Ø 0.8	Ø 1.0	Ø 1.2
ST/AL	095.0064.1	095.0065.1	095.0066.1

Technical data according to EN 60 974-7 ■ \*DIN EN ISO 14175 ■ \*\*Poti 10 kΩ

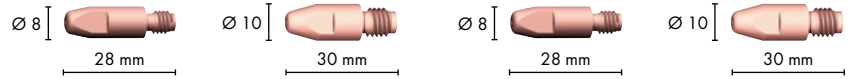
## Wear parts

### Push-Pull Plus 36 D

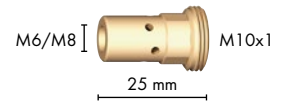
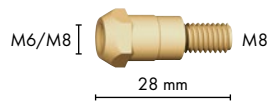
### Push-Pull Plus 401 D



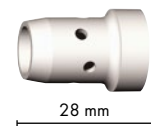
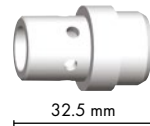
Gas nozzle (10 pcs.)	Ø A		Ø B	
Cylindrical	Ø 19	145.0045	Ø 20	145.0051
Conical	Ø 16	145.0078*	Ø 16	145.0085**
Tapered	Ø 12	145.0126	Ø 14	145.0132



Contact tip (10 pcs.)		M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0442*	140.0379	140.0442**
E-Cu for Al	Ø 0.8	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0015	141.0010	141.0015
CuCrZr	Ø 0.8	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0445	140.0382	140.0445



Contact tip holder (10 pcs.)		
M6	142.0005	142.0008
M8	142.0020*	142.0022**



Gas diffuser (10 pcs.)		
Standard	014.0261.10*	030.0145.10**
Long life	014.0026	030.0255.10
Ceramic	014.0023	030.0190



Liner		
Neck liner 0.8-1.0 mm***	149.0260.3	149.0264.3
Neck liner 1.2 mm***	149.0261.3*	149.0265.3**
Neck liner 0.8-1.0 mm****	149.0262.3	149.0266.3
Neck liner 1.2 mm****	149.0263.3*	149.0267.3**
Liner blank 0.8 mm	122.0010	122.0010
Liner blank 1.0-1.2 mm	122.0040	122.0040
Liner insulated 0.8 mm	124.0169	124.0169
PTFE liner 0.8 mm	126.0013	126.0013
PTFE liner 1.0-1.2 mm	126.0030	126.0030
Carbon PTFE liner 0.8 mm	127.0015	127.0015
Carbon PTFE liner 1.0-1.2 mm	127.0009	127.0009
PA liner 1.0-1.2 mm	128.0019*	128.0019*

\*Included in the standard equipment for complete torches Push-Pull Plus 36 D ■ \*\*Included in the standard equipment for complete torches Push-Pull Plus 401 D

\*\*\*For straight torch necks (0°) ■ \*\*\*\*For bent torch necks (45°)





**ALPHA FLUX**

# MIG/MAG WELDING TORCHES **FLUX**

PRODUCTS FOR FCAW-S SELF-SHIELDING FLUX-CORED WIRES



- ✓ **Welding without shielding gas**
- ✓ **Various torch neck geometries**
- ✓ **ABIMIG® FLUX exchangeable necks for ABIMIG® torches**

## The self-shielding ones:

**ALPHA FLUX** flux-cored welding wire torches for welding without shielding gas (FCAW) are robust and reliable tools for extreme conditions. For example, these torches are ideal for welding tasks in pipeline, piping and rail construction. The exchangeable torch necks, which can be rotated 360 degrees, enable ergonomic working in any position.

**ABIMIG® FLUX** exchangeable torch necks turn classic ABIMIG® AT MIG/MAG torches into fully functional welding torches for self-shielding flux cored wires. They are ideal for on-site repair and build-up welding.

## ALPHA FLUX advantages

- Quick-change torch neck, reduced service times
- Welding down to -30°C with BIKOX® R coaxial cable
- Narrow gap systems (optional), ideal for rail repairs
- Coated contact tips: low spatter adhesion
- Extra comfort with welding power switch (optional)



ROTATABLE  
TORCH NECK



OPTIONAL  
TRIGGER



COATED  
CONTACT TIP



UP TO  
**330 A**

Type	Cooling	Rating	Duty cycle	Wire Ø	Page
ALPHA FLUX 350	air cooled	330 A	60%	1.2-2.4 mm	56

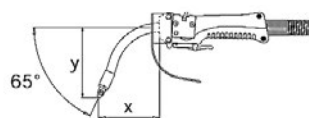
Technical data according to EN 60 974-7

# FCAW-S WELDING TORCHES **FLUX**

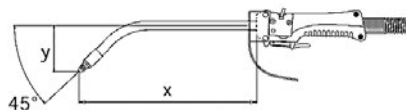
## **ALPHA FLUX 350**



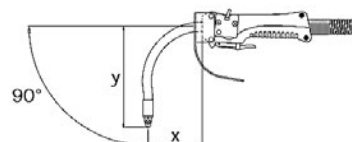
ALPHA FLUX 350



Torch neck	Geometry	Part-No.
65° bent (standard)	x = 108 mm y = 115 mm	013.D144



Torch neck	Geometry	Part-No.
45° bent	x = 280 mm y = 70 mm	013.D169



Torch neck	Geometry	Part-No.
90° bent	x = 85 mm y = 157 mm	013.D136

330 A



### ALPHA FLUX 350

Rating: 330 A with self-shielding cored wire  
 Duty cycle: 60%  
 Wire Ø: 1.2-2.4 mm

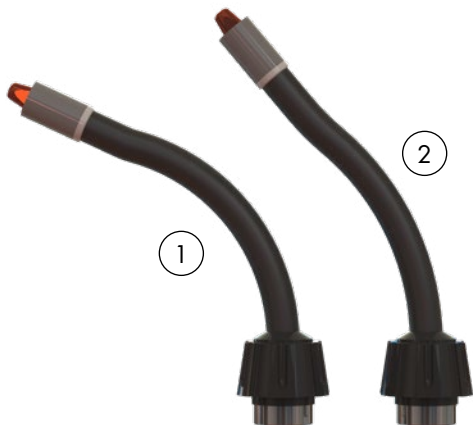
Torch complete	Type	Special equipment	Part-No.	
			3 m	4.5 m
	ALPHA FLUX 350 KZ-2, EURO	-	013.D160	013.D161
	ALPHA FLUX 350 LN*	-	013.D152	013.D153
	ALPHA FLUX 350 KZ-2, EURO	with welding current switch**	013.D158	013.D159
	ALPHA FLUX 350 LN*	with welding current switch**	013.D164	013.D165

Technical data according to EN 60 974-7 ▪ \*LN = applicable for wire feeding devices LINCOLN® ▪ \*\*Control lead without plug for additional switch



## ABIMIG® FLUX CHANGEABLE NECKS FCAW-S

Take the ABIMIG® FLUX necks to transform your MIG/MAG ABIMIG® A T exchangeable neck torch into a torch for self-shielding cored wire electrodes in just a few seconds.



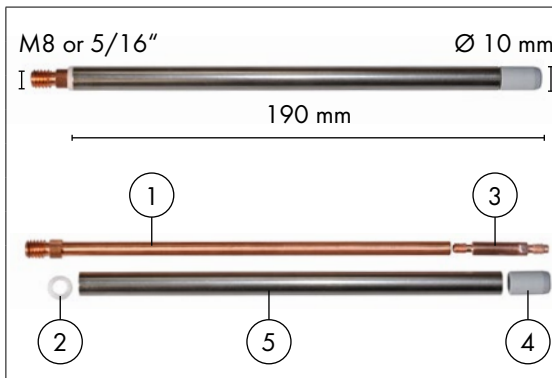
Heat shield for ABIMIG® A T torches 400.D591.1

Pos.	Description	Part-No.
1	Neck ABIMIG® FLUX 350 T M8/65°	013.D177
1	Neck ABIMIG® FLUX 350 T8 M8/65°	013.D188
2	Neck ABIMIG® FLUX 350 T8 M8/40°	013.D218.1

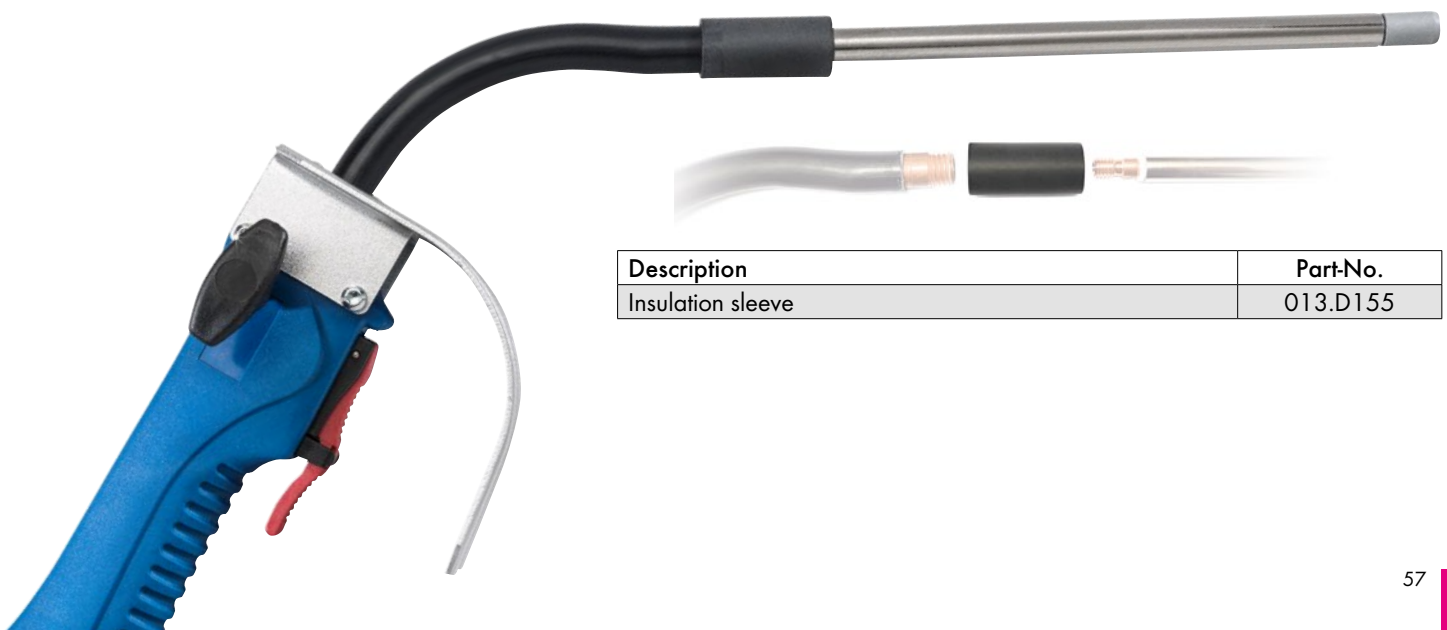
**Legend:**

- T 360° freely rotatable
- T8 Torch neck fixed in 8 positions, can be repositioned in 45 degree increments

## NARROW GAP SYSTEM FLUX PRO



Position	Description	Part-No.
1-5	Narrow gap system FLUX PRO M8	528.0018.1
1-5	Narrow gap system FLUX PRO 5/16"	528.0012.1
1	Contact tube M8	528.0021.1
1	Contact tube 5/16"	528.0014.1
2	Insulating ring PTFE	528.0015.5
3	Contact tip DHCA/M5/1.6-2.0/35.2	528.0016.5
4	Insulating cap	528.0017.1
5	Protective tube	528.0013.1



Description	Part-No.
Insulation sleeve	013.D155





# ACCESSORIES

# ACCESSORIES & SPECIAL EQUIPMENT **MIG/MAG**



## **MIG/MAG welding torches are nothing without suitable accessories and special equipment:**

These turn a good torch into a powerful tool that adapts to the welding task and ensures the best possible welding results at all times. The MB and ABIMIG® accessories range is optimally matched to the various welding torch series and offers suitable solutions for almost every welding challenge.

The high-quality original accessories and wear parts stand for optimum fitting accuracy, technically perfect adjustments and long-lasting quality. This means less downtime and reduced service times, as well as increased productivity.

## ACCESSORIES MIG/MAG TORCHES

	PAGE
<b>LINER</b>	60
<b>CONTACT TIPS</b>	62
<b>ABIMIG® A / A T ACCESSORIES ▪</b>	64
<b>SPECIAL EQUIPMENT</b>	66
	67
	68
	69
<b>ABIMIG® W / W T ACCESSORIES ▪</b>	70
<b>SPECIAL EQUIPMENT</b>	71
	71
<b>MB EVO PRO / MB EVO ACCESSORIES ▪</b>	72
<b>SPECIAL EQUIPMENT</b>	73
	74
	75
	76
	76
	77
	77
<b>BIKOX® CABLES ▪ CONTROL CABLES ▪ HOSES</b>	78
<b>HANDLES ▪ MODULES</b>	80



# LINERS

- ✓ **Different materials**
- ✓ **Perfectly matched to different wires**
- ✓ **Different diameters and lengths**

**Inner values:** No matter whether liner, wire core or guide liner – they conduct the wire from the wire feeder through the cable assembly and torch neck to the contact tip and into the process. To ensure that this succeeds evenly and with low friction at all times, the liner must fit the welding wire. In addition, the internal diameter of the liner must be the right size for the welding wire. ABICOR BINZEL offers a wide range of metal and plastic liners as well as combination solutions for almost all welding wires.

## Liner overview:

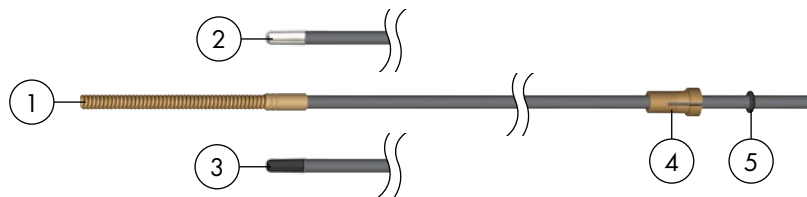
- Steel liner, insulated: versatile use, also for SG steel wires
- PTFE liner: for stainless steel and CuSi wires
- Carbon PTFE liner: for aluminum and stainless steel wires and special alloys
- BPL liner: for special wire types made of aluminum, special alloys, stainless steel and flux-cored wires
- PA liner: for all welding wires, only in combination with brass liner, recommended for liquid cooled torches
- Combination wire feed carbon PTFE /brass: for aluminum or special wires
- Combination wire feed R: for aluminum or special wires
- Combination wire feed P: for aluminum or special wires
- Steel liner, bare: for SG steel wires (only for liquid cooled automatic torches, MB GRIP and MB ERGO torch lines)



Liner				Part-No.			
Type	for wire Ø	Dimensions liner	Color code	for 3 m	for 4 m	for 5 m	for 8 m
Insulated liner, molded nipple, air cooled	0.6-0.8	1.5 / 4.5	blue	124.0011	124.0012	124.0015	-
	1.0-1.2	2.0 / 4.5	red	124.0026	124.0031	124.0035	124.0169
	1.4-1.6	2.5 / 4.5	yellow	124.0041	124.0042	124.0044	-
Insulated liner, molded nipple, liquid cooled	0.6-0.8	1.5 / 4.5	blue	124.0137	124.0138	124.0139	-
	1.0-1.2	2.0 / 4.5	red	124.0111	124.0112	124.0113	124.0169
	1.4-1.6	2.5 / 4.5	yellow	124.0114	124.0115	124.0116	-
PTFE liner	0.8-0.9	1.5 / 4.0	blue	126.0005	126.0008	126.0011	126.0013
	1.0-1.2	2.0 / 4.0	red	126.0021	126.0026	126.0028	126.0030
	1.4-1.6	2.5 / 4.7	yellow	126.0039	126.0042	126.0045	126.0047
Carbon PTFE liner	0.8-0.9	1.5 / 4.0	-	127.0002	127.0003	127.0004	127.0015
	1.0-1.2	2.0 / 4.0	-	127.0005	127.0007	127.0008	127.0009
	1.4-1.6	2.7 / 4.7	-	127.0010	127.0012	127.0013	127.0014
PA liner	1.0-1.2	2.0 / 4.0	-	128.0012	128.0015	128.0016	128.0019
	1.4-1.6	2.3 / 4.7	-	128.0020	128.0021	128.0030	128.0023
	2.0-2.4	2.9 / 4.7	-	128.0024	128.0025	128.0027	128.0032
BPL liner with inlet tip	0.8-1.2	2.0 / 4.7	orange	126.0069	126.0070	126.0071	-
	1.4-1.6	2.7 / 4.7	petrol	126.0072	126.0073	126.0074	-
Combined wire guides PTFE / Brass	0.8-0.9	1.5 / 4.0	blue	126.M002	126.M003	126.M004	-
	1.0-1.2	2.0 / 4.0	red	126.M006	126.M007	126.M008	-
	1.4-1.6	2.5 / 4.7	yellow	126.M009	126.M010	126.M011	-
Combined wire guides Kohle PTFE / Brass	0.8-0.9	1.5 / 4.0	-	127.M002	127.M003	127.M004	-
	1.0-1.2	2.0 / 4.0	-	127.M006	127.M007	127.M008	-
Combined wire guides R (PA liner with graphite filling and PTFE inlet tip)	1.2-1.6	2.3 / 4.7	-	128.0077.1	128.0078.1	128.0079.1	128.0081.1
Combined wire guides P (PTFE liner with brass liner)	0.8-1.2	1.8 / 6.7	-	126.D026.1	126.D027.1	126.D028.1	-
	1.2-1.6	2.4 / 6.7	-	126.D029.1	126.D030.1	126.D031.1	-



Special liner steel				Part-No.			
Type	for wire Ø	Dimensions liner	Color code	for 3 m	for 4 m	for 5 m	for 8 m
Steel liner blank with brass nipple	0.6-0.8	1.5 / 4.0	-	122.0005	122.0007	122.0009	122.0010
	1.0-1.2	2.0 / 4.5	-	122.0031	122.0036	122.0039	122.0040
	1.4-1.6	2.5 / 4.5	-	122.0056	122.0060	122.0063	122.0065
Steel liner coated with brass nipple	0.6-0.8	1.5 / 4.5	blue	124.0126	124.0127	124.0128	-
	1.0-1.2	2.0 / 4.5	red	124.0129	124.0130	124.0131	124.0265.1
	1.4-1.6	2.5 / 4.5	yellow	124.0132	124.0133	124.0134	-



Accessories and spare parts for liners					
Pos.	Type	Description	for wire Ø	Dimensions liner	Part-No.
1	Brass liner for combined wire guides	For liners with outside diameter 4.0 mm	0.8-0.9	1.8 / 4.4	001.0304
1	Brass liner for combined wire guides	For liners with outside diameter 4.0 mm	0.8-1.2	2.2 / 4.4	001.0305
1	Brass liner for combined wire guides P	For liners with outside diameter 4.7 mm	1.2-1.6	2.2 / 4.4	122.D040
2	Stainless steel tip	For liners with outside diameter 4.0 mm. Only for liquid cooled torches. Thermal protection between liner and contact tip.	1.2-1.6	2.2 / 4.5	761.0104
3	PTFE tip	For liners with outside diameter 4.7 mm. Only for liquid cooled torches. Thermally insulating PTFE tip between PA liner and contact tip.	1.2-1.6	-	131.0066.5
4	Retaining nipple liner	For liners with outside diameter 4.0 mm	-	-	131.0001
4	Retaining nipple liner	For liners with outside diameter 4.7 mm	-	-	131.0002
5	O ring 3.5x1.5	For liners 4.0-5.0 mm	-	-	165.0008

# CONTACT TIPS



- ✓ **High-quality materials**
- ✓ **Precise bore machining with the best surface quality**
- ✓ **Long service life**

**Top seller:** Contact tips are the core elements of MIG/MAG welding torches. They are responsible for the optimal power transmission, and the wire runs through them during the welding process. They are exposed to high loads from current, heat and friction and must be robust to ensure long service life. Original contact tips from ABICOR BINZEL made of high-quality materials are precisely manufactured and inspected. This ensures maximum process safety, reliable power transmission, long service lives and high availability of the welding torch.

The **E-Cu contact tip** guarantees excellent power transmission, good heat conduction, and good electrical conductivity. It has excellent process properties, but is less wear-resistant.

**E-Cu contact tips for aluminum** have a larger bore and thus can accommodate the greater expansion of aluminum wire when heated.

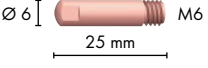
The **CuCrZr contact tip** is very hard and can withstand high thermal load due to the alloy elements chromium and zirconium. Its power transmission is good, and it offers excellent process properties with a low degree of wear.

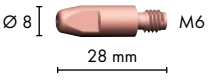
The **CuCrZr silver-plated contact tip** combines the advantages of a CuCrZr contact tip with improved power transmission and reduced spatter adhesion on the coated surface.

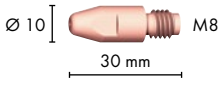
The **HDS contact tip** has an internal core with greater hardness and special material formulation which leads to extreme heat and wear resistance. It is used for high currents and/or a high duty cycle. In the case of air cooled applications with abrasive flux-cored wires, the HDS contact tip may have service lives up to four times longer. The standard silver plating reduces spatter adhesion and improves power transmission.

# CONTACT TIPS OVERVIEW

Characteristics	E-Cu	E-Cu for aluminium	CuCrZr	CuCrZr silver-plated	HDS
Electrical conductivity	++	++	+	+	+
Temperature resistance	+	+	++	++	+++
Low spatter adhesion	+	+	+	++	++
Long service lives	+	+	++	++	+++

for torch types	for wire Ø (mm)	E-Cu	E-Cu for aluminium	CuCrZr	CuCrZr silver-plated	HDS
MB 15 ABIMIG® A/A T 155 	0.6	140.0008	-	140.0855	-	-
	0.8	140.0059	141.0002	140.0062	-	-
	0.9	140.0177	141.0005	140.0180	-	-
	1.0	140.0253	141.0007	140.0256	-	-
	1.2	140.0387	141.0011	140.0390	-	-

for torch types	for wire Ø (mm)	E-Cu	E-Cu for aluminium	CuCrZr	CuCrZr silver-plated	HDS
MB 24/25/26 ABIMIG® A/A T 255 ABIMIG® W/W T 340 	0.6	140.0005	-	-	-	-
	0.8	140.0051	141.0001	140.0054	-	-
	0.9	140.0169	141.0004	140.0172	147.0172	147.5172.10
	1.0	140.0242	141.0006	140.0245	147.0245	147.5245
	1.2	140.0379	141.0010	140.0382	147.0382	147.5382
	1.4	140.0516	141.0019	140.0519	147.0519	-
	1.6	140.0555	141.0020	140.0558	140.0558	-

for torch types	for wire Ø (mm)	E-Cu	E-Cu for aluminium	CuCrZr	CuCrZr silver-plated	HDS
MB 36/401/501 D ABIMIG® A/A T 305/355/405/455 ABIMIG® W/W T 440/540 ABIMIG® GRIP W 555 D 	0.8	140.0114	141.0003	140.0117	-	-
	0.9	140.0214	-	140.0217	147.0217	-
	1.0	140.0313	141.0008	140.0316	147.0316	147.5316
	1.2	140.0442	141.0015	140.0445	147.0445	147.5445
	1.4	140.0533	141.0055	140.0536	147.0536	147.5536
	1.6	140.0587	141.0022	140.0590	147.0590	147.5590
	2.0	140.0653	141.0033	140.0656	147.0656	-
	2.4	140.0677	-	140.0679	-	-



# ACCESSORIES & SPECIAL PARTS **ABIMIG® A / A T**

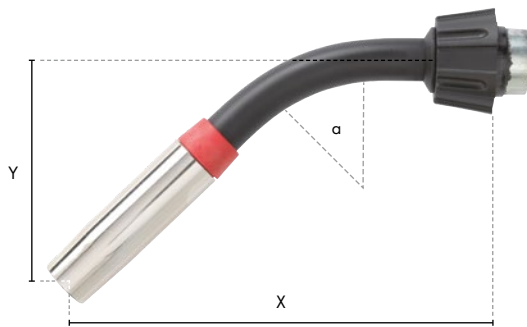
## TORCH NECKS ABIMIG® A T

- ✓ **Low downtimes due to quick torch neck exchange**
- ✓ **Various geometries**
- ✓ **Rotatable 360 degrees**

**The perfect fit ones:** Torches must fit the welding task. Thanks to the standard interface with M22 x 1.5 thread, all ABIMIG® A T torch necks and basic torches can be combined as required. The ABIMIG® A / A T torches are available in different power classes with various geometries and rotation functions. When selecting the torch neck and basic torch, please ensure that the power specifications of the selected components match your welding task.

### Variants

- T-model, rotatable 360 degrees with plastic outer tube
- TM-model, rotatable 360 degrees with metal outer tube
- T8M-model, fixed in 8 positions, can be repositioned in 45 degree increments, metal outer tube
- Combination neck model with neck liner, gas nozzle and contact tip
- Exchangeable neck model with contact tip holder, but without neck liner, gas nozzle and contact tip



Torch necks ABIMIG® A T 155						
Type	Interface	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck**
AT 155 short	T	45°	105 mm	55 mm	006.0131.1	006.D848.1
AT 155 standard	T	45°	125 mm	70 mm	006.0132.1	006.D804.1
AT 155 60°	T	60°	155 mm	90 mm	006.0194.1	006.0191.1
AT 155 L	T	45°	305 mm	55 mm	006.0176.1	006.0171.1

\*COMBI neck A T 155 each equipped with a neck liner and gas nozzle 155 ND12 and contact tip E-Cu M6/0.8

Torch necks ABIMIG® A T 255						
Type	Interface	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck**
AT 255 short	T	45°	125 mm	75 mm	004.0639.1	004.D837.1
AT 255 short metal	TM	45°	125 mm	75 mm	004.0638.1	004.D912.1
AT 255 standard	T	45°	160 mm	85 mm	004.0641.1	004.D831.1
AT 255 standard metal	TM	45°	160 mm	85 mm	004.0640.1	004.D842.1
AT 255 60° metal	TM	60°	135 mm	105 mm	004.0642.1	004.D860.1
AT 255 XL	T	45°	350 mm	85 mm	004.0631.1	004.0618.1
AT 255 XXL	T	45°	500 mm	85 mm	004.0736.1	004.0737.1
AT 255 straight	T8	0°	195 mm	-	004.0690.1	004.0691.1

\*COMBI neck A T 255 each equipped with a neck liner and gas nozzle 255 ND16 and contact tip E-Cu M6/1.0

\*\*Torch neck = with contact tip holder but without equipment: neck liner, gas nozzle and contact tip

### Torch necks ABIMIG® A T 305 / 355

Type	Interface	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck**
AT 305 / 355 extra short	TM	45°	135 mm	75 mm	014.0467.1	014.H403.1
AT 305 / 355 short	TM	45°	160 mm	85 mm	014.0469.1	014.H356.1
AT 305 / 355 standard	TM	45°	185 mm	95 mm	014.0473.1	014.H363.1
AT 305 / 355 60°	TM	60°	165 mm	110 mm	014.0471.1	014.H413.1
AT 305 / 355 L	TM	45°	350 mm	95 mm	014.0475.1	014.H374.1
AT 305 / 355 XL	TM	45°	500 mm	95 mm	014.0477.1	014.H380.1
AT 305 / 355 extra short	T8M	45°	135 mm	75 mm	014.0468.1	014.H583.1
AT 305 / 355 short	T8M	45°	160 mm	85 mm	014.0470.1	014.H588.1
AT 305 / 355 standard	T8M	45°	185 mm	95 mm	014.0474.1	014.H370.1
AT 305 / 355 60°	T8M	60°	165 mm	110 mm	014.0472.1	014.H415.1
AT 305 / 355 straight	T8M	0°	195 mm	0 mm	014.0540.1	014.0541.1
AT 305 / 355 straight	T8M	0°	220 mm	0 mm	014.H570.1	014.0649.1

\*COMBI neck A T 305 / 355 each equipped with a neck liner and gas nozzle 305/355/405 ND18 and contact tip CuCrZr M8/1.2

### Torch necks ABIMIG® A T 405

Type	Interface	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck**
AT 405 short	T8M	45°	185 mm	95 mm	015.0088.1	015.D117.1
AT 405 standard	T8M	45°	210 mm	95 mm	015.0089.1	015.D082.1
AT 405 straight	T8M	0°	250 mm	-	015.0103.1	015.0104.1

\*COMBI neck A T 405 each equipped with a neck liner and gas nozzle 305/355/405 ND18 and contact tip CuCrZr M8/1.6

### Torch necks ABIMIG® A T 455

Type	Interface	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck**
AT 455 bent	T8M	45°	220 mm	105 mm	016.D403.1	016.D395.1
AT 455 straight	T8M	45°	270 mm	-	016.0034.1	016.0035.1

\*COMBI neck A T 455 each equipped with a neck liner and gas nozzle 455 conical ND19 and contact tip CuCrZr

# ACCESSORIES & SPECIAL PARTS **ABIMIG® A / A T**

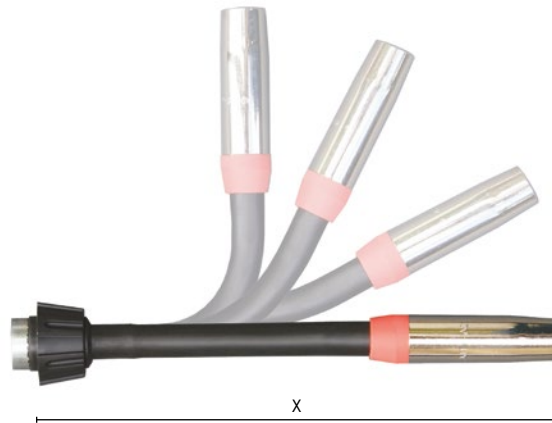
## FLEXIBLE TORCH NECKS ABIMIG® A T

- ✓ Individually adjustable torch neck
- ✓ For frequently changing welding positions
- ✓ Various performance classes and lengths

**The flexible ones:** If the welding position changes frequently, flexible torch necks are the ideal solution. They can be bent quickly and easily into the desired position and hold it during the process. Furthermore, they ensure the best possible welding results and a good view at all times. They are available in different power classes and various lengths.

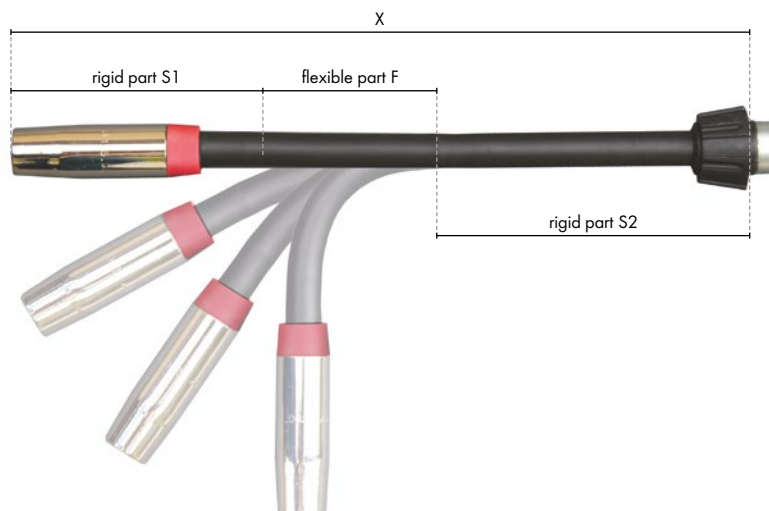
### Variants

- Available in lengths between 230 and 500 mm
- Various power classes
- Combination necks AT 305 L and XL connect flexible and rigid parts
- Standard exchangeable neck interface M22 x 1.5 thread



Flexible torch necks ABIMIG® A T				
Type	Contact tip	X	Rating CO <sub>2</sub> / Mixed gas M21*	Part-No.
COMBI neck A T 155 Flex	M6	230	290 A / 260 A	006.0133.1
COMBI neck A T 255 Flex	M6	250	290 A / 260 A	004.0646.1
COMBI neck A T 305 Flex	M8	250	290 A / 260 A	018.0191.1
COMBI neck A T 405 Flex	M8	260	400 A / 370 A	015.0140.1

\*DIN EN ISO 14175



Flexible torch necks ABIMIG® A T (lengths L and XL)							
Type	Contact tip	X	S1	S2	F	Rating CO <sub>2</sub> / Mixed gas M21*	Part-No.
COMBI neck A T 305 L Flex	M8	350	108	96	146	290 A / 260 A	018.0198.1
COMBI neck A T 305 XL Flex	M8	500	180	96	296	290 A / 260 A	018.0199.1

\*DIN EN ISO 14175



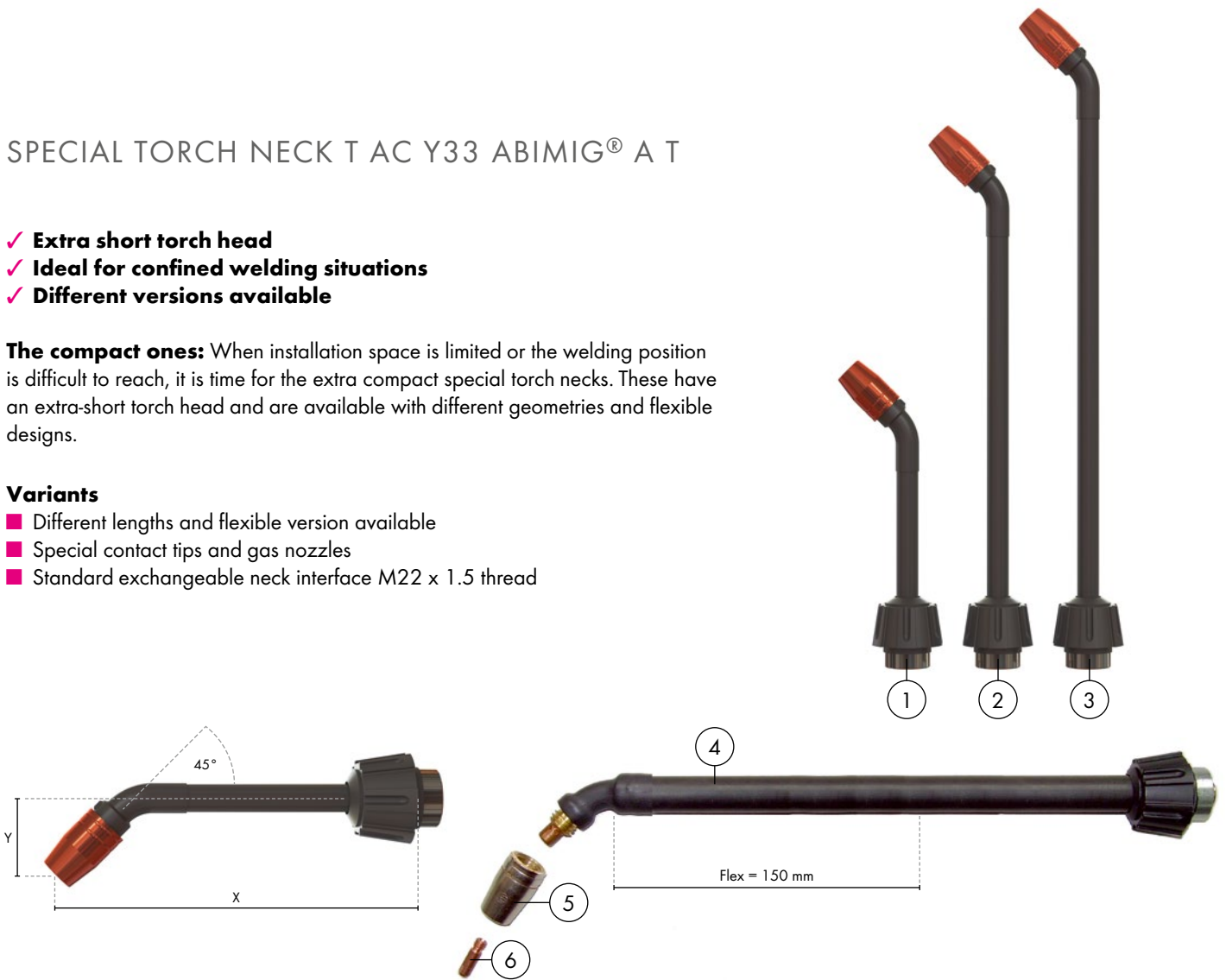
## SPECIAL TORCH NECK T AC Y33 ABIMIG® A T

- ✓ **Extra short torch head**
- ✓ **Ideal for confined welding situations**
- ✓ **Different versions available**

**The compact ones:** When installation space is limited or the welding position is difficult to reach, it is time for the extra compact special torch necks. These have an extra-short torch head and are available with different geometries and flexible designs.

### Variants

- Different lengths and flexible version available
- Special contact tips and gas nozzles
- Standard exchangeable neck interface M22 x 1.5 thread



Special torch neck T AC Y33							
Position	Type	Angle	X	Y	PU (pcs.)	Part-No.	
1	Special torch neck T AC Y33	45°	155 mm	33 mm	1	006.D844.1	
2	Special torch neck T AC Y33	45°	285 mm	33 mm	1	006.D787	
3	Special torch neck T AC Y33	45°	350 mm	33 mm	1	006.D829.1	
4	Special torch neck T AC Y33 Flex	flexible	300 mm	-	1	006.0162.1	
	<b>Equipment</b>	<b>Length</b>	<b>Ø</b>				
-	Neck liner 2.0	265 mm	-	-	1	122.D038*	
-	Neck liner 2.0	415 mm	-	-	1	122.D088*	
5	Contact tip E-Cu M6/0.8/20	-	0.8	-	10	140.0043	
5	Contact tip E-Cu M6/1.0/20	-	1.0	-	10	140.0236*	
5	Contact tip E-Cu M6/1.2/20	-	1.2	-	10	140.0374	
5	Contact tip CuCrZr M6/0.8/20	-	0.8	-	10	140.0044	
5	Contact tip CuCrZr M6/1.0/20	-	1.0	-	10	140.1067	
5	Contact tip CuCrZr M6/1.2/20	-	1.2	-	10	140.1068	
6	Gas nozzle con. ND 13	-	-	-	10	145.0408.10*	

\*Included in standard equipment

### Special torch neck T AC Y33

Rating: 220 A CO<sub>2</sub>  
200 A Mixed gas M21\*

Duty cycle: 60%

Wire Ø: 0.8-1.2 mm

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

# ACCESSORIES & SPECIAL PARTS **ABIMIG® A / A T**

## GAS NOZZLES ABIMIG® A / A T

- ✓ **Thick walls**
- ✓ **Longer service lives**
- ✓ **Low spatter adhesion**

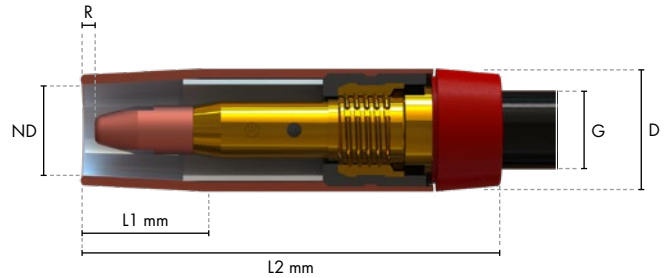
**The durable ones:** ABIMIG® high-performance gas nozzles have thick walls with a nickel-plated surface. This ensures particularly long service lives with reduced spatter adhesion and heat reflection, while at the same time providing optimal shielding gas coverage. They are available in different geometries and are matched to various torch types. Versions with extended insulation prevent bridging caused by welding spatter between gas nozzle and contact tip holder when welding vertical and overhead seams in forced positions.

### Variants

- Conical and cylindrical nozzles
- For different welding torch types
- Versions with extended insulation

### Legend:

ND	nominal diameter
R	contact tip recess
L1	length cone
L2	total length
G	thread
D	outside diameter
NI	nickel-plated
VI	long isolation
BL	blank surface Cu



ABIMIG® A / A T 155									
Description	Surface	G	Shape	ND	D	L1	L2	R	Part-No.
Gas nozzle KON M12 ND10 L52	NI	M12	conical	10	20	26	52	0	145.D006
Gas nozzle KON M12 ND12 L52*	NI	M12	conical	12	20	25	52	0	145.D001
Gas nozzle KON M12 ND12 L52	BL	M12	conical	12	20	25	52	0	145.D186
Gas nozzle KON M12 ND12 L54	NI	M12	conical	12	20	25	54	-2	145.D004
Gas nozzle ZYL M12 ND17 L52	NI	M12	cylindrical	17	20	0	52	0	145.D003

ABIMIG® A / A T 255									
Description	Surface	G	Shape	ND	D	L1	L2	R	Part-No.
Gas nozzle KON M14 ND10 L67	NI	M14	conical	10	22	22	67	0	145.D268
Gas nozzle KON M14 ND12 L67	NI	M14	conical	12	22	30	67	0	145.D013
Gas nozzle KON M14 ND12 L70	NI	M14	conical	12	22	45	70	-3	145.D015
Gas nozzle KON M14 ND14 L67	NI	M14	conical	14	22	30	67	0	145.D012
Gas nozzle KON M14 ND14 L70	NI	M14	conical	14	22	30	70	-3	145.D016
Gas nozzle KON M14 ND16 L70*	NI	M14	conical	16	22	30	70	-3	145.D011
Gas nozzle KON M14 ND16 L70	BL	M14	conical	16	22	30	70	-3	145.D190
Gas nozzle ZYL M14 ND18 L69	NI	M14	cylindrical	18	22	0	69	0	145.D014
Gas nozzle KON M14 ND16 L70 VI	NI	M14	conical	16	22	20	70	-3	145.D195

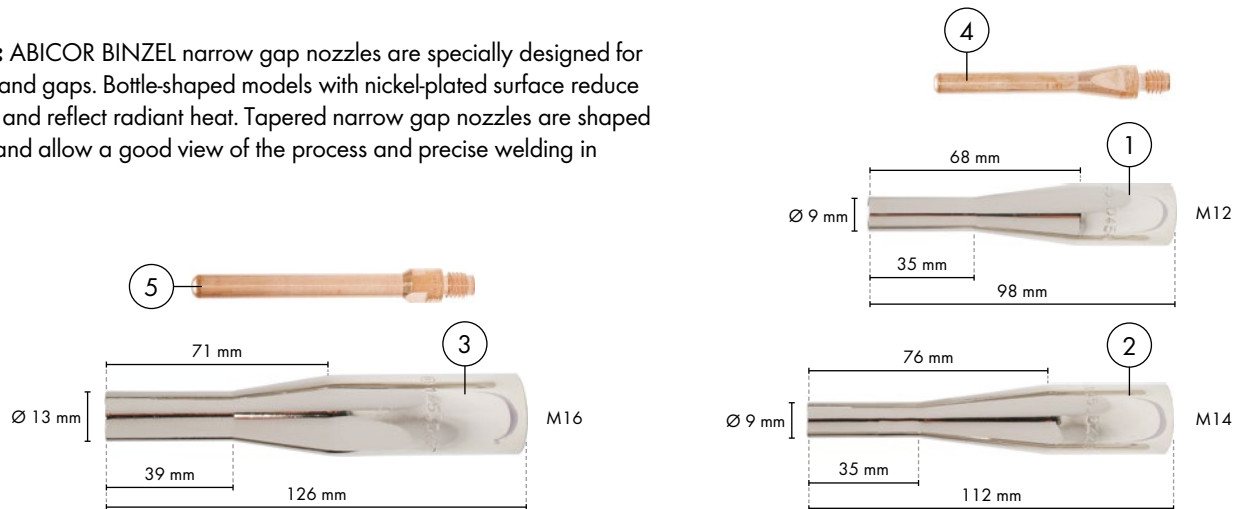
ABIMIG® A / A T 305/355/405									
Description	Surface	G	Shape	ND	D	L1	L2	R	Part-No.
Gas nozzle KON M16 ND10 L69	NI	M16	conical	10	25	32	69	0	145.D267
Gas nozzle KON M16 ND12 L72	NI	M16	conical	12	25	34	72	-3	145.D025
Gas nozzle KON M16 ND14 L69	NI	M16	conical	14	25	26	69	0	145.D023
Gas nozzle KON M16 ND15 L72 VI	NI	M16	conical	15	25	23	72	-3	145.D217
Gas nozzle KON M16 ND16 L69	NI	M16	conical	16	25	30	69	0	145.D022
Gas nozzle KON M16 ND16 L72	NI	M16	conical	16	25	30	72	-3	145.D026
Gas nozzle KON M16 ND18 L72*	NI	M16	conical	18	25	30	72	-3	145.D021
Gas nozzle KON M16 ND18 L72	BL	M16	conical	18	25	30	72	-3	145.D036
Gas nozzle KON M16 ND18 L72 VI	NI	M16	conical	18	25	25	72	-3	145.D194
Gas nozzle ZYL M16 ND21 L71	NI	M16	cylindrical	21	25	0	71	-3	145.D024
Gas nozzle ZYL M16 ND21 L71 VI	NI	M16	cylindrical	21	25	0	71	-2	145.D353

\*Standard equipment of the torch type

## NARROW GAP GAS NOZZLES ABIMIG® A / A T

- ✓ **Tapered or bottle-shaped**
- ✓ **Ideal for working in narrow joints and gaps**
- ✓ **Time and material savings through narrow gap welding with less distortion**

**The slim ones:** ABICOR BINZEL narrow gap nozzles are specially designed for welding in joints and gaps. Bottle-shaped models with nickel-plated surface reduce spatter adhesion and reflect radiant heat. Tapered narrow gap nozzles are shaped strongly conical and allow a good view of the process and precise welding in narrow gaps.

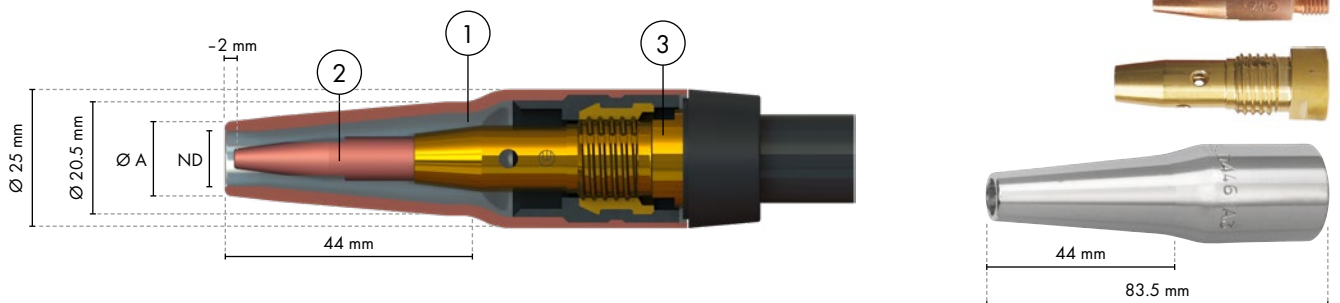


### Gas nozzles and narrow gap gas nozzles for ABIMIG® A / A T

Position	Description	Torch type	PU (pcs.)	Part-No.
1	Gas nozzle BOT M12 ND9 L98	A / AT 155	5	145.D450.5
2	Gas nozzle BOT M14 ND9 L112	A / AT 255	5	145.D448.5
3	Gas nozzle BOT M16 ND13 L126	A / AT 305/355/405	5	145.D437.5
4	Contact tip CuCrZr M6/0.8/71	A / AT 155/255	10	140.1644.10
4	Contact tip CuCrZr M6/1.0/71	A / AT 155/255	10	140.D465.10
4	Contact tip CuCrZr M6/1.2/71	A / AT 155/255	10	140.D466.10
5	Contact tip CuCrZr M8/1.0/85	A / AT 305/355/405	10	140.1584.10
5	Contact tip CuCrZr M8/1.2/85	A / AT 305/355/405	10	140.1585.10

## NARROW GAP GAS NOZZLE, TAPERED, ABIMIG® A / A T 305 / 355 / 405

The strongly conical narrow-gap pointed gas nozzle enables a good view of the process and thus precise work in narrow gaps.



### Narrow gap gas nozzle, tapered, for ABIMIG® A / A T 305 / 355 / 405

Position	Description	Length	ND	Ø A	PU (pcs.)	Part-No.
1	Gas nozzle SPI M16	83.5 mm	10.0 mm	13.2 mm	5	145.D402.5
1	Gas nozzle SPI M16	83.5 mm	8.0 mm	11.8 mm	5	145.D446.5
2	Contact tip E-Cu M6	41.0 mm	1.0 mm		10	140.D454.10
2	Contact tip E-Cu M6	41.0 mm	1.2 mm		10	140.D455.10
2	Contact tip CuCrZr M6, silver-plated	41.0 mm	1.0 mm		10	147.D010.10
2	Contact tip CuCrZr M6, silver-plated	41.0 mm	1.2 mm		10	147.D011.10
3	Contact tip holder M16/M6, with M12x1	52.0 mm	-		5	014.H231.5

# ACCESSORIES & SPECIAL PARTS **ABIMIG® W / W T**

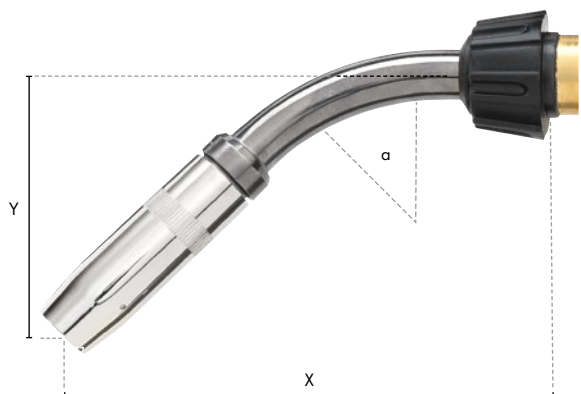
## TORCH NECKS ABIMIG® W T

- ✓ **Low downtimes due to quick torch neck exchange**
- ✓ **Various geometries**
- ✓ **Rotatable 360 degrees**

**The perfect fit ones:** Torches must fit the welding task. Thanks to a uniform basic welding torch package for all compatible torch necks in various performance classes and geometries, the welding torches can be adapted quickly and easily to the welding task. This reduces downtimes and storage.

### Variants

- Various geometries and performance classes available
- Easy, quick torch neck exchange
- Same basic torch for all performance classes
- T-interface can be rotated steplessly through 360 degrees
- Exchangeable neck model with contact tip holder, but without neck liner, gas nozzles and contact tip



### Torch necks ABIMIG® W T 340

Type	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck (not equipped)
WT 340 short	50°	125 mm	75 mm	788.0056.1	788.0057.1
WT 340 standard	50°	140 mm	85 mm	788.0019.1	788.0020.1
WT 340 straight	0°	170 mm	-	788.0127.1	788.0128.1

\*COMBI neck W T 340 each equipped with a neck liner and gas nozzle 340 ND12.5 and contact tip CuCrZr M6/1.0

### Torch necks ABIMIG® W T 440

Type	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck**
WT 440 short	50°	125 mm	80 mm	788.0058.1	788.0059.1
WT 440 standard	50°	145 mm	85 mm	788.0004.1	788.0005.1
WT 440 60°	60°	165 mm	105 mm	788.0073.1	788.0074.1
WT 440 L	50°	185 mm	85 mm	788.0067.1	788.0068.1
WT 440 XL	50°	250 mm	85 mm	788.0259.1	788.0260.1
WT 440 XL	50°	350 mm	85 mm	788.0075.1	788.0076.1
WT 440 XXL	50°	500 mm	85 mm	788.0189.1	788.0171.1
WT 440 XXXL	50°	750 mm	85 mm	788.0321.1	788.0322.1
WT 440 straight	0°	175 mm	-	788.0129.1	788.0130.1

\*COMBI neck W T 440 each equipped with a neck liner and gas nozzle 440 ND14.5 and contact tip CuCrZr M8/1.2

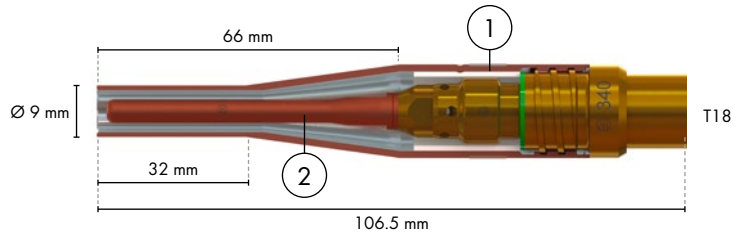
### Torch necks ABIMIG® W T 540

Type	$\alpha$ (angle )	X	Y	Part-No. COMBI neck*	Part-No. Torch neck**
WT 540 short	50°	140 mm	85 mm	788.0081.1	788.0082.1
WT 540 standard	50°	150 mm	90 mm	788.0025.1	788.0026.1
WT 540 L	50°	200 mm	90 mm	788.0087.1	788.0088.1
WT 540 XL	50°	360 mm	90 mm	788.0095.1	788.0096.1
WT 540 XXL	50°	495 mm	90 mm	788.0101.1	788.0102.1
WT 540 straight	0°	190 mm	-	788.0133.1	788.0134.1

\*COMBI neck W T 540 each equipped with a neck liner and gas nozzle 540 ND16 and contact tip CuCrZr M8/1.2

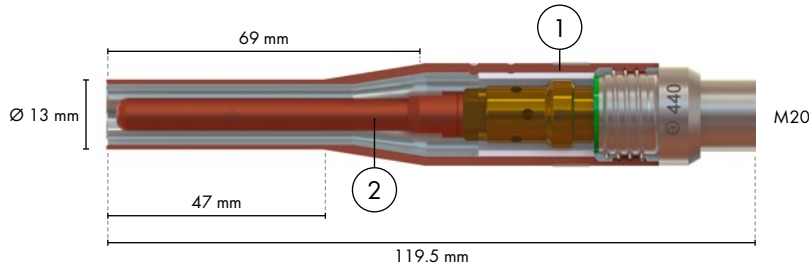


## NARROW GAP GAS NOZZLES ABIMIG® W / W T



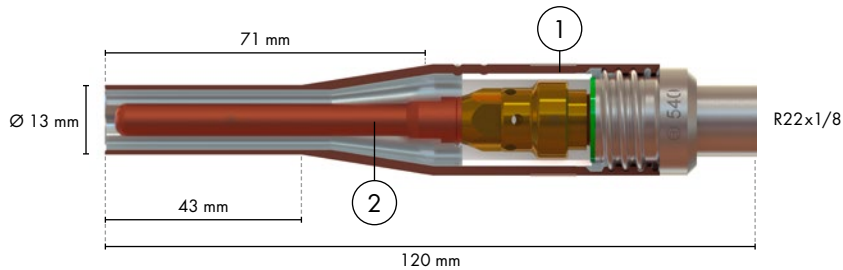
### Narrow gap gas nozzle for ABIMIG® W / W T 340

Position	Description	PU (pcs.)	Part-No.
1	Gas nozzle BOT T18 ND9 L106.5	5	145.0817.5
2	Contact tip CuCrZr M6/0.8/71	10	140.1644.10
2	Contact tip CuCrZr M6/1.0/71	10	140.D465.10
2	Contact tip CuCrZr M6/1.2/71	10	140.D466.10



### Narrow gap gas nozzle for ABIMIG® W / W T 440

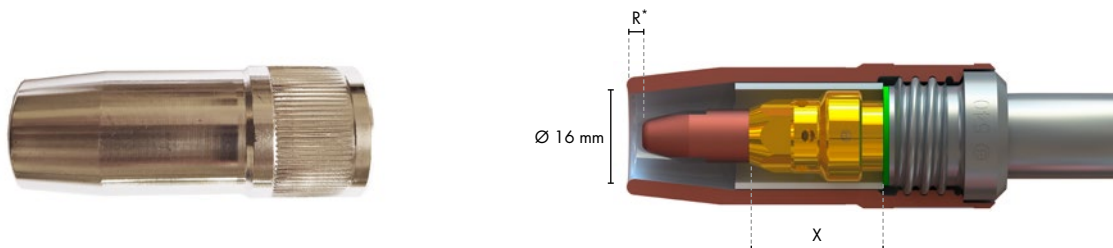
Position	Description	PU (pcs.)	Part-No.
1	Gas nozzle BOT M20 ND13 L119.5	5	145.0819.5
2	Contact tip CuCrZr M8/1.0/85	10	140.1584.10
2	Contact tip CuCrZr M8/1.2/85	10	140.1585.10



### Narrow gap gas nozzle for ABIMIG® W / W T 540

Position	Description	PU (pcs.)	Part-No.
1	Gas nozzle BOT R22x1/8 ND13 L120	5	145.0821.5
2	Contact tip CuCrZr M8/1.0/85	10	140.1584.10
2	Contact tip CuCrZr M8/1.2/85	10	140.1585.10

## HEAVY DUTY GAS NOZZLE ABIMIG® W / W T 540



### Heavy duty gas nozzle ABIMIG® W / W T 540

Type	PU (pcs.)	Part-No.
HD gas nozzle ABIMIG® W / W T 540 ND16	5	145.0857.5

\*Contact tip recess R = -0.5 mm with contact tip holder x = 27 mm (142.0240.5 or 142.0248.5)

\*Contact tip recess R = -2.5 mm with contact tip holder x = 25 mm (142.0239.5 or 142.0247.5)

# ACCESSORIES & SPECIAL PARTS **MB**

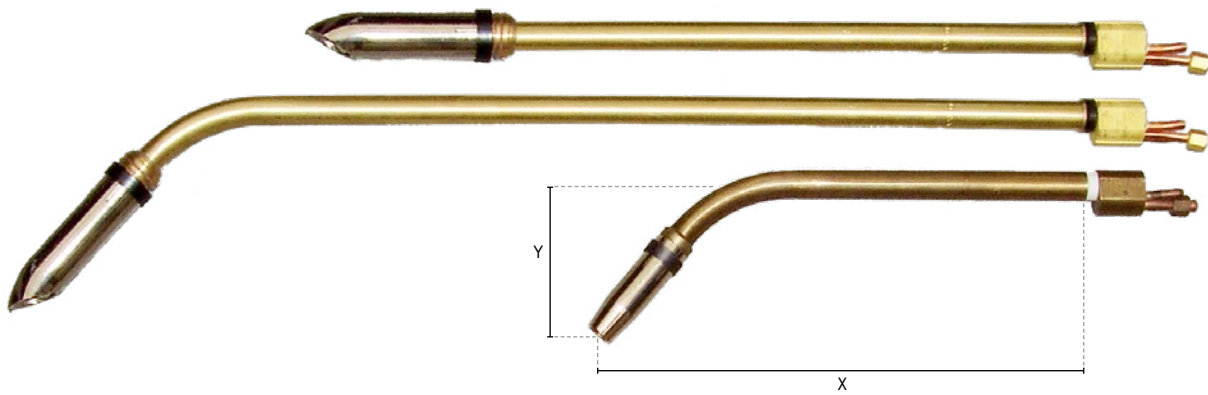
## SPECIAL TORCH NECKS MB EVO PRO 501 D

- ✓ **Fixed torch necks**
- ✓ **Special geometry for special requirements**
- ✓ **For MB EVO PRO 501 D**

**The specialists:** The special torch necks MB EVO PRO 501 D are available in various designs, lengths and geometries. They are designed especially for specific requirements.

### Variants

- Straight and curved neck
- Lengths from 150 to 650 mm
- Individual special variants available on request



Special torch necks MB EVO PRO 501 D					
Type	Description	Angle	X	Y	Part-No.
Short	standard MB EVO PRO 401 D	50°	110	95	033.0378.1
Standard	standard MB EVO PRO 501 D	50°	150	95	034.0856.1
30°	for wires that are difficult to feed	30°	175	54	034.1079.1
L	long (+150 mm)	50°	300	95	034.0930.1
XL	extra long (+350 mm)	50°	500	95	034.0932.1
XXL	super extra long (+650 mm)	50°	800	95	034.1005.1
Straight	straight neck	0°	190	0	034.1029.1
Straight L	straight neck long (+310 mm)	0°	500	0	034.1085.1

Further geometries available on request

## NARROW GAP GAS NOZZLES MB

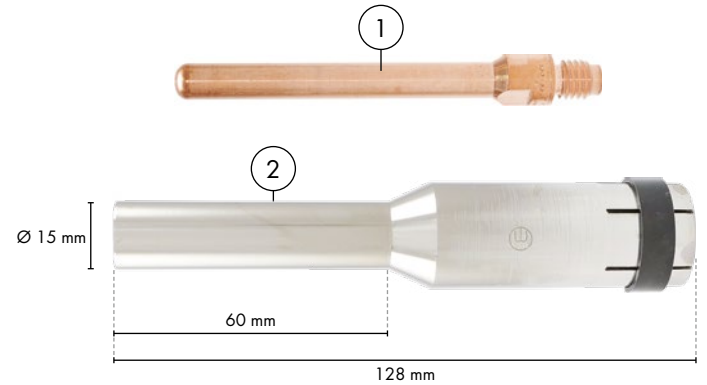
- ✓ **Coated narrow gap nozzle**
- ✓ **Narrow gap nozzle with exchangeable gas nozzle extension**
- ✓ **Ideal for working in joints and gaps**

**The slim ones:** The narrow gap nozzles for different welding torch types are available with coating or with exchangeable gas nozzle extension. Because of the narrow gap between contact tip and gas nozzle, a regular check for adhering welding spatters and dirt is required. In addition it is recommended to use ABICOR BINZEL ceramic spray.

### Technical data

Rating: 250 A CO<sub>2</sub>  
 Duty cycle: 60%  
 Wire Ø: 1.0–1.2 mm

- Reduced spatter adhesion due to coating
- Cost-effective adaptation due to a exchangeable gas nozzle extension
- For torches MB 401/501, MB 26, MB 36 and ABIMIG® GRIP W 555



Gas nozzles and narrow gap gas nozzles for MB			
Position	Description	PU (pcs.)	Part-No.
1	Contact tip 1.0 CuCrZr M8/1.0/85	10	140.1584.10
1	Contact tip 1.2 CuCrZr M8/1.2/85	10	140.1585.10
2	Gas nozzle ND12, AD15, L128	5	145.0707.5

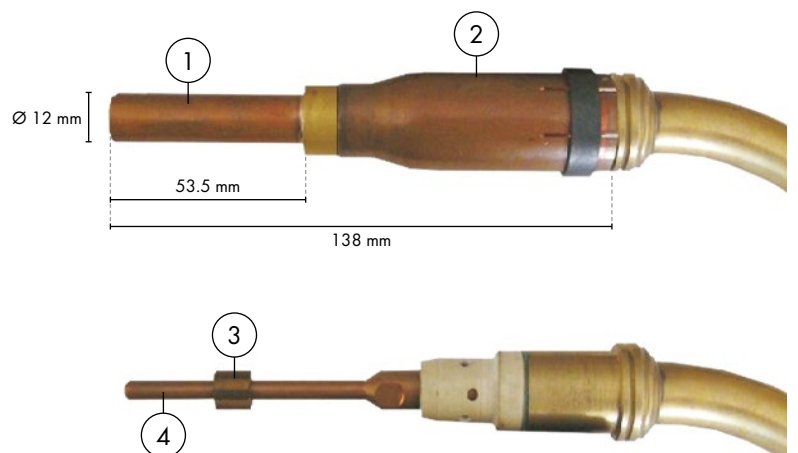
For MB 36 use the contact tip holder 142.0082 and gas diffuser 018.0116.10.

Narrow gap gas nozzle with exchangeable gas nozzle extension for torch types MB 401/501; MB26; MB 36 and ABIMIG® GRIP W 555.

Due to the narrow gap between the contact tip and gas nozzle, regular checks for adhering weld spatter and dirt are necessary. We recommend using the ABICOR BINZEL Ceramic Spray 192.0228.1 to reduce the adhesion of weld spatter and make cleaning the parts easier.

### Technical data

Rating: 250 A CO<sub>2</sub>  
 Duty cycle: 60%  
 Wire Ø: 1.0–1.2 mm



Narrow gap gas nozzles for MB			
Position	Description	PU (pcs.)	Part-No.
1	Extension for gas nozzle Di10 / Da12	10	030.0010
2	Gas nozzle base body	10	145.0166
3	Centering piece	10	030.0118
4	Contact tip E-Cu M8 / 1.0 / 95	10	140.0343
4	Contact tip E-Cu M8 / 1.2 / 95	10	140.0475

For MB 36 use the contact tip holder 142.0082 and gas diffuser 018.0116.10.

# ACCESSORIES & SPECIAL PARTS **MB**

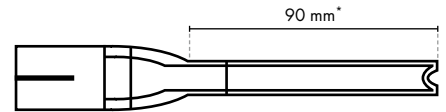
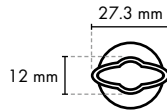
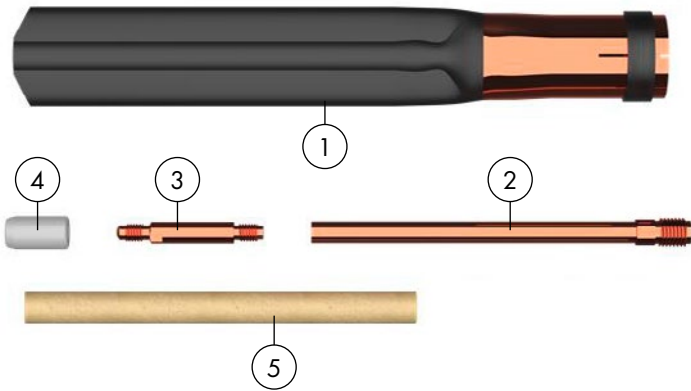
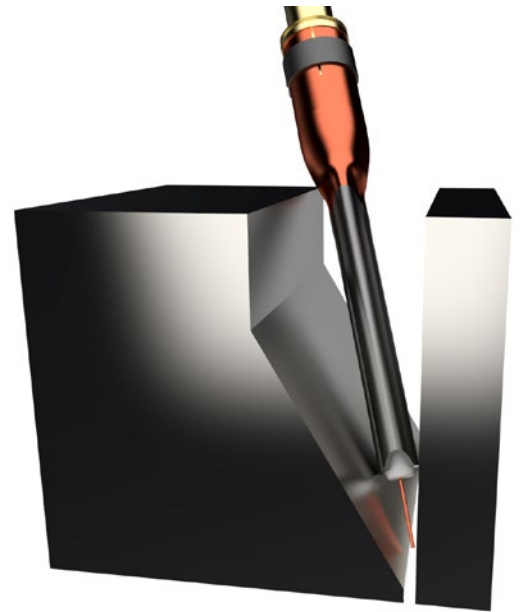
## NARROW GAP SYSTEM MB HD PRO

- ✓ **Ideal for working in joints and gaps**
- ✓ **Long service life**
- ✓ **Improved view**

**The system solution:** For particularly narrow applications, the MIG/MAG narrow gap systems HD PRO with push-on gas nozzle are a good and durable choice. They enable welding in narrow gaps and ensure exceptionally average service lives.

### Advantages at a glance

- Improved view of weld seam due to slim design
- Increased service life thanks to material combination and coating
- No short circuits on narrow components due to perfect electrical insulation
- Two standard variants: joint depth 90 and 150 mm
- Variants for two wire diameters: 1.0 and 1.2 mm



\*In 90 mm and 150 mm available

<b>Narrow gap system HD PRO</b>			
Position	Description	PU (pcs.)	Part-No.
1-5	Narrow gap system HD PRO 90/1.0	1	528.0030.1
1-5	Narrow gap system HD PRO 90/1.2	1	528.0001.1
1-5	Narrow gap system HD PRO 150/1.0	1	528.0031.1
1-5	Narrow gap system HD PRO 150/1.2	1	528.0005.1
1	Gas nozzle HD PRO 90	1	528.0023.1
1	Gas nozzle HD PRO 150	1	528.0022.1
2	Current contact tube 90	1	528.0003.1
2	Current contact tube 150	1	528.0007.1
3	Contact tip HDS/M5/1.0/40	5	528.0009.5
3	Contact tip HDS/M5/1.2/40	5	528.0010.5
4	Insulating cap	1	528.0011.1
5	Insulating tube 90	1	528.0004.1
5	Insulating tube 150	1	528.0008.1

<b>Contact tip holder</b>			
Torch type	Description	PU (pcs.)	Part-No.
MB 401 / 501	Contact tip holder M8 / M10x1 · 25.0 mm	10	142.0022
MB 36	Contact tip holder M8 / M 8 · 22.0 mm	10	142.0082
ABIMIG® GRIP W 555	Contact tip holder M8 / M10x1 · 25.0 mm	10	142.0022

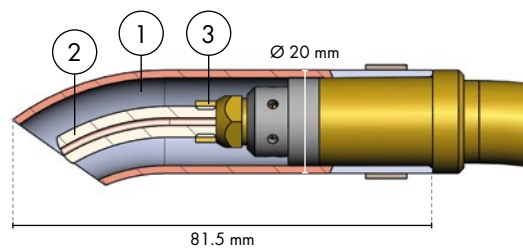
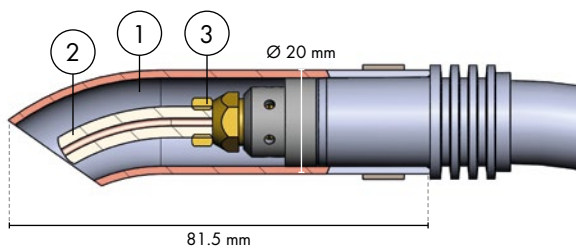
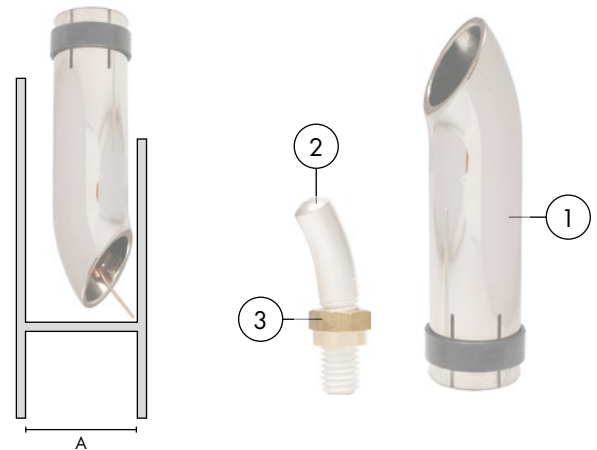
The HD PRO narrow gap system can be used with the torch types mentioned in use with the contact tip holders listed. Please note that the nozzle assembly may differ from the variants installed in series.



## BENT GAS NOZZLES FOR MB WELDING TORCHES

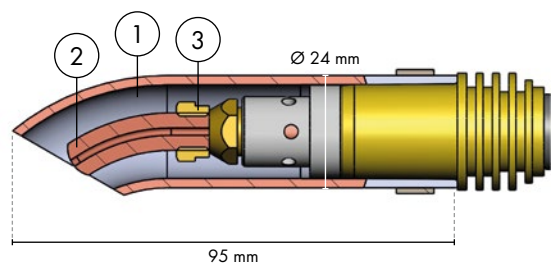
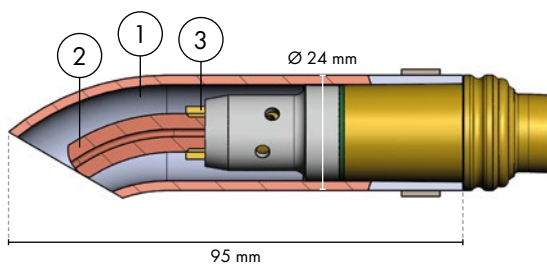
■ Bent gas nozzles and contact tips for hard-to-reach welding seams in narrow working spaces

■ For welding torch types MB 24, MB 240, MB 26, MB 36, MB 401/501 and ABIMIG® GRIP W 555



### Bent gas nozzles for MB 240 D and MB 24 KD

Position	Description	A	Wire Ø	PU (pcs.)	Part-No.
1	Gas nozzle bent Da20 Di17 L82	25 mm	-	5	145.D457.5
2	Contact tip E-Cu M6/0.8 bent	-	0.8 mm	10	140.1666.10
2	Contact tip E-Cu M6/1.0 bent	-	1.0 mm	10	140.D476.10
2	Contact tip E-Cu M6/1.2 bent	-	1.2 mm	10	140.D478.10
3	Hex nut M6 SW8	-	-	10	001.D220.10



### Bent gas nozzles for MB 26, MB 36, MB 401/501 and ABIMIG® GRIP W 555\*

Position	Description	A	Wire Ø	PU (pcs.)	Part-No.
1	Gas nozzle bent Da24 Di20 L95	30 mm	-	5	145.D460.5
2	Contact tip CuCrZr M8/1.0/41 bent, silver-plated	-	1.0 mm	10	147.D481.10
2	Contact tip CuCrZr M8/1.2/41 bent, silver-plated	-	1.2 mm	10	147.D482.10
3	Hex nut M8 SW11	-	-	10	001.D221.10

\*For MB 36 use the contact tip holder 142.0082 and gas diffuser 018.0116.10.

For MB 401 D/501 D and ABIMIG® GRIP W 555 use contact tip holder 142.0022.

# ACCESSORIES & SPECIAL PARTS **MB**

## LIQUID COOLED GAS NOZZLE ■ MB 401/501 ABIMIG® GRIP W 555

- ✓ **Liquid cooled special gas nozzle**
- ✓ **For high-amperage welding with high duty cycle on preheated components**
- ✓ **For all MB 401/501 welding torch series and ABIMIG® GRIP W 555**

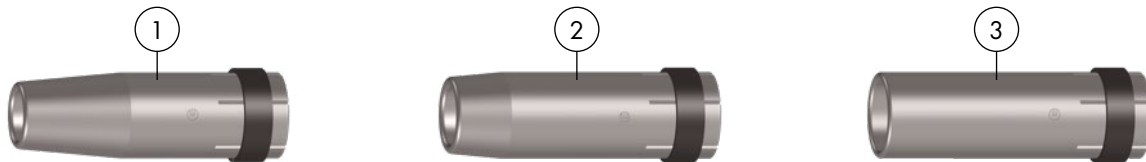
**The cooled ones:** The liquid cooled special gas nozzles for MIG/MAG welding torches are developed especially for the most demanding welding tasks. They are suitable for applications where the heat released by the welding arc and weld metal exceeds the application ranges of conventional gas nozzles. The gas nozzles must be connected to an auxiliary cooling system or connected in series with the cooling system of the welding torch.



<b>Liquid cooled gas nozzle MB 401/501 and ABIMIG® GRIP W 555</b>	
Description	Part-No.
Gas nozzle cyl. ND16 L76, liquid cooled	145.0064

## NICKLE-PLATED GAS NOZZLES ■ MB 401/501 ■ ABIMIG® GRIP W 555

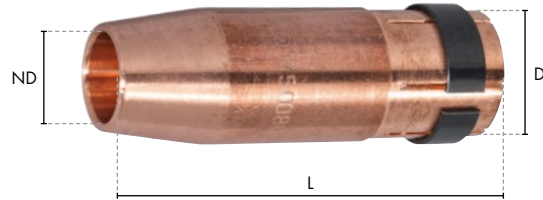
- **Nickle-plated surface for less spatter adhesion and reflected radiant heat**
- **For all MB 401/501 welding torch series and ABIMIG® GRIP W 555**



<b>Gas nozzle nickle-plated MB 401/501 and ABIMIG® GRIP W 555</b>			
Position	Description	PU (pcs.)	Part-No.
1	Gas nozzle conical ND14 76 mm	1	145.D387
2	Gas nozzle conical ND16 76 mm	1	145.D388
3	Gas nozzle cylindrical ND20 76 mm	1	145.D389

## HEAVY DUTY GAS NOZZLES ■ MB 25 / 24 / 240 / 401 / 501 ABIMIG® GRIP W 555

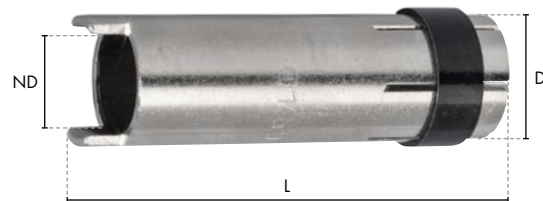
**The heat-resistant ones:** With their thicker walls, heavy duty gas nozzles are ideal for welding applications where great heat is generated. For example, during welding in the high amperage range or with preheated components.



Heavy duty gas nozzles for MB 25 / 24 / 240 / 401 / 501 and ABIMIG® GRIP W 555					
Torch type	Description	ND	D	L	Part-No.
MB25	Pressed insulation, conical, nickel-plated surface	15	25	57	145.D030
MB 24 / MB 240	Conical, nickel-plated surface	12.5	21	63.5	145.0101
MB 24 / MB 240	Cylindrical, nickel-plated surface	17	21	63.5	145.0062
MB 401 / 501 ABIMIG® GRIP W 555	Only use with spatter protection 146.0013	16	25	76	145.0086

## SPOT GAS NOZZLES FOR MB WELDING TORCHES

**The spacers:** Spot gas nozzles are used for spot welding of sheet metal and tacking components. They are placed on the workpiece to ensure a constant distance. This makes the work easier and ensures consistent quality.



Spot gas nozzles for MB welding torches				
Torch type	ND	D	L	Part-No.
MB15	16	19	60	145.0168
MB 25	18	22	67	145.0169
MB 24 / MB 240	17	20	68	145.0174
MB 36	20	24	90	145.0172
MB 26 / MB 401 / 501 ■ ABIMIG® GRIP W 555	20	24	85	145.0179

# BIKOX® CABLES ■ CONTROL CABLES ■ HOSES

CABLES, HOSES AND CONTROL CABLES FOR THE SERVICE AND REPAIR OF MIG/MAG WELDING TORCHES

Cable assemblies air cooled		Cable assembly length			
Type	BIKOX®	3 m	4 m	5 m	8 m
MB EVO PRO 15 / ABIMIG® 155 kW	R4 / LW	160.H025.1	160.H026.1	160.H027.1	-
MB EVO PRO 24	R6-5 / LW	160.1330.1	160.1331.1	160.1332.1	-
MB EVO PRO 25 / ABIMIG® 255 kW	R5 / LW	160.H032.1	160.H033.1	160.H034.1	-
MB EVO PRO 26 / ABIMIG® 305 kW	R6 / LW	160.H039.1	160.H040.1	160.H041.1	-
MB EVO PRO 36 / ABIMIG® 355 kW	R7 / LW	160.H046.1	160.H047.1	160.H048.1	-
MB EVO 15	R10	160.1291.1	160.1292.1	160.1293.1	-
MB EVO 24	R25	160.D427	160.D428	160.D429	-
MB EVO 25	R20	160.1294.1	160.1295.1	160.1296.1	-
MB EVO 26	R30	160.1305.1	160.1306.1	160.1307.1	-
MB EVO 36	R30	160.1308.1	160.1309.1	160.1310.1	-
Push-Pull Plus 36 D	Type 35	-	-	-	118.0074

Cable assemblies liquid cooled		Cable assembly length				
Type	Description	3 m	4 m	5 m	8 m	per m
MB EVO PRO 240 / 401 / 501	Power cable FRH	115.0830.1	115.0831.1	115.0832.1	-	-
MB EVO 240 / 401 / 501	Power cable PVC	115.0833.1	115.0834.1	115.0835.1	-	-
ABIMIG® GRIP W 555	Power cable PVC	115.0581	115.0582	115.0583	-	-
ABIMIG® W 340 / 440 / 540	Power cable PVC	115.0855.1	115.0856.1	115.0857.1	-	-
Push-Pull Plus 401	Power cable PVC	-	-	-	115.0043	-
MB EVO PRO 240 / 401 / 501	Wire conduit / gas hose	154.0017.1	154.0018.1	154.0019.1	-	-
ABIMIG® GRIP W 555	Wire conduit	156.0275	156.0276	156.0277	-	-
ABIMIG® W T 340 / 440 / 540	Wire conduit / gas hose	109.0094.1	109.0095.1	109.0096.1	-	-
ABIMIG® W 340 / 440 / 540	Wire conduit / gas hose	154.0020.1	154.0021.1	154.0022.1	-	-
Push-Pull Plus 401	Wire conduit	-	-	-	156.0273	-
MB EVO PRO 240 / 401 / 501	Water hose black FRH - Ø 5.5x1.5	-	-	-	-	109.0052
MB GRIP 240 / 401 / 501						
MB EVO 240 / 401 / 501	Water hose red PVC - Ø 5.5x1.5	-	-	-	-	109.0056
ABIMIG® W T 340 / 440 / 540						
ABIMIG® W 340 / 440 / 540						
Push-Pull Plus 401						
MB EVO 240 / 401 / 501	Water hose blue PVC - Ø 5.5x1.5	-	-	-	-	109.0057
ABIMIG® GRIP W 555						
ABIMIG® W 340 / 440 / 540						
ABIMIG® W T 340 / 440 / 540						
Push-Pull Plus 401						



<b>Cable assemblies liquid cooled</b>		<b>Cable assembly length</b>				
Type	Description	3 m	4 m	5 m	8 m	per m
ABIMIG® GRIP W 555	Gas hose	-	-	-	-	109.0040
Push-Pull Plus 401	Gas hose	-	-	-	-	109.0040
all torches	Control cable 2-pole	-	-	-	-	100.0019

<b>Outer hose</b>		<b>Cable assembly length</b>			
Type	Description	3 m	4 m	5 m	per m
MB EVO PRO 240 / 401 / 501	Outer hose 25x1.5 (with bend protection)	107.0109.1	107.0110.1	107.0111.1	107.0004
MB EVO 240 / 401 / 501 ABIMIG® 340 / 440 / 540	Outer hose 25x1.5 (with bend protection)	107.0109.1	107.0110.1	107.0111.1	107.0004
ABIMIG® GRIP W 555	Outer hose 25x1.5	-	-	-	107.0004
Push-Pull Plus 36 / 401	Outer hose 25x1.5	-	-	-	107.0004
ABIMIG® W T 340 / 440 / 540	Outer hose 25x1.5 (with bend protection)	107.0079	107.0044	107.0080	-

<b>Hose clamps ▪ Quick connector ▪ Marking washer</b>			<b>for hose</b>			
Type	PU (pcs.)	Part-No.	109.0040	109.0052	109.0056	109.0057
Hose clamp D=9.5 stepless MB EVO PRO / MB EVO	20	173.0015.20	-	•	•	•
Hose clamp Ø=8.7	100	171.0002	•	-	-	-
Hose clamp Ø=9.0 with ring (mark. 9.5)	100	173.0001	-	-	•	•
Hose clamp Ø=9.5 with ring (mark. 10.0)	100	173.0002	-	•	-	-
Hose clamp Ø=9.5	20	173.0015.20	-	-	-	•
Quick connector ND 5 / Ø=6.0	20	501.0114	-	•	•	•
Marking washer red	20	501.2166	-	•	-	-
Marking washer blue	20	501.2167	-	•	-	-
Fastener cap red	20	501.2423	-	•	•	-
Fastener cap blue	20	501.2424	-	•	-	•

# HANDLES ■ MODULES

## HANDLES, TRIGGERS AND REMOTE CONTROL MODULES FOR REPAIR OR CONVERSION OF THE WELDING TORCHES

### Handle MB EVO PRO without modules

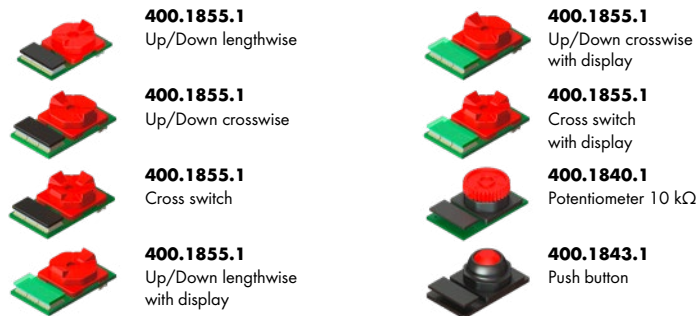


Type	Description	Part-No.
Handle type MB EVO PRO air cooled, standard, without modules	for MB EVO PRO 15 / 24 / 25 / 26 / 36	180.0176.1
Handle type MB EVO PRO liquid cooled, standard, without modules	for MB EVO PRO 240 / 401 / 501	180.0177.1
Cable protection MB EVO PRO	for MB EVO PRO 15 / 24 / 25 / 26 / 36	400.D574.1
Half rings red	for ball joint cable protection (400.D574.1)	400.D561.2

### Handle MB EVO PRO for modules



Please contact us for the exact configuration of module torches.



Type	Description	Part-No.
Handle type MB EVO PRO air cooled, for modules	for MB EVO PRO 24 / 36	180.0192.1
Handle type MB EVO PRO liquid cooled, for modules	for MB EVO PRO 240 / 401 / 501	180.0193.1
Control module set	U/D lengthwise and crosswise, cross switch, with and without display	400.1855.1
Control module	potentiometer 10 kΩ	400.1840.1
Control module	push button	400.1843.1
Cable protection MB EVO PRO	for MB EVO PRO 15 / 24 / 25 / 26 / 36	400.D574.1
Half rings red	for ball joint cable protection (400.D574.1)	400.D561.2

### Handle MB EVO without modules



Type	Description	Part-No.
Handle type MB EVO air cooled	for MB EVO 15 / 24 / 25 / 26 / 36	180.0178.1
Handle type MB EVO liquid cooled	for MB EVO 240 / 401 / 501	180.0179.1
Cable protection MB EVO	for MB EVO 15 / 24 / 25 / 26 / 36	400.D574.1
Half rings black	for ball joint cable protection (400.D574.1)	400.D451.2

### Handle ABIMIG® GRIP S without modules



Type	Description	Part-No.
Handle type ABIMIG® GRIP S	for ABIMIG® GRIP W 555	180.0132.1
Ball joint cable protection ABIMIG® GRIP W liquid cooled	for ABIMIG® GRIP W 555	400.1392.1
Innening ABIMIG® GRIP W liquid cooled	for ball joint cable protection (400.1392.1)	400.0790

### Handle ABIMIG® GRIP SH for modules



incl. add-on for control modules  
Part-No.: 180.0133.1



**BIS-01L**



**BIS-01R**



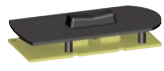
**BIS-02**



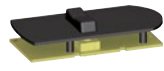
**BIS-06**



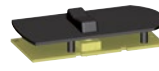
**BIS-07B**



**BIS-10A**



**BIS-10B**



**BIS-10D**



**BIS-13A**



**BIS-18**



**BIS-19**

incl. add-on for control modules

Type	Description	Part-No.
Handle Typ ABIMIG® GRIP SH (without control module)	for MB GRIP 15 / 24 / 25 / 26 / 36 / 240 / 401 / 501 to use only with adapter 400.1341.1	180.0133.1
Handle Typ ABIMIG® GRIP SH (without control module)	for ABIMIG® GRIP W 555	
BIS-01L	control module with potentiometer left 10 kΩ	400.0956
BIS-01R	control module with potentiometer right 10 kΩ	400.0957
BIS-02	control module with potentiometer left 10 kΩ LED for Migatron <sup>*</sup>	400.0958
BIS-06	control module with trigger 4 LED	400.0959
BIS-07B	control module Up/Down 7-segment switch crosswise	400.0961
BIS-10B	control module Up/Down switch crosswise	400.0964
BIS-10D	control module Up/Down switch crosswise for Fronius <sup>*</sup>	400.1085
BIS-13A	control module Up/Down 2x switch lengthwise for EWM <sup>*</sup>	400.0966
BIS-18	control module Up/Down 2x Taster for Cloos <sup>*</sup>	400.1545.1

<sup>\*</sup>Compatible for use with products from the companies mentioned. All rights of the trademark owners reserved.

# HANDLES ■ MODULES

## Handles ABIMIG® A T / W T without modules



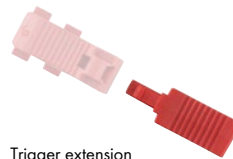
Up/Down module

Type	Description	Part-No.
Handle ABIMIG® A T trigger long	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	180.D077.1
Handle ABIMIG® A T trigger short	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	180.D078.1
Joint protection ABIMIG® A T, short	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405	400.D574.1
Handle ABIMIG® W T trigger long	for ABIMIG® W T 340 / 440 / 540	180.0164.1
Handle ABIMIG® W T trigger short	for ABIMIG® W T 340 / 440 / 540	180.0165.1
Half rings (fixes cable protection on handle), 1 pair	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W T 340 / 440 / 540	400.D561.2
Up/Down module	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W T 340 / 440 / 540	400.1291.1
TPE inlet for Up/Down module	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W T 340 / 440 / 540	400.1634.2

## Handle ABIMIG® A T S



Trigger with extension  
185.0158.1



Trigger extension  
185.0160.1

Type	Description	Part-No.
Handle ABIMIG® A T S	for ABIMIG® A T S LW 155 / 255 / 355	180.0208.1
Trigger with extension	for ABIMIG® A T S LW 155 / 255 / 355	185.0158.1
Trigger extension	for ABIMIG® A T S LW 155 / 255 / 355	185.0160.1



## Handles ABIMIG® A / W without modules



Trigger long, blind cover



Trigger short, blind cover



Up/Down module

Type	Description	Part-No.
Handle ABIMIG® A trigger long	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	180.0180.1
Handle ABIMIG® A trigger short	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	180.0181.1
Joint protection ABIMIG® A, short	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405	400.D574.1
Handle ABIMIG® W trigger long	for ABIMIG® W 340 / 440 / 540	180.0180.1
Handle ABIMIG® W trigger short	for ABIMIG® W 340 / 440 / 540	180.0181.1
Half rings (fixes cable protection on handle), 1 pair	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W 340 / 440 / 540	400.D561.2
Up/Down module	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W T 340 / 440 / 540	400.1291.1
TPE inlet for Up/Down module	for ABIMIG® A T LW 155 / 255 / 305 / 355 / 405 / ABIMIG® W T 340 / 440 / 540	400.1634.2

## Handle ABIMIG® A / W for modules



Please contact us for the exact configuration of module torches.



**400.1855.1**  
Up/Down lengthwise



**400.1855.1**  
Up/Down crosswise



**400.1855.1**  
Cross switch



**400.1855.1**  
Up/Down lengthwise  
with display



**400.1855.1**  
Up/Down crosswise  
with display



**400.1855.1**  
Cross switch  
with display



**400.1840.1**  
Potentiometer 10 kΩ



**400.1843.1**  
Push button

Type	Description	Part-No.
Handle Type ABIMIG® A / W for modules incl. screws, threaded bushings, long and short button	for ABIMIG® A LW 155 / 255 / 305 / 355 / 405 / and ABIMIG® W 340 / 440 / 540	180.0191.1

## Our product range

### MANUAL

- MIG/MAG welding torches
- TIG welding torches
- Plasma cutting torches
- Plasma welding torches

### EXTRACTION TECHNOLOGY

- Fume extraction systems
- Fume extraction torches
- Fume extraction & power source combination system

### ROBOTIC SYSTEMS

- Robot torches MIG/TIG/Plasma
- Robot switch-off protections
- Torch cleaning stations
- Wire cutting devices
- Robot power source
- System solutions for cobots
- Pipe welding robot
- Wire feeder systems
- Seam tracking sensors
- Gas management systems

### LASER SYSTEMS

- Remote laser scanner
- Tactile laser optics
- Wire feeder systems
- Process monitoring tools
- Weld seam inspection

### ORBITAL WELDING

- Orbital welding systems
- Positioning bands
- Coated contact tips

### HARD AUTOMATION

- Welding tractors
- Welding tractor & power source combination system
- MIG/MAG automatic torches
- Plasma automatic welding and cutting torches

### WELDING ACCESSORIES

- Wear parts MIG/TIG/Plasma
- Intermediate cable
- Sockets and plugs
- Electrode holders
- Gouging torches
- Gouging electrodes
- Utilities and tools
- Cooling units
- Wire feeding units
- Equipment for weld seam treatment
- Anti-spatter agents, sprays and pastes

