

TECHNOLOGY FOR THE WELDER'S WORLD.



MIG/MAG Welding Torches MB EVO

air & liquid cooled

The classic line.



www.binzel-abicor.com

MIG/MAG Welding Torches "MB EVO" air cooled

Rating 150 A up to 230 A

The MB EVO torch series stands for a completely new handling concept that goes down new roads with regard to form and function. The welding torch forms a strong unit together with the welder's hand. The unique ergonomics as interplay between handle, trigger position, trigger design and ball joint construction guarantees a good feeling for welding in all working positions as well as the best results.

- Genuine two-component handle – robust and ergonomical
- Optimum trigger position and tapered handle design – for precise and safe handling
- Special internal geometry with air cooled torches – for "cool" handles and maximum mechanical strength
- Proven "MB" wearing part concept – for a long service life
- Solid, size-optimised central connector



MB EVO 15

Technical data (EN 60 974-7):

Rating: 180 / 150 A CO₂
180 / 150 A Mixed Gases
M21 (DIN EN ISO 14175)

Duty cycle: 35% / 60%

Wire size: 0.6 – 1.0 mm

MB EVO 25

Technical data (EN 60 974-7):

Rating: 230 A CO₂
200 A Mixed Gases M21
(DIN EN ISO 14175)

Duty cycle: 60%

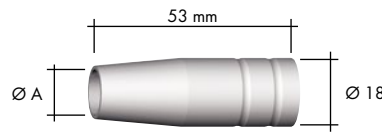
Wire size: 0.8 – 1.2 mm

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

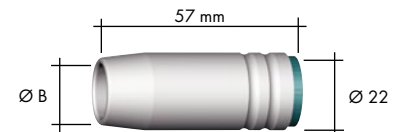
MB EVO 15, MB EVO 25

Wear parts

MB EVO 15

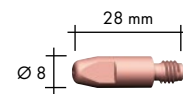
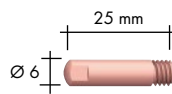


MB EVO 25



Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075 ¹	Ø 15	145.0076 ²
Tapered	Ø 9.5	145.0123	Ø 11.5	145.0124



Contact tip (10 pcs.)

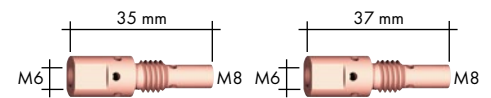
		M6	M6
E-Cu	Ø 0.6	140.0008	-
	Ø 0.8	140.0059 ¹	140.0051
	Ø 1.0	140.0253	140.0242 ²
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.6	140.0855	-
	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382

Nozzle spring (100 pcs.)



	002.0058 ¹	003.0013 ²
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Gas nozzle holder (VE=1) / Contact tip holder (VE=10)



M6	002.0078 ¹	142.0001 ²	142.0267.10
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Liner	for 3 m				for 4 m				for 5 m			
	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2
Liner	Ø 0.6	124.0011	124.0012	124.0015	124.0011	124.0012 ¹	124.0015 ¹	124.0015 ¹	124.0011	124.0012 ¹	124.0015 ¹	124.0015 ¹
	Ø 0.8	124.0011 ¹	124.0012 ¹	124.0015 ¹	124.0011 ¹	124.0012 ¹	124.0015 ¹	124.0015 ¹	124.0011	124.0012 ¹	124.0015 ¹	124.0015 ¹
	Ø 1.0	124.0026 ²	124.0031 ²	124.0035 ²	124.0026 ²	124.0031 ²	124.0035 ²	124.0035 ²	124.0026	124.0031	124.0035	124.0035 ²
	Ø 1.2	124.0026	124.0031	124.0035	124.0026	124.0031	124.0035	124.0035	124.0026	124.0031	124.0035	124.0035
PTFE liner	Ø 0.6	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0011	126.0005	126.0008	126.0011	126.0011
	Ø 0.8	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0011	126.0005	126.0008	126.0011	126.0011
	Ø 1.0	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0028	126.0021	126.0026	126.0028	126.0028
	Ø 1.2	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0028	126.0021	126.0026	126.0028	126.0028
Carbon PTFE liner	Ø 0.6	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0004	127.0002	127.0003	127.0004	127.0004
	Ø 0.8	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0004	127.0002	127.0003	127.0004	127.0004
	Ø 1.0	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0008	127.0005	127.0007	127.0008	127.0008
	Ø 1.2	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0008	127.0005	127.0007	127.0008	127.0008

¹ Included in the standard equipment for complete torches MB EVO 15.

² Included in the standard equipment for complete torches MB EVO 25.

MIG/MAG Welding Torches "MB EVO" air cooled

Rating 220 A up to 320 A

The MB EVO torch series stands for a completely new handling concept that goes down new roads with regard to form and function. The welding torch forms a strong unit together with the welder's hand. The unique ergonomics as interplay between handle, trigger position, trigger design and ball joint construction guarantees a good feeling for welding in all working positions as well as the best results.

- Genuine two-component handle – robust and ergonomical
- Optimum trigger position and tapered handle design – for precise and safe handling
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- Proven "MB" wearing part concept – for a long service life
- Solid, size-optimised central connector



MB EVO 24

Technical data (EN 60 974-7):

Rating: 250 A CO₂
220 A Mixed Gases M21
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

MB EVO 26

Technical data (EN 60 974-7):

Rating: 270 A CO₂
240 A Mixed Gases M21
(DIN EN ISO 14175)

Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

MB EVO 36

Technical data (EN 60 974-7):

Rating: 320 A CO₂
290 A Mixed Gases M21
(DIN EN ISO 14175)

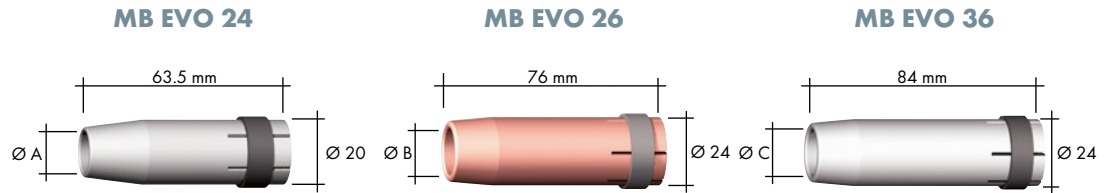
Duty cycle: 60%

Wire size: 0.8 - 1.2 mm

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

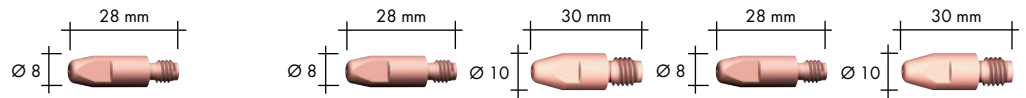
MB EVO 24, MB EVO 26, MB EVO 36

Wear parts



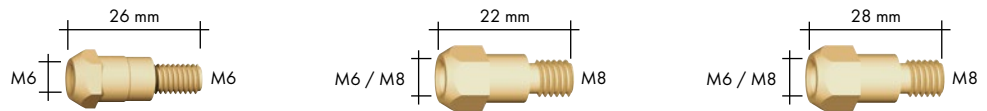
Gas nozzle (10 pcs.)

	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 ¹	Ø 16	145.0085 ²	Ø 16	145.0078 ³
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126



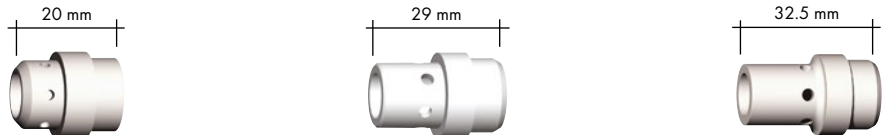
Contact tip (10 pcs.)

	M6		M6		M8		M6		M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114	140.0051	140.0114	
	Ø 1.0	140.0242 ¹	140.0242 ²	140.0313	140.0242	140.0313	140.0242	140.0313	
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442 ³	140.0379	140.0442 ³	
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003	141.0001	141.0003	
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008	141.0006	141.0008	
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015	141.0010	141.0015	
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117	140.0054	140.0117	
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316	140.0245	140.0316	
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445	140.0382	140.0445	



Contact tip holder (10 pcs.)

M6	142.0003 ¹	142.0007 ²	142.0005
M8	-	142.0082	142.0020 ³



Gas diffuser (10 pcs.)

Standard	012.0183 ¹	018.0116 ²	014.0261 ³
Long life	-	-	014.0026
Ceramic	-	018.0141	014.0023

Liner	for 3 m				for 4 m				for 5 m				
	Ø 0.8	Ø 1.0	Ø 1.2		Ø 0.8	Ø 1.0	Ø 1.2		Ø 0.8	Ø 1.0	Ø 1.2		
Liner	Ø 0.8	124.0011	124.0012	124.0015	124.0011	124.0012	124.0015	124.0011	124.0012	124.0015	124.0011	124.0012	124.0015
	Ø 1.0	124.0026 ^{1, 2}	124.0031 ^{1, 2}	124.0035 ^{1, 2}	124.0026 ^{1, 2}	124.0031 ^{1, 2}	124.0035 ^{1, 2}	124.0026 ^{1, 2}	124.0031 ^{1, 2}	124.0035 ^{1, 2}	124.0026 ^{1, 2}	124.0031 ^{1, 2}	124.0035 ^{1, 2}
	Ø 1.2	124.0026 ³	124.0031 ³	124.0035 ³	124.0026 ³	124.0031 ³	124.0035 ³	124.0026 ³	124.0031 ³	124.0035 ³	124.0026 ³	124.0031 ³	124.0035 ³
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008

¹ Included in the standard equipment for complete torches MB EVO 24.

² Included in the standard equipment for complete torches MB EVO 26.

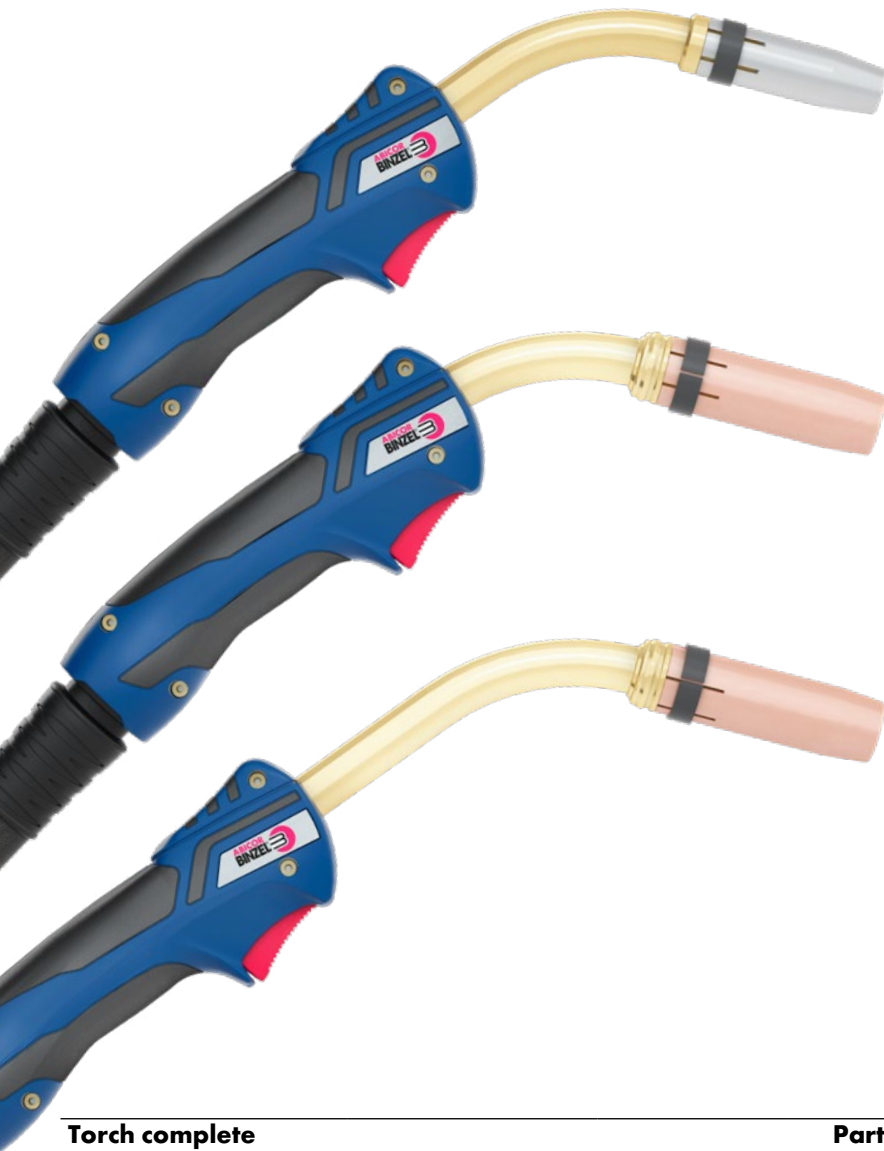
³ Included in the standard equipment for complete torches MB EVO 36.

MIG/MAG Welding Torches "MB EVO" liquid cooled

Rating 270 A up to 550 A

The MB EVO torch series stands for a completely new handling concept that goes down new roads with regard to form and function. The welding torch forms a strong unit together with the welder's hand. The unique ergonomics as interplay between handle, trigger position, trigger design and ball joint construction guarantees a good feeling for welding in all working positions as well as the best results.

- Genuine two-component handle – robust and ergonomical
- Proven "MB" wearing part concept and media hoses
- Optimum trigger position, tapered handle design and sophisticated ball joint construction – for best handling in all welding positions
- Easy to repair construction down to the last detail – best space conditions for the simplest maintenance measures
- Solid, size-optimised central connector with protected hose guide



MB EVO 240 D

Technical data (EN 60 974-7):

Rating: 300 A CO₂
270 A Mixed Gases M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

MB EVO 401 D / MB EVO 401

Technical data (EN 60 974-7):

Rating: 400 A / 450 A CO₂
350 A / 400 A Mixed Gases M21 (DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8 – 1.2 mm

MB EVO 501 D / MB EVO 501

Technical data (EN 60 974-7):

Rating: 500 A / 550 A CO₂
450 A / 500 A Mixed Gases M21 (DIN EN ISO 14175)

Duty cycle: 100%

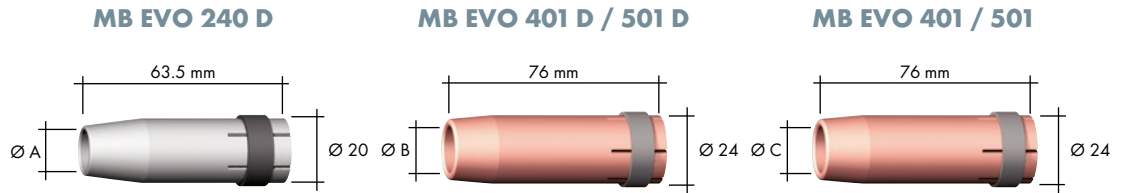
Wire size: 1.0 – 1.6 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB EVO 240 D	Type "MB EVO"	023.0322.1	023.0323.1	023.0324.1	50°	023.0316.1
MB EVO 401 D	Type "MB EVO"	033.0387.1	033.0388.1	033.0389.1	50°	033.0378.1
MB EVO 401	Type "MB EVO"	030.0247.1	030.0248.1	030.0249.1	50°	030.0242.1
MB EVO 501 D	Type "MB EVO"	034.0865.1	034.0866.1	034.0867.1	50°	034.0856.1
MB EVO 501	Type "MB EVO"	032.0272.1	032.0273.1	032.0274.1	50°	032.0267.1

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

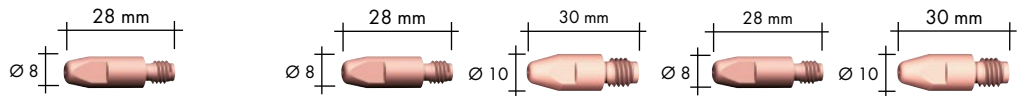
MB EVO 240, MB EVO 401 / 501

Wear parts



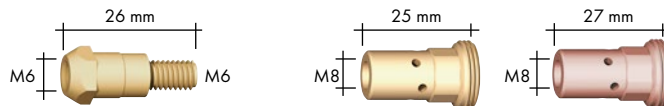
Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 20	145.0051
Conical	Ø 12.5	145.0080 ¹	Ø 16	145.0085 ²	Ø 16	145.0085 ³
Tapered	Ø 10	145.0128	Ø 14	145.0132	Ø 14	145.0132



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 ¹	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442 ²	140.0379	140.0442 ³
	Ø 1.6	-	140.0555	140.0587	140.0555	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
	Ø 1.6	-	141.0020	141.0022	141.0020	141.0022
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
	Ø 1.6	-	140.0558	140.0590	140.0558	140.0590



Contact tip holder (10 pcs.)

M6	142.0003 ¹	142.0008	-	-
M8	-	142.0022 ²	142.0201.10	-



Gas diffuser (10 pcs.)

Standard	012.0183 ¹	030.0145 ²	030.0145 ³
Long life	-	030.0037	030.0037
Ceramic	-	030.0190	030.0190

Liner		for 3 m			for 4 m			for 5 m					
		Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6
Liner	Ø 0.8	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139	124.0137	124.0138	124.0139
	Ø 1.0	124.0111 ¹	124.0112 ¹	124.0113 ¹	124.0111 ¹	124.0112 ¹	124.0113 ¹	124.0111 ¹	124.0112 ¹	124.0113 ¹	124.0111 ¹	124.0112 ¹	124.0113 ¹
	Ø 1.2	124.0111 ^{2,3}	124.0112 ^{2,3}	124.0113 ^{2,3}	124.0111 ^{2,3}	124.0112 ^{2,3}	124.0113 ^{2,3}	124.0111 ^{2,3}	124.0112 ^{2,3}	124.0113 ^{2,3}	124.0111 ^{2,3}	124.0112 ^{2,3}	124.0113 ^{2,3}
	Ø 1.6	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116	124.0114	124.0115	124.0116
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045	126.0039	126.0042	126.0045
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013	127.0010	127.0012	127.0013

¹ Included in the standard equipment for complete torches MB EVO 240 D.

² Included in the standard equipment for complete torches MB EVO 401 D / 501 D.

³ Included in the standard equipment for complete torches MB EVO 401 / 501.



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