

MIG/MAG welding torches "ABIMIG® GRIP W"

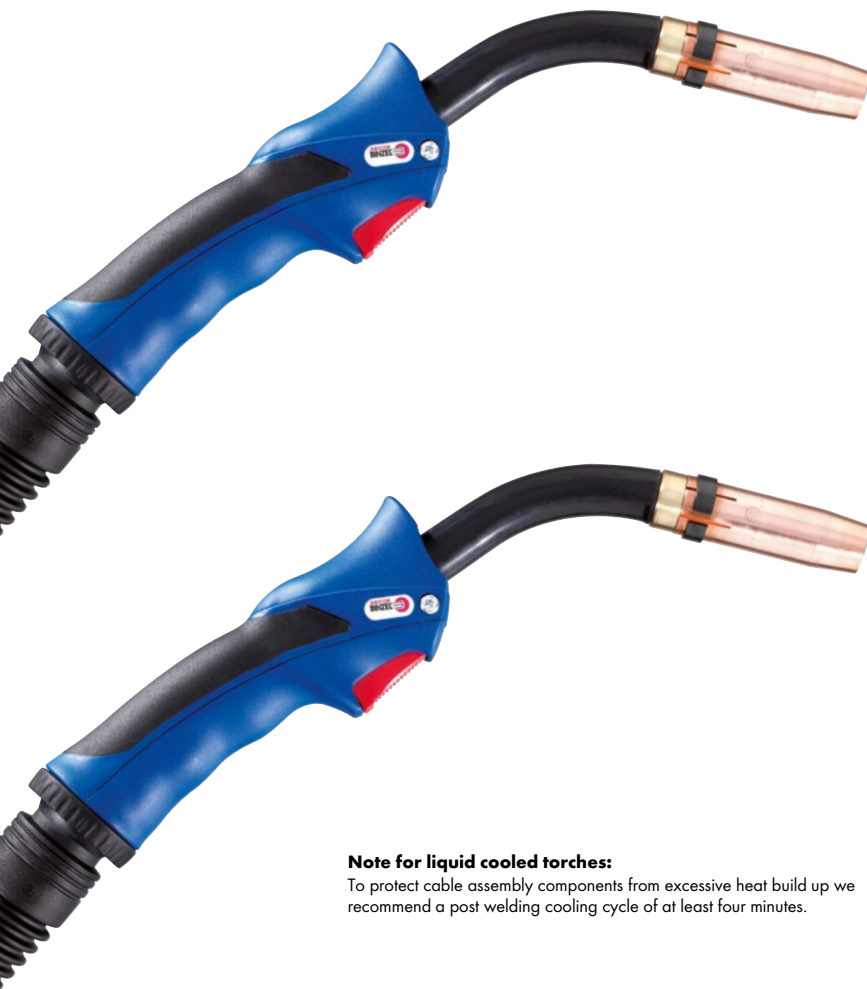
Liquid cooled • rating 400 A up to 575 A

MIG/MAG welding torches ABIMIG® GRIP W liquid cooled with the innovative two-component handle system "GRIP" combine ergonomics and feel with all common module variations (for switch and control functions) as well as "top trigger" solutions. "GRIP" insert and ball joint in the handle guarantees secure grip and optimal handling.

The liquid cooled ABIMIG® GRIP W torches particularly excel in pulse arc welding due to an optimized dual-circuit cooling system that ensures "extra-cool" wear parts and therefore extended service life.

All torches are thoroughly designed to provide comfortable and precise operation.

- Dual-circuit cooling system with increased cooling liquid flow and novel heat dissipation for optimum power and heat conduction – guarantees less spatter adhesion and therefore extremely extended service life of wear and spare parts
- Additional torch neck protection through a UV, ozone and temperature resistant protective cover – for longer torch service life
- The newly developed torch neck and handle system ABIMIG® GRIP with ball joint guarantees optimum balance – even for welding tasks when access is difficult
- Except the tip holder, all spare and wear parts of the ABIMIG® GRIP W 555 series are compatible with the torch series MB 401/501 – reduced stocking requirements
- Mechanically resilient and robust tip holder (optionally soldered or changeable) – long service life



ABIMIG® GRIP W 555 D / ABIMIG® GRIP W 555 D TS

Technical data (EN 60 974-7):

Rating:	550 A CO ₂ 500 A mixed gas 400 A Pulse
Duty cycle:	M21 (DIN EN ISO 14175) 100%
Wire size:	0.8 – 1.6 mm

ABIMIG® GRIP W 555

Technical data (EN 60 974-7):

Rating:	575 A CO ₂ 525 A mixed gas 400 A Pulse
Duty cycle:	M21 (DIN EN ISO 14175) 100%
Wire size:	0.8 – 1.6 mm

Note for liquid cooled torches:

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

Torch complete Type	Handle	3 m	Part-No.			Swan neck	
			4 m	5 m	Type	Part-No.	
ABIMIG® GRIP W 555 D	Type "ABIMIG® GRIP"	766.0526.1	766.0527.1	766.0528.1	50°	766.0532.1	
ABIMIG® GRIP W 555 D TS	Type "ABIMIG® GRIP"	766.1457.1	766.1458.1	766.1459.1	50°	766.0900.1	
ABIMIG® GRIP W 555	Type "ABIMIG® GRIP"	766.0529.1	766.0530.1	766.0531.1	50°	766.0533.1	

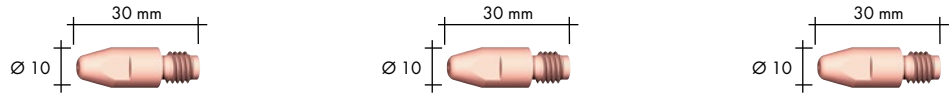
ABIMIG® GRIP W 555 D, ABIMIG® GRIP W 555, ABIMIG® GRIP W 555 D TS

Wear parts



Gas nozzle

	Ø A		Ø A		Ø A	
Cylindrical	Ø 20	145.0051	Ø 20	145.0709.5	Ø 20	145.0051
Conical	Ø 16	145.0085 ¹	Ø 16	145.0708.5 ²	Ø 16	145.0085 ³
Tapered	Ø 14	145.0132	Ø 13	145.0734.5	Ø 14	145.0132



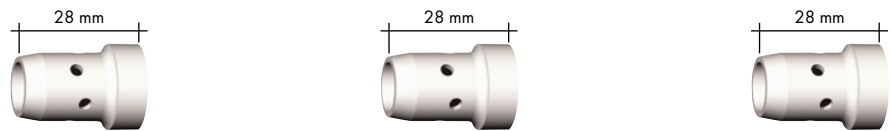
Contact tip (10 pcs.)

		M8	M8	M8
E-Cu	Ø 0.8	140.0114	140.0114	140.0114
	Ø 1.0	140.0313	140.0313	140.0313
	Ø 1.2	140.0442	140.0442	140.0442
	Ø 1.6	140.0587	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0003	141.0003	141.0003
	Ø 1.0	141.0008	141.0008	141.0008
	Ø 1.2	141.0015	141.0015	141.0015
	Ø 1.6	141.0022	141.0022	141.0022
CuCrZr	Ø 0.8	140.0117	140.0117	140.0117
	Ø 1.0	140.0316	140.0316	140.0316
	Ø 1.2	140.0445 ¹	140.0445 ²	140.0445 ³
	Ø 1.6	140.0590	140.0590	140.0590



Contact tip holder (10 pcs.)

M8	142.0201.10 ¹	142.0201.10 ²	-
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Gas diffuser (10 pcs.)

Standard	030.0145 ¹	030.0145 ²	030.0145 ³
Long life	030.0037	030.0037	030.0037
Ceramic	030.0190	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	124.0112	124.0113	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113
	Ø 1.2	124.0111 ^{1, 2, 3}	124.0112 ^{1, 2, 3}	124.0113 ^{1, 2, 3}	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113	124.0111	124.0112	124.0113
	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 ABIMIG® GRIP W 555 D.

² Included in the standard equipment for complete torches ABIMIG® GRIP W 555 D TS.

³ Included in the standard equipment for complete torches ABIMIG® GRIP W 555.