

MIG/MAG Welding Torch MB 401 D / MB 501 D liquid cooled



BINZEL. The right welding torch for every job!

BINZEL liquid cooled welding torches incorporate the high quality and technology needed for trouble-free performance whatever the welding job. All BINZEL torches are constructed to the highest standards and offer the greatest working comfort.

BINZEL torch features:

- Optimum cooling of the torch, extending torch life
- An ergonomic handle, ensuring comfort in every position
- Light and flexible cable assemblies, designed to reduce fatigue

Technical data (EN 50 078):

MB 401 D / **MB 501 D**
 Rating: 400 A / **500 A** CO₂
 350 A / **450 A** Mixed Gases M 21 (DIN EN 439)
 100% Duty Cycle
 Wire sizes: 0.8 - 1.2 / **1,0 - 1,6 (2,4)**

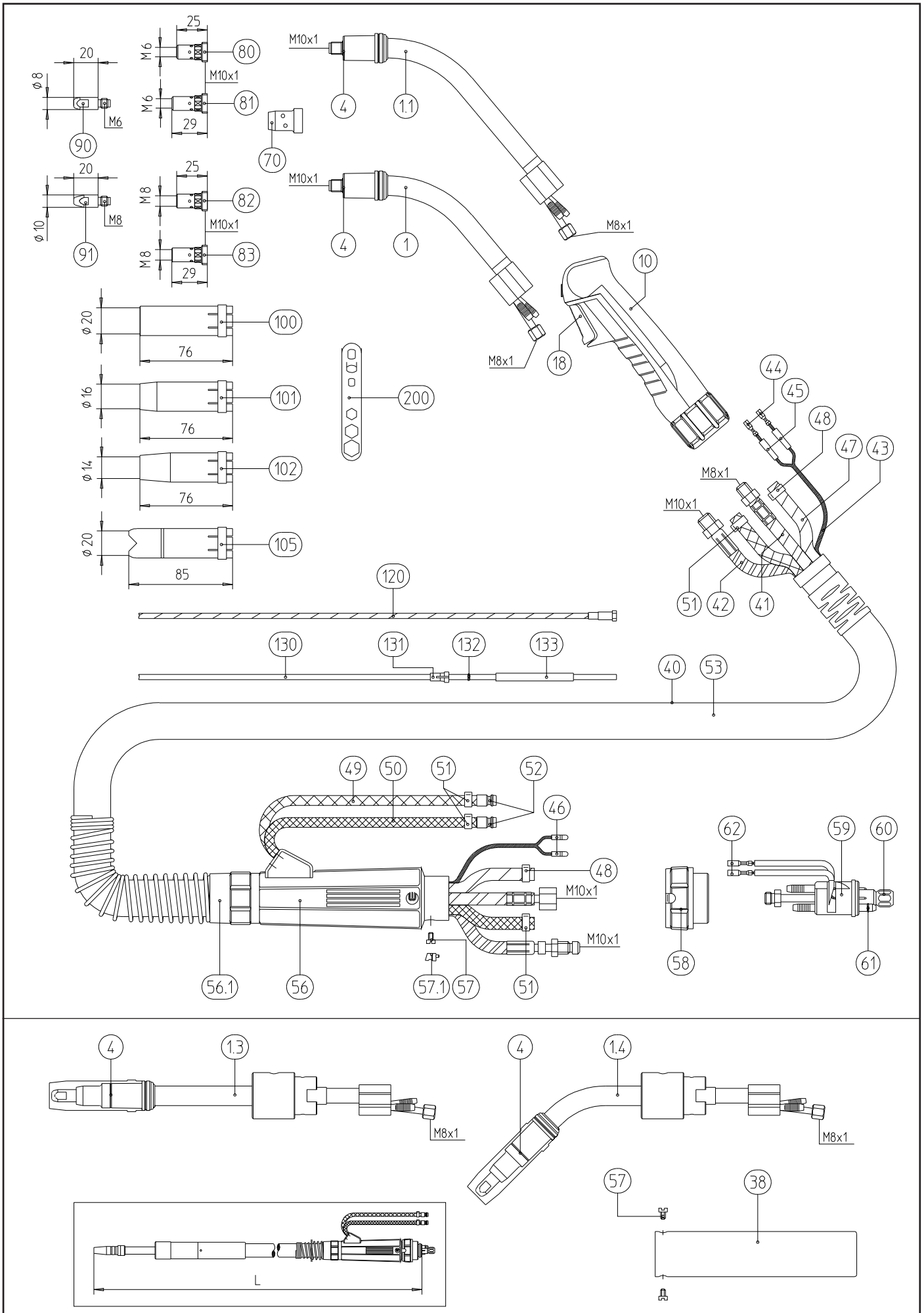
- Robust construction for durability and extended torch life
- A connecting system that allows easy torch changes

Rated using power source with VDE standard volt/amp characteristic (U=14+0,05xl). When pulse welding, reduce rating by 35%. Recommended cooling capacity of water recirculator ca. 800 W.

Type	Handle/Version	3.00 m long	4.00 m long	5.00 m long
		Part no.	Part no.	Part no.
MB 401 D	Ergonomic	033.0107	033.0108	033.0109
MB 501 D	Ergonomic	034.0160	034.0161	034.0162
AUT 401/501 D	Handle tube, straight	934.0032	934.0038	934.0093
AUT 401/501 D	Handle tube, bent	934.0033	934.0039	934.0094

For welding and cutting come to the point.





Build group	Pos.	Description	Specifications	Part no.
Torch	1	Swan neck MB 401 D, 50° bent		033.0001
	1.1	Swan neck MB 501 D, 50° bent		034.0001
	1.3	Swan neck AUT 401 D/501 D, straight		934.0001
	1.4	Swan neck AUT 401 D/501 D, 45° bent		934.0002
	4	Insulator	20 pcs.	030.0019
Handle	10	Ergonomic handle, cpl., with trigger		180.0076
		Handle, top		400.0333
		Handle, bottom		400.0335
		Lock ring NW 31		400.0297
		Screw 18x8	20 pcs.	400.0340
		Screw 3.5x9.5	20 pcs.	079.0034
	18	Trigger 2 pol.		185.0031
	38	Handle tube AUT		180.0001
Cable assembly	40	Cable assembly, cpl.	3.00 m	022.0034
		Cable assembly, cpl.	4.00 m	022.0038
		Cable assembly, cpl.	5.00 m	022.0041
	41	Power cable g/w-cooled	for 3.00 m	115.0065
		Power cable g/w-cooled	for 4.00 m	115.0070
		Power cable g/w-cooled	for 5.00 m	115.0074
	42	Wire conduit, cpl., yellow (up to wire Ø 1.6)	for 3.00 m	156.0019
		Wire conduit, cpl., yellow (up to wire Ø 1.6)	for 4.00 m	156.0023
		Wire conduit, cpl., yellow (up to wire Ø 1.6)	for 5.00 m	156.0026
		Wire conduit, cpl., blue (wire Ø 2.0 onwards)	for 3.00 m	155.0008
		Wire conduit, cpl., blue (wire Ø 2.0 onwards)	for 4.00 m	155.0009
		Wire conduit, cpl., blue (wire Ø 2.0 onwards)	for 5.00 m	155.0010
	43	Control cable 2 pol.	per meter	100.0019
	44	Trigger wire connector	20 pcs.	175.0022
	45	Insulating sleeve	20 pcs.	400.0119
	46	Trigger wire connector, male	20 pcs.	175.0004
	47	Hose 30 black Ø 4.9x1.5	per meter	109.0040
	48	Hose clamp Ø 8.7 mm	20 pcs.	171.0002
	49	Hose 22 black Ø 5.5x1.5	per meter	109.0057
	50	Hose 22 black Ø 5.5x1.5 cpl. with quick connector		103.0108
	51	Hose clamp Ø 9.5 mm with ring	20 pcs.	173.0001
	52	Quick connector	20 pcs.	501.0114
	53	Outer cover with cable support Ø 25x1.5	for 3.00 m	107.0079
		Outer cover with cable support Ø 25x1.5	for 4.00 m	107.0044
		Outer cover with cable support Ø 25x1.5	for 5.00 m	107.0080
	56	Cable support machine side		505.0342
	56.1	Connecting set machine side NW 29		501.2236
	57	Screw M4x6	20 pcs.	000.0552
	57.1	Covering cap 1	20 pcs.	500.0251
	58	Adaptor nut		500.0213

Build group	Pos.	Description	Specifications	Part no.
Cable assembly	59	Central adaptor block WZ-2		501.0015
		Central adaptor block WZ-2 without control leads		501.0034
	60	Nut M10x1	10 pcs.	501.0082
	61	O-ring 4x1	20 pcs.	165.0002
	62	Trigger wire connector, female	20 pcs.	175.0003
Wear parts	70	Gas diffusor black	• 10 pcs.	030.0029
		Gas diffusor long life	10 pcs.	030.0037
		Gas diffusor white	10 pcs.	030.0145
	80	Contact tip holder M6, 25.0 mm (short)	10 pcs.	142.0008
	81	Contact tip holder M6, 29.0 mm (long)	10 pcs.	142.0013
	82	Contact tip holder M8, 25.0 mm (short)	• 10 pcs.	142.0022
	83	Contact tip holder M8, 29.0 mm (long)	10 pcs.	142.0027
	90	Contact tip M6 E-Cu, Ø 0.8	10 pcs.	140.0051
		Contact tip M6 E-Cu, Ø 1.0	10 pcs.	140.0242
		Contact tip M6 E-Cu, Ø 1.2	10 pcs.	140.0379
		Contact tip M6 E-Cu, Ø 1.6	10 pcs.	140.0555
		Contact tip M6 CuCrZr, Ø 0.8	10 pcs.	140.0054
		Contact tip M6 CuCrZr, Ø 1.0	10 pcs.	140.0245
		Contact tip M6 CuCrZr, Ø 1.2	10 pcs.	140.0382
		Contact tip M6 CuCrZr, Ø 1.6	10 pcs.	140.0558
		Contact tip M6 E-Cu, Ø 0.8 for alu wire	10 pcs.	141.0001
		Contact tip M6 E-Cu, Ø 1.0 for alu wire	10 pcs.	141.0006
		Contact tip M6 E-Cu, Ø 1.2 for alu wire	10 pcs.	141.0010
		Contact tip M6 E-Cu, Ø 1.6 for alu wire	10 pcs.	141.0020
	91	Contact tip M8 E-Cu, Ø 0.8	10 pcs.	140.0114
		Contact tip M8 E-Cu, Ø 1.0	10 pcs.	140.0313
		Contact tip M8 E-Cu, Ø 1.2	• 10 pcs.	140.0442
		Contact tip M8 E-Cu, Ø 1.6	10 pcs.	140.0587
		Contact tip M8 E-Cu, Ø 2.0	10 pcs.	140.0653
		Contact tip M8 E-Cu, Ø 2.4	10 pcs.	140.0677
		Contact tip M8 CuCrZr, Ø 0.8	10 pcs.	140.0117
		Contact tip M8 CuCrZr, Ø 1.0	10 pcs.	140.0316
		Contact tip M8 CuCrZr, Ø 1.2	10 pcs.	140.0445
		Contact tip M8 CuCrZr, Ø 1.6	10 pcs.	140.0590
		Contact tip M8 CuCrZr, Ø 2.0	10 pcs.	140.0656
		Contact tip M8 CuCrZr, Ø 2.4	10 pcs.	140.0679
		Contact tip M8 E-Cu, Ø 0.8 for alu wire	10 pcs.	141.0003
		Contact tip M8 E-Cu, Ø 1.0 for alu wire	10 pcs.	141.0008
		Contact tip M8 E-Cu, Ø 1.2 for alu wire	10 pcs.	141.0015
		Contact tip M8 E-Cu, Ø 1.6 for alu wire	10 pcs.	141.0022
	100	Gas nozzle, cylindrical ND Ø 20.0	10 pcs.	145.0051
	101	Gas nozzle, conical ND Ø 16.0	• 10 pcs.	145.0085

Build group	Pos.	Description	Specifications	Part no.
Wear parts	102	Gas nozzle, tapered ND Ø 14.0	10 pcs.	145.0132
	105	Spot weld, gas nozzle ND Ø 20.0	10 pcs.	145.0179
	120	Liner-steel 1.5/4.0 with nipple for wire ¹⁾ Ø 0.8	for 3.00 m for 4.00 m for 5.00 m	122.0005 122.0007 122.0009
		Liner-steel 2.0/4.5 with nipple for wire ¹⁾ Ø 1.0-1.2	• for 3.00 m • for 4.00 m • for 5.00 m	122.0031 122.0036 122.0039
		Liner-steel 2.5/4.5 with nipple for wire ¹⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m	122.0056 122.0060 122.0063
		Liner-steel 3.5/4.9 with nipple for wire ¹⁾ Ø 2.0-2.4	for 3.00 m for 4.00 m for 5.00 m	122.0073 122.0075 122.0076
	130	Teflon core liner 1.5/4.0 blue with collet and o-ring for wire ²⁾ Ø 0.6-1.0	for 3.00 m for 4.00 m for 5.00 m	126.0005 126.0008 126.0011
		Teflon core liner 2.0/4.0 red with collet and o-ring for wire ²⁾ Ø 1.0-1.2	for 3.00 m for 4.00 m for 5.00 m	126.0021 126.0026 126.0028
		Teflon core liner 2.7/4.7 yellow with collet and o-ring for wire ²⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m	126.0039 126.0042 126.0045
		Carbon Teflon core liner 1.5/4.0 with collet and o-ring for wire ²⁾ Ø 0.8-1.0	for 3.00 m for 4.00 m for 5.00 m	127.0002 127.0003 127.0004
		Carbon Teflon core liner 2.0/4.0 with collet and o-ring for wire ²⁾ Ø 1.0-1.2	for 3.00 m for 4.00 m for 5.00 m	127.0005 127.0007 127.0008
		Carbon Teflon core liner 2.7/4.7 with collet and o-ring for wire ²⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m	127.0010 127.0012 127.0013
		Polyamid liner ³⁾ 2.0/4.0 with collet and o-ring for wire ²⁾ Ø 1,0-1,2	for 3.00 m for 4.00 m for 5.00 m	128.0012 128.0015 128.0016
		Polyamid liner ³⁾ 2.3/4.7 with collet and o-ring for wire ²⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m	128.0020 128.0021 128.0030
		Polyamid liner ³⁾ 2.9/4.7 with collet and o-ring for wire ²⁾ Ø 2.4	for 3.00 m for 4.00 m for 5.00 m	128.0024 128.0025 128.0027
	131	Collet for core liner at Ø 4.0	20 pcs.	131.0001
		Collet for core liner at Ø 4.7	20 pcs.	131.0002
	132	O-ring 3.5x1.5	20 pcs.	165.0008
	133	Guide tube for core liners up to Ø 4.0	to 200 mm	129.xxxx
	200	Spanner	10 pcs.	191.0001

Build group	Pos.	Description	Specifications	Part no.
Wear parts		<ol style="list-style-type: none"> ¹⁾ Applicable for GMA welding of unalloyed and low-alloyed steels (DIN 8555 and 8559). ²⁾ Applicable for GMA welding of aluminium (DIN 1732), copper and copper alloys (DIN 1733) and nickel/nickel alloys (DIN 1736); Also for use with GMA welding of stainless and heat resistant steels (DIN 8556). ³⁾ Applicable up to max. 150° C. <ul style="list-style-type: none"> • Standard - Equipment 		

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