

MIG/MAG Welding Torch MB 401/MB 501 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 / MB 501

Rating: 450 A / **550 A** CO₂
400 A / **500 A** Mixed Gases M 21 (DIN EN 439)
100% Duty Cycle

Wire sizes: 0.8 - 1.2 / **1,0 - 1,6 (2,4)**

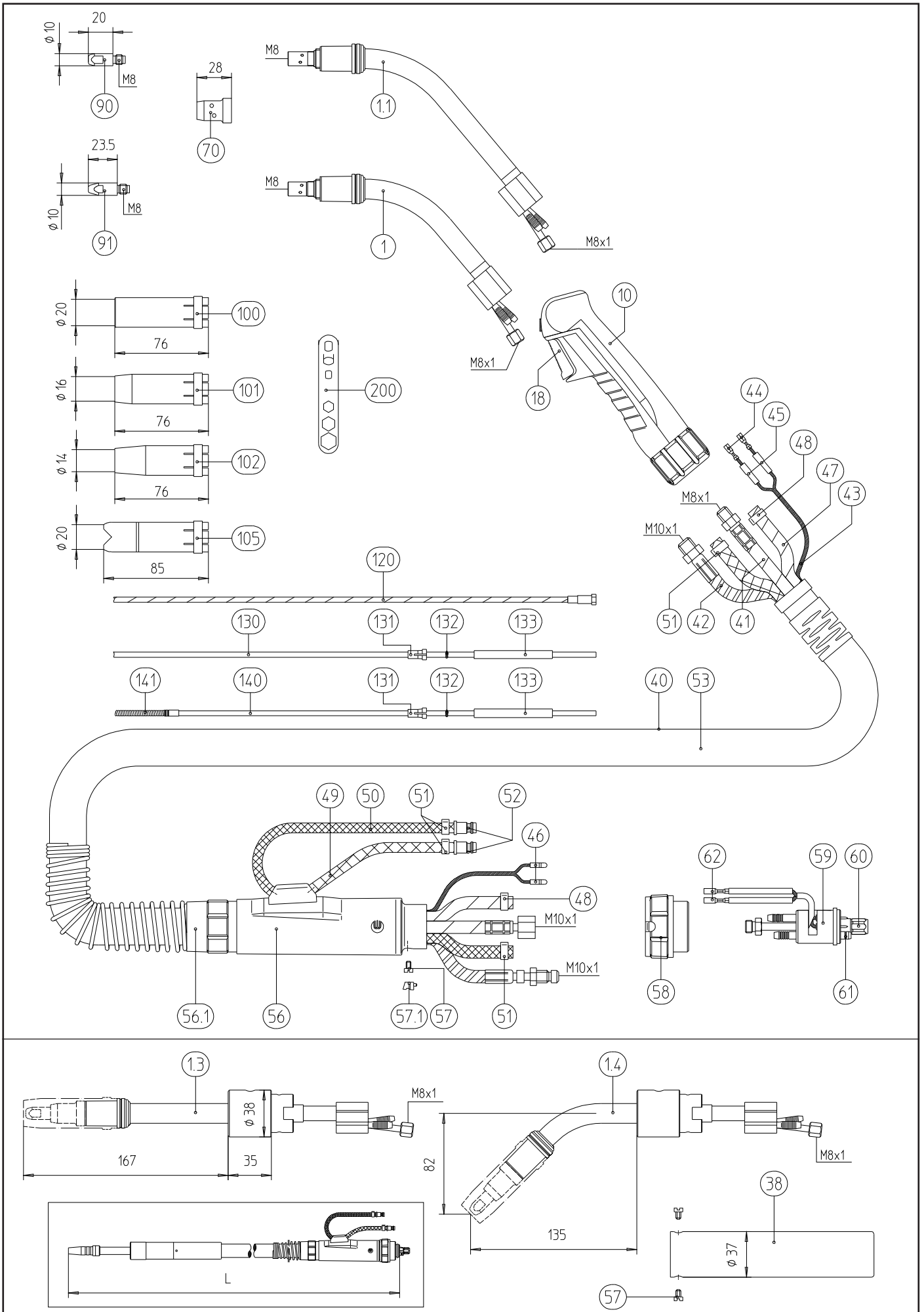
- Robust construction for durability and extended torch life
- A connecting system that allows easy torch changes

Rated using power source with VDE standard volt/amp characteristic (U=14+0,05xI).
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	Ergonomic	030.0125	030.0126	030.0127
MB 501	Ergonomic	032.0145	032.0146	032.0147
AUT 401/501	Handle tube, straight	932.0045	Special lengths	
AUT 401/501	Handle tube, bent	932.0046	upon request!	

Welding & cutting brought to the point.





Build group	Pos.	Description	Specifications	Part no.
Torch	1	Swan neck MB 401, 50° bent		030.0001
	1.1	Swan neck MB 501, 50° bent		032.0002
	1.3	Swan neck AUT 401/501, straight		932.0001
	1.4	Swan neck AUT 401/501, 45° bent		932.0002
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 without central adaptor block	3.00 m	022.0034
		Cable assembly without central adaptor block	4.00 m	022.0038
		Cable assembly without central adaptor block	5.00 m	022.0041
	41	Power cable	for 3.00 m	115.0065
		Power cable	for 4.00 m	115.0070
		Power cable	for 5.00 m	115.0074
	42	Wire conduit, yellow (up to wire Ø 1.2)	for 3.00 m	156.0019
		Wire conduit, yellow (up to wire Ø 1.2)	for 4.00 m	156.0023
		Wire conduit, yellow (up to wire Ø 1.2)	for 5.00 m	156.0026
		Wire conduit, blue (wire Ø 1.6 onwards) ⁴⁾	for 3.00 m	155.0008
		Wire conduit, blue (wire Ø 1.6 onwards) ⁴⁾	for 4.00 m	155.0009
		Wire conduit, blue (wire Ø 1.6 onwards) ⁴⁾	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 47 blue Ø 5.5x1.5	per meter	109.0057
	50	Hose 46 red Ø 5.5x1.5 cpl. with quick connector ND5	600 mm	103.0108
	w/o. fig.	Hose 46 red Ø 5.5x1.5	per meter	109.0056
	51	Hose clamp Ø 9.0 mm with ring (mark 9.5)	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 2 consisting of:		500.0342
		Cable support		501.2379
		Hose guide with hole		500.0334
	56.1	Connecting set machine side ND 29 consisting of:		501.2236
		Cable support spring		500.0233
		Biclip inside		400.0328

Build group	Pos.	Description	Specifications	Part no.	
Cable assembly	57	Screw M4x6	20 pcs.	000.0552	
	57.1	Covering cap 1	20 pcs.	500.0251	
	58	Adaptor nut		500.0213	
	59	Central adaptor block WZ-2 with control leads		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 diffuser, white	• 10 pcs.	030.0145
			Gas diffuser, long life	10 pcs.	030.0037
w/o.fig.		Nozzle insulator	10 pcs.	146.0013	
90		Contact tip M8 E-Cu, Ø 0.8 ⁵⁾	10 pcs.	140.0114	
		Contact tip M8 E-Cu, Ø 1.0 ⁵⁾	10 pcs.	140.0313	
		Contact tip M8 E-Cu, Ø 1.2 ⁵⁾	• 10 pcs.	140.0442	
		Contact tip M8 E-Cu, Ø 1.6 ⁵⁾	10 pcs.	140.0587	
		Contact tip M8 E-Cu, Ø 2.0	10 pcs.	140.0653	
		Contact tip M8 E-Cu, Ø 2.4 ⁵⁾	10 pcs.	140.0677	
		Contact tip M8 CuCrZr, Ø 0.8 ⁵⁾	10 pcs.	140.0117	
		Contact tip M8 CuCrZr, Ø 1.0 ⁵⁾	10 pcs.	140.0316	
		Contact tip M8 CuCrZr, Ø 1.2 ⁵⁾	10 pcs.	140.0445	
		Contact tip M8 CuCrZr, Ø 1.6 ⁵⁾	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 ⁵⁾	10 pcs.	141.0015	
		Contact tip M8 E-Cu, Ø 1.6 for alu wire	10 pcs.	141.0022	
91		Contact tip M8 E-Cu; Ø 1.0	10 pcs.	140.0336	
		Contact tip M8 E-Cu; Ø 1.2	10 pcs.	140.0467	
		Contact tip M8 E-Cu; Ø 1.6	10 pcs.	140.0607	
		Contact tip M8 CuCrZr; Ø 1.0 ⁵⁾	10 pcs.	140.0337	
		Contact tip M8 CuCrZr; Ø 1.2	10 pcs.	140.0468	
		Contact tip M8 CuCrZr; Ø 1.6	10 pcs.	140.0608	
		Contact tip M8 CuCrZr; Ø 2.4	10 pcs.	140.0693	
100		Gas nozzle, cylindrical ND Ø 20.0	10 pcs.	145.0051	
101		Gas nozzle, conical ND Ø 16.0	• 10 pcs.	145.0085	
102		Gas nozzle, conical ND Ø 14.0	10 pcs.	145.0132	
105		Spot weld, gas nozzle ND Ø 20.0	10 pcs.	145.0179	
w/o.fig.	Gas nozzle, heavy duty; ND Ø16.0 (only use with Nozzle insulator)	10 pcs.	145.0086		

Build group	Pos.	Description	Specifications	Part no.
Wear parts	120	Guide spiral liner blank 1.5/4.0 for wire ¹⁾ Ø 0.8	for 3.00 m	122.0005
			for 4.00 m	122.0007
			for 5.00 m	122.0009
		Guide spiral liner blank 2.0/4.5 for wire ¹⁾ Ø 1.0-1.2	• for 3.00 m	122.0031
			• for 4.00 m	122.0036
			• for 5.00 m	122.0039
		Guide spiral liner blank 2.5/4.5 for wire ¹⁾ Ø 1.6	for 3.00 m	122.0056
			for 4.00 m	122.0060
			for 5.00 m	122.0063
		Guide spiral liner blank 3.5/4.9 for wire ¹⁾ Ø 2.0-2.4	for 3.00 m	122.0073
			for 4.00 m	122.0075
			for 5.00 m	122.0076
	130	Teflon core liner 1.5/4.0 blue for wire ²⁾ Ø 0.8-1.0	for 3.00 m	126.0005
			for 4.00 m	126.0008
			for 5.00 m	126.0011
		Teflon core liner 2.0/4.0 red for wire ²⁾ Ø 1.0-1.2	for 3.00 m	126.0021
			for 4.00 m	126.0026
			for 5.00 m	126.0028
		Teflon core liner 2.7/4.7 yellow for wire ²⁾ Ø 1.6	for 3.00 m	126.0039
			for 4.00 m	126.0042
			for 5.00 m	126.0045
		Carbon Teflon core liner 1.5/4.0 for wire ²⁾ Ø 0.8-1.0	for 3.00 m	127.0002
			for 4.00 m	127.0003
			for 5.00 m	127.0004
		Carbon Teflon core liner 2.0/4.0 for wire ²⁾ Ø 1.0-1.2	for 3.00 m	127.0005
			for 4.00 m	127.0007
			for 5.00 m	127.0008
		Carbon Teflon core liner 2.7/4.7 for wire ²⁾ Ø 1.6	for 3.00 m	127.0010
			for 4.00 m	127.0012
			for 5.00 m	127.0013
		Polyamid core liner ³⁾ 2.0/4.0 for wire ²⁾ Ø 1,0-1,2	for 3.00 m	128.0012
			for 4.00 m	128.0015
			for 5.00 m	128.0016
		Polyamid core liner ³⁾ 2.3/4.7 for wire ²⁾ Ø 1.6	for 3.00 m	128.0020
			for 4.00 m	128.0021
			for 5.00 m	128.0030
	Polyamid core liner ³⁾ 2.9/4.7 for wire ²⁾ Ø 2.4	for 3.00 m	128.0024	
		for 4.00 m	128.0025	
		for 5.00 m	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.
	132	O-ring 3.5x1.5	20 pcs.	165.0008
133	Guide tube for core liners up to Ø 4.0	200 mm	129.0461	
140	Combined wire guide cpl. polyamide/brass 2.0/4.0 for wire Ø 1.0-1.2	for 3.00 m	128.M002	
		for 4.00 m	128.M003	
		for 5.00 m	128.M004	
141	Brass spiral made up with sleeve	200 mm	001.0305	
200	Spanner	10 pcs.	191.0001	

Build group	Pos.	Description	Specifications	Part no.
Wear parts		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. ⁴⁾ Blue steeled wire conduit is recommended from wire dia. of 1,6 on, for solid and flux-cored wire, price surcharge upon request. ⁵⁾ As an alternative: Packing unit 50 pcs. Specification of order: 140.xxxx.50 or 141.xxxx.50. <ul style="list-style-type: none"> • Standard - Equipment 		

The positions indicating "per meter" are available in commercial lengths.

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