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



CERTIFIED DIN EN ISO 9001 QM-SYSTEM

Technical data (EN 60 974-7):

MB 401 D / MB 501 D

Rating:	400 A / 500 A CO_2
	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)

ABICOR 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:

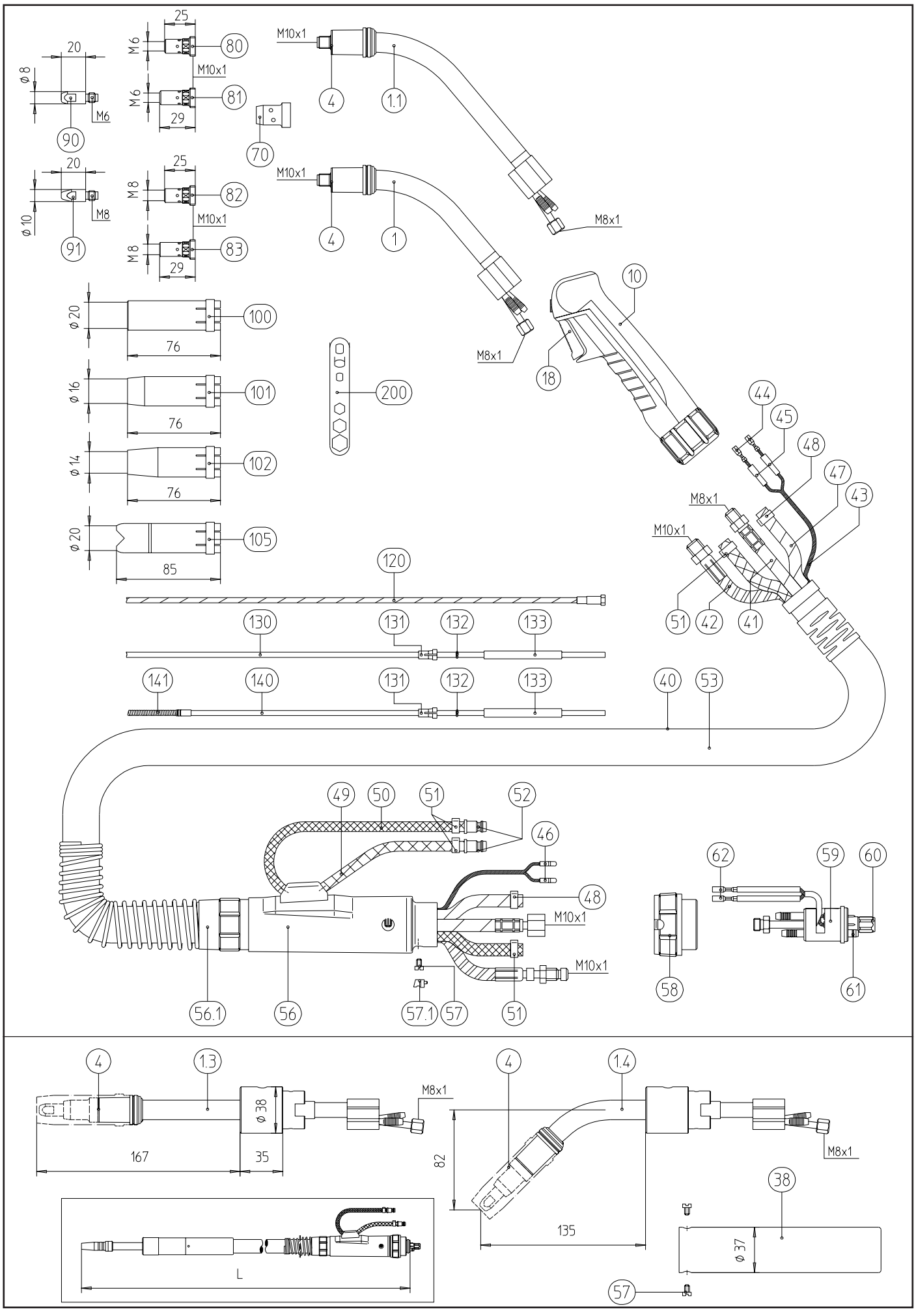
- Optimum cooling of the torch, extending torch life
- An ergonomic handle, ensuring comfort in every position
- Light and flexible cable assemblies, designed to reduce fatigue
- Robust construction for durability and extended torch life
- A connecting system that allows easy torch changes

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 Part no.	4.00 m long Part no.	5.00 m long 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	Special lengths upon request!	
AUT 401/501 D	Handle tube, bent	934.0033		

Welding & cutting brought to the point.

ABICOR BINZEL®



Subject to change without notice. Guarantee for Genuine Binzel Spares only.

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 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, (up to wire dia. 1.2)	for 3.00 m	156.0019
		Wire conduit, (up to wire dia. 1.2)	for 4.00 m	156.0023
		Wire conduit, (up to wire dia. 1.2)	for 5.00 m	156.0026
		Wire conduit, blue (wire dia. 1.6 onwards)[4)]	for 3.00 m	155.0008
		Wire conduit, blue (wire dia. 1.6 onwards)[4)]	for 4.00 m	155.0009
		Wire conduit, blue (wire dia. 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

Build group	Pos.	Description		Specifications	Part no.
Cable assembly	56.1	Connecting set machine side ND 29 consisting of			501.2236
		Cable support spring			500.0233
		Biclip inside			400.0328
		Biclip Outside			400.0329
	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 diffusor, white	•	10 pcs.	030.0145
		Gas diffusor, long life		10 pcs.	030.0037
	w/o. fig.	Nozzle insulator		10 pcs.	146.0013
	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[5)]		10 pcs.	140.0051
		Contact tip M6 E-Cu, Ø 1.0[5)]		10 pcs.	140.0242
		Contact tip M6 E-Cu, Ø 1.2[5)]		10 pcs.	140.0379
		Contact tip M6 E-Cu, Ø 1.6[5)]		10 pcs.	140.0555
		Contact tip M6 CuCrZr, Ø 0.8[5)]		10 pcs.	140.0054
		Contact tip M6 CuCrZr, Ø 1.0[5)]		10 pcs.	140.0245
		Contact tip M6 CuCrZr, Ø 1.2[5)]		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[5)]		10 pcs.	141.0001
		Contact tip M6 E-Cu, Ø 1.0 for alu wire[5)]		10 pcs.	141.0006
		Contact tip M6 E-Cu, Ø 1.2 for alu wire[5)]		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[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

Build group	Pos.	Description		Specifications	Part no.
Wear parts	91	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
	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
	120	Guide spiral liner blank 1.5 / 4.0 with nipple 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 with nipple 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 with nipple 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 with nipple 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 with collet and o-ring for wire[2] Ø 0.6-1.0		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 with collet and o-ring 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 with collet and o-ring 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 with collet and o-ring 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 with collet and o-ring 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 with collet and o-ring 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 liner[3] 2.0 / 4.0 with collet and o-ring 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 liner[3] 2.3 / 4.7 with collet and o-ring 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 liner[3] 2.9 / 4.7 with collet and o-ring for wire[2] Ø 2.4		for 3.00 m	128.0024
				for 4.00 m	128.0025
				for 5.00 m	128.0027

Build group	Pos.	Description	Specifications	Part no.
Wear parts	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	200 mm	129.0461
	140	Combined wire guide cpl. polyamide/brass 2.0/4.0	for 3.00 m	128.M002
		for wire Ø 1.0-1.2	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

[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.

• Standard - Equipment

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