

MIG/MAG Fume Extraction Torch RAB Plus 501/501 D liquid-cooled



*New, lighter,
more flexible ...*



BINZEL. The right welding torch for every job!

BINZEL liquid-cooled welding torches have 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 torches feature:

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

Technical data (EN 60974-7):

RAB 501 / RAB 501 D

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

Wire sizes: 1.0 - 1.6

- Robust construction for durability and a long torch life
- A connecting system adapted to all other brands for easy torch changes

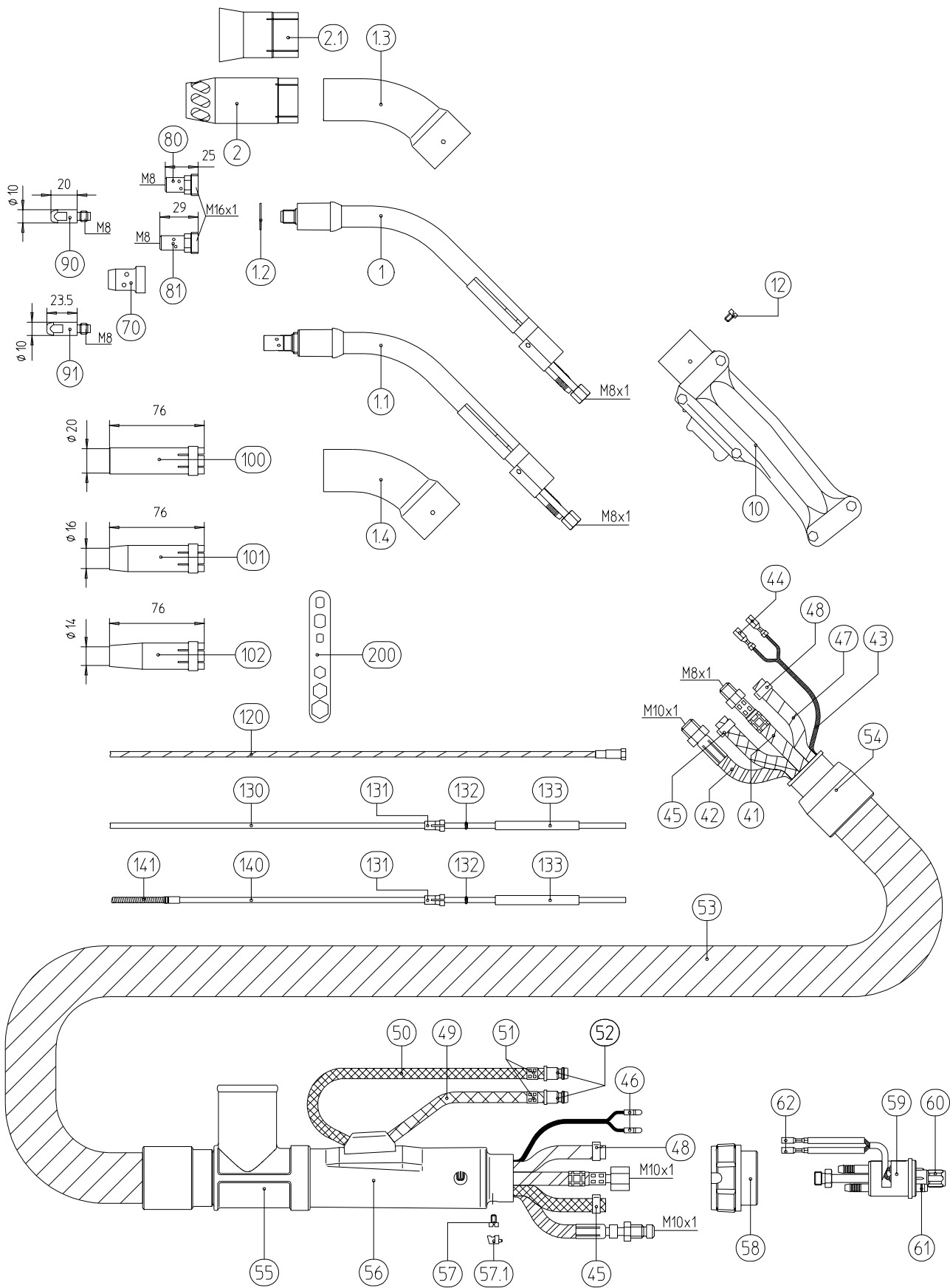
Rated using power source with VDE standard volt/amp characteristic ($U=14+0.05xI$). When pulse welding, reduce rating by 35%. Recommended cooling capacity of water recirculator ca. 800 W.

Type	3.00 m long Part no.	4.00 m long Part no.	5.00 m long Part no.
RAB Plus 501	632.2010	632.2011	632.2012
RAB Plus 501 D	634.2002	634.2003	634.2004

NB: Also available as machine version with straight and 45 ° bent torch neck and handle tube

Welding & cutting brought to the point.





Build group	Pos.	Description	Specifications	Part no.
Swan neck	1	Swan neck RAB Plus 501 D	■	634.2001
	1.1	Swan neck RAB Plus 501	■	632.2001
	1.2	Insulator	■ 20 pcs.	030.0019
	1.3	Outer neck RAB 501 D	■	600.2002
	1.4	Outer neck RAB 501	■	632.2009
	2	Fume shroud for 501/501 D	■	600.2006
	2.1	Fume shroud (funnel)		612.0023
Handle	10	Fume extraction handle cpl. consisting of:	■	180.0110
	w/o. fig.	Handle halves cpl. with slide	■	600.2015
	w/o. fig.	Trigger	■	600.0078
	w/o. fig.	Pressure spring	■ 10 pcs.	600.0079
	w/o. fig.	Microswitch	■	185.0027
	w/o. fig.	Hexagon nut	■ 20 pcs.	009.0172
	w/o. fig.	Screw	■ 20 pcs.	000.0647
	w/o. fig.	Slide	■	600.2016
	12	Screw 3.5x 9.5	■ 20 pcs.	079.0034
	Cable assembly	41	Power cable	
		Power cable		for 4.00 m 115.0070
		Power cable		for 5.00 m 115.0074
42		Wire conduit cpl. RAB		for 3.00 m 154.0002
		Wire conduit cpl. RAB		for 4.00 m 154.0003
		Wire conduit cpl. RAB		for 5.00 m 154.0004
43		Control cable 2-pole		per meter 100.0019
44		Trigger wire connector		20 pcs. 175.0022
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 ND 5		600 mm 103.0108
w/o. fig.		Hose 46 red Ø 5.5x1.5 cpl.		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		Hose 33 black LW 32 R	■	per meter 109.0043
54		Connector	■	600.2008
55		Hose connector cpl. for LW 32	■	600.2007
56		Fume extraction cable support cpl.		500.0342
57		Screw M4x6		20 pcs. 000.0552
57.1		Covering cap 2		20 pcs. 500.0362
58		Adaptor nut		500.0213
59		Central adaptor block WZ-2 with control cable		501.0015
		Central adaptor block WZ-2 with control cable (spring contact)		501.2156
60		Nut M10x1		10 pcs. 501.0082
61		O-ring 4x1		20 pcs. 165.0002
62		Trigger wire connector, female		20 pcs. 175.0003

Build group	Pos.	Description	Specifications	Part no.
Wear parts	70	Gas diffuser, white	Δ• 10 pcs.	030.0145
		Gas diffuser, long life	10 pcs.	030.0037
	80	Contact tip holder M8, 25.0 mm (short)	• 10 pcs.	142.0022
	81	Contact tip holder M8, 29.0 mm (long)	10 pcs.	142.0027
	90	Contact tip M8 E-Cu, Ø 1.0 ⁴⁾	10 pcs.	140.0313
		Contact tip M8 E-Cu, Ø 1.2 ⁴⁾	Δ• 10 pcs.	140.0442
		Contact tip M8 E-Cu, Ø 1.6 ⁴⁾	10 pcs.	140.0587
		Contact tip M8 CuCrZr, Ø 1.0 ⁴⁾	10 pcs.	140.0316
		Contact tip M8 CuCrZr, Ø 1.2 ⁴⁾	10 pcs.	140.0445
		Contact tip M8 CuCrZr, Ø 1.6 ⁴⁾	10 pcs.	140.0590
	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 ⁴⁾	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 ⁴⁾	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	
100	Gas nozzle, cylindrical ND Ø 20.0	10 pcs.	145.0051	
101	Gas nozzle, conical ND Ø 16.0	Δ• 10 pcs.	145.0085	
102	Gas nozzle, conical ND Ø 14.0	10 pcs.	145.0132	
120	Guide spiral liner blank 2.0/4.5 with collet for wire electrode ¹⁾ Ø 1.0-1.2	Δ• for 3.00 m Δ• for 4.00 m	122.0031 122.0036	
		• for 5.00 m	122.0039	
	Guide spiral liner blank 2.5/4.5 with collet for wire electrode ¹⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m	122.0056 122.0060 122.0063	
130	Teflon core liner 1.5/4.0 blue with collet and o-ring for wire electrode 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 electrode 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 electrode ²⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m	126.0039 126.0042 126.0045	
	Teflon carbon core liner 1.5/4.0 with collet and o-ring for wire electrode ²⁾ Ø 1.0	for 3.00 m for 4.00 m for 5.00 m	127.0002 127.0003 127.0004	
	Teflon carbon core liner 2.0/4.0 with collet and o-ring for wire electrode ²⁾ Ø 1.0-1.2	for 3.00 m for 4.00 m for 5.00 m	127.0005 127.0007 127.0008	
	Teflon carbon core liner 2.7/4.7 with collet and o-ring for wire electrode ²⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m	127.0010 127.0012 127.0013	

Build group	Pos.	Description	Specifications	Part no.
Wear parts	130	Polyamid liner ³⁾ 2,0/4,0 with collet and o-ring for wire electrode 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 electrode ²⁾ Ø 1.6	for 3.00 m	128.0020
			for 4.00 m	128.0021
			for 5.00 m	128.0030
	131	Collet for core liner with outer dia. 4.0	20 pcs.	131.0001
		Collet for core liner with outer dia. 4.7	20 pcs.	131.0002
	132	O-ring 3.5x1.5	20 pcs.	165.0008
	133	Guide tube for core liners up to outer dia. 4.0	200 mm	129.0461
	140	Combined wire liner polyamid/brass 2.0/4.0 for wire electrode 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 core liner for combined wire liner with collet, ready -made	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⁾ As an alternative: Packing unit 50 pcs. Specification of order: 140.xxxx.50 or 141.xxxx.50.

• Standard equipment

△ Standard equipment RAB 501

▪ The marked positions differ to RAB „Vario“.

The positions indicating „per meter“ are available in commercial lengths.

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