

MIG/MAG Welding Torch ABIMIG® 645 W liquid-cooled



ABICOR BINZEL.
The right
welding torch
for every job!

BINZEL air 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 according to EN 60 974-7:

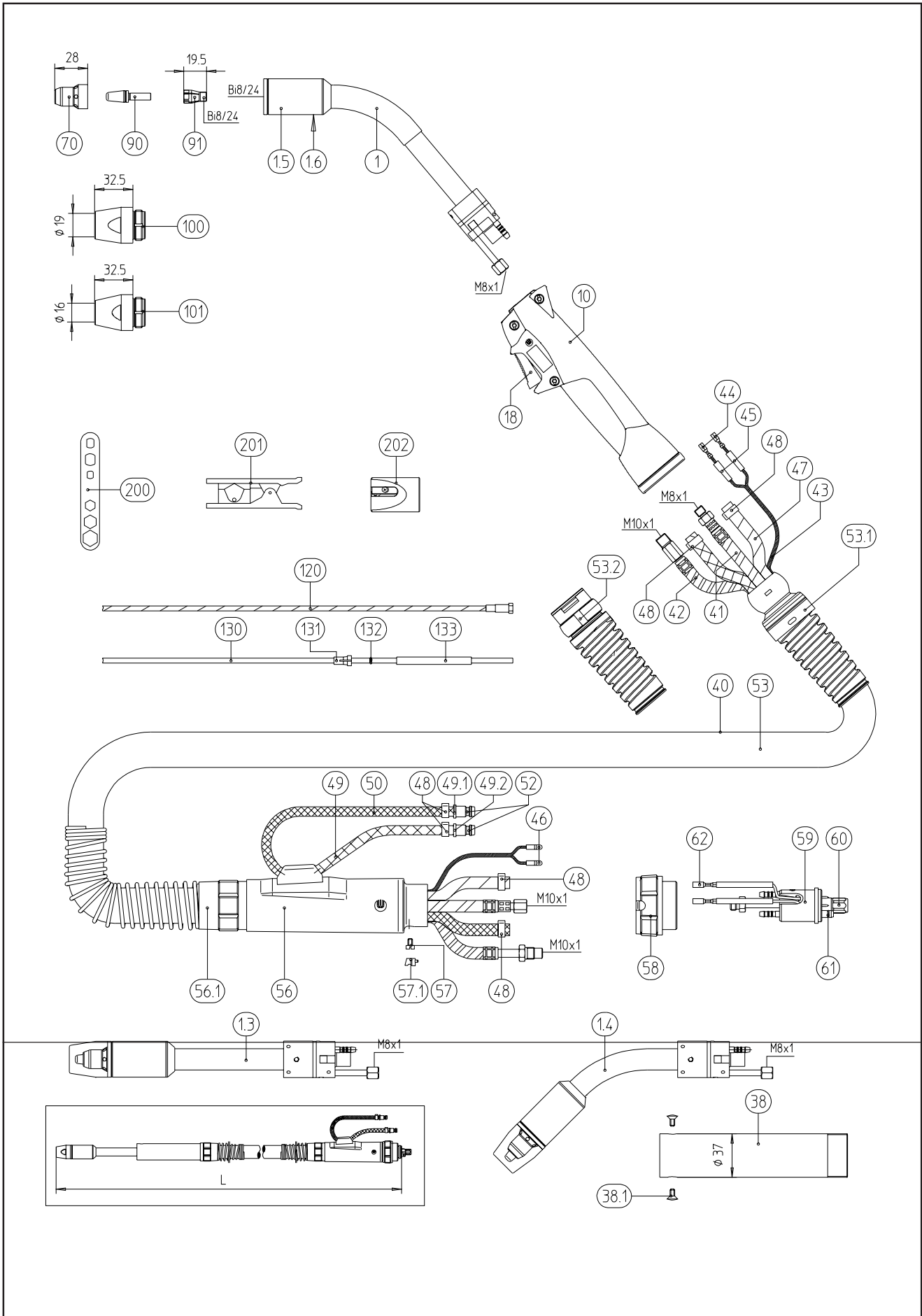
Rating: 600 A DC
450 A Impulse
Mixed Gases M 21 (DIN EN 439)
100% Duty Cycle
Wire sizes: 0.8 - 1.6 (2.4)

- Robust construction for durability and extended torch life
 - A connecting system that allows easy torch changeover
- Rated using power source with VDE standard volt/amp characteristic ($U=14+0,05xI$).
When pulse welding, reduce rating by 35%.

Type	Handle/Version	3.00 m long	4.00 m long	5.00 m long
		Part no.	Part no.	Part no.
ABIMIG® 645 W	with socket joint	766.1016	766.1017	766.1015
ABIMIG® 645 W	with rubber cable support	766.1088	766.1089	766.1082
ABIMIG®-MT 645 W 0°	Handle tube	766.0101	Special lengths	
ABIMIG®-MT 645 W 45°	Handle tube	766.0104	upon request!	

Welding & cutting brought to the point.





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

Build group	Pos.	Description	Specifications	Part no.
Torch	1	Swan neck ABIMIG® 645 W; 50° bent		766.1002
	1.3	Swan neck ABIMIG®-MT 645 W; straight		766.0099
	1.4	Swan neck ABIMIG®-MT 645 W45; 45° bent		766.0100
	1.5	Cooling jacket cpl.		766.1003
	1.6	O-ring 18x1.5	20 pcs.	165.0016
	Handle	10	Handle ABIMIG® with trigger cpl.	
		Handle ABIMIG® right		400.0795
		Handle ABIMIG® left		400.0796
		Clamping ring		400.0808
		Screw 4x10	20 pcs.	400.0792
		Screwed bush M4	20 pcs.	400.0095
18		Trigger 2-pol.		185.0031
38		Handle tube MT		180.0114
38.1		Flat head screw M4x8	2 pcs.	009.0315
Cable assembly		40	Cable assembly without central adaptor block (with socket joint)	3.00 m
		Cable assembly without central adaptor block (with socket joint)	4.00 m	766.1049
		Cable assembly without central adaptor block (with socket joint)	5.00 m	766.1050
		Cable assembly without central adaptor block (with rubber cable support)	3.00 m	766.1101
		Cable assembly without central adaptor block (with rubber cable support)	4.00 m	766.1102
		Cable assembly without central adaptor block (with rubber cable support)	5.00 m	766.1103
	41	Power cable	for 3.00 m	115.0379
		Power cable	for 4.00 m	115.0380
		Power cable	for 5.00 m	115.0381
	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 (up to wire dia. 1.6) ⁴⁾	for 3.00 m	155.0008
		Wire conduit blue (up to wire dia. 1.6) ⁴⁾	for 4.00 m	155.0009
		Wire conduit blue (up to wire dia. 1.6) 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 29 black 3.9x1.5	per meter	109.0039
	48	Hose clamp Ø 8.3 mm with ring (mark 8.7)	20 pcs.	173.0011
	49	Hose 49 black 3.9x1.5	per Meter	109.0059
	49.1	Marking washer blue	20 pcs.	501.2167
	49.2	Marking washer red	20 pcs.	501.2166
	50	Hose 49 black 3.9x1.5 cpl. with quick connector ND5	600 mm	966.1504
	52	Quick connector	20 pcs.	501.2165
	53	Outer cover Ø 25x1.5	per meter	107.0004
	53.1	Socket joint cpl.		400.0949
	53.2	Rubber cable support		400.0950
	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 ND 29 consisting of: Cable support spring Biclip inside Biclip outside		501.2236 500.0233 400.0328 400.0329	
	57	Screw M4x6	20 pcs.	000.0552	
	57.1	Covering cap 1	20 pcs.	500.0251	
	58	Adaptor nut Adaptor nut		500.0213 500.0213	
	59	Central adaptor block WZ-2 with control leads Central adaptor block WZ-2 without control leads		766.0501 766.0075	
	59.1	Central adaptor block WZ-2 with spring-finger connector		766.0503	
	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 Gas diffuser, long life	• 10 pcs. 10 pcs.	766.1095 766.1078
		80	Spannzange	•	766.1051
		90	Contact tip CuCrZr; Ø 0.8 ⁹⁾ Contact tip CuCrZr; Ø 0.9 ⁹⁾ Contact tip CuCrZr; Ø 1.0 ⁹⁾ Contact tip CuCrZr; Ø 1.2 ⁹⁾ Contact tip CuCrZr; Ø 1.4 Contact tip CuCrZr; Ø 1.6	10 pcs. 10 pcs. 10 pcs. • 10 pcs. 10 pcs. 10 pcs.	140.1310 140.1311 140.1312 140.1313 140.1314 140.1315
		100	Gas nozzle, cylindrical; ND Ø 19.0	10 pcs.	766.1075
101		Gas nozzle, conical; ND Ø 16.0	• 10 pcs.	766.1074	
120		Guide spiral liner insulated 1.5/4.0 blue with nipple for wire ⁹⁾ Ø 0.8 Guide spiral liner insulated 2.0/4.5 red with nipple for wire ⁹⁾ Ø 1.0-1.2 Guide spiral liner insulated 2.5/4.5 yellow with nipple for wire ⁹⁾ Ø 1.6	for 3.00 m for 4.00 m for 5.00 m • for 3.00 m • for 4.00 m • for 5.00 m for 3.00 m for 4.00 m for 5.00 m	124.0137 124.0138 124.0139 124.0111 124.0112 124.0113 124.0114 124.0115 124.0116	
130		Teflon core liner 1.5/4.0 blue with collet and o-ring for wire ⁹⁾ Ø 0.6-1.0 Teflon core liner 2.0/4.0 red with collet and o-ring for wire ⁹⁾ Ø 1.0-1.2 Teflon core liner 2.7/4.7 yellow with collet and o-ring for wire ⁹⁾ Ø 1.6 Plastic core liner 2.0 petrol with collet and o-ring and wire guidance for wire ⁹⁾ Ø 1.0-1.2 Plastic core liner 2,4 petrol with collet and o-ring and wire guidance for wire ⁹⁾ Ø 1.6 Carbon teflon core liner 1.5/4.0 with collet and o-ring for wire ⁹⁾ Ø 0.8-1.0	for 3.00 m for 4.00 m for 5.00 m for 3.00 m for 4.00 m for 5.00 m for 3.00 m for 4.00 m for 5.00 m for 3.00 m for 4.00 m for 5.00 m for 3.00 m for 4.00 m for 5.00 m	126.0005 126.0008 126.0011 126.0021 126.0026 126.0028 126.0039 126.0042 126.0045 126.0069 126.0070 126.0071 126.0072 126.0073 126.0074 127.0002 127.0003 127.0004	

Build group	Pos.	Description	Specifications	Part no.
Wear parts	130	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
	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
200	Spanner	10 pcs.	191.0001	
201	Hose cutter		191.0062	
202	Sharpener for collet core liner		191.0064	

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).

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.



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