

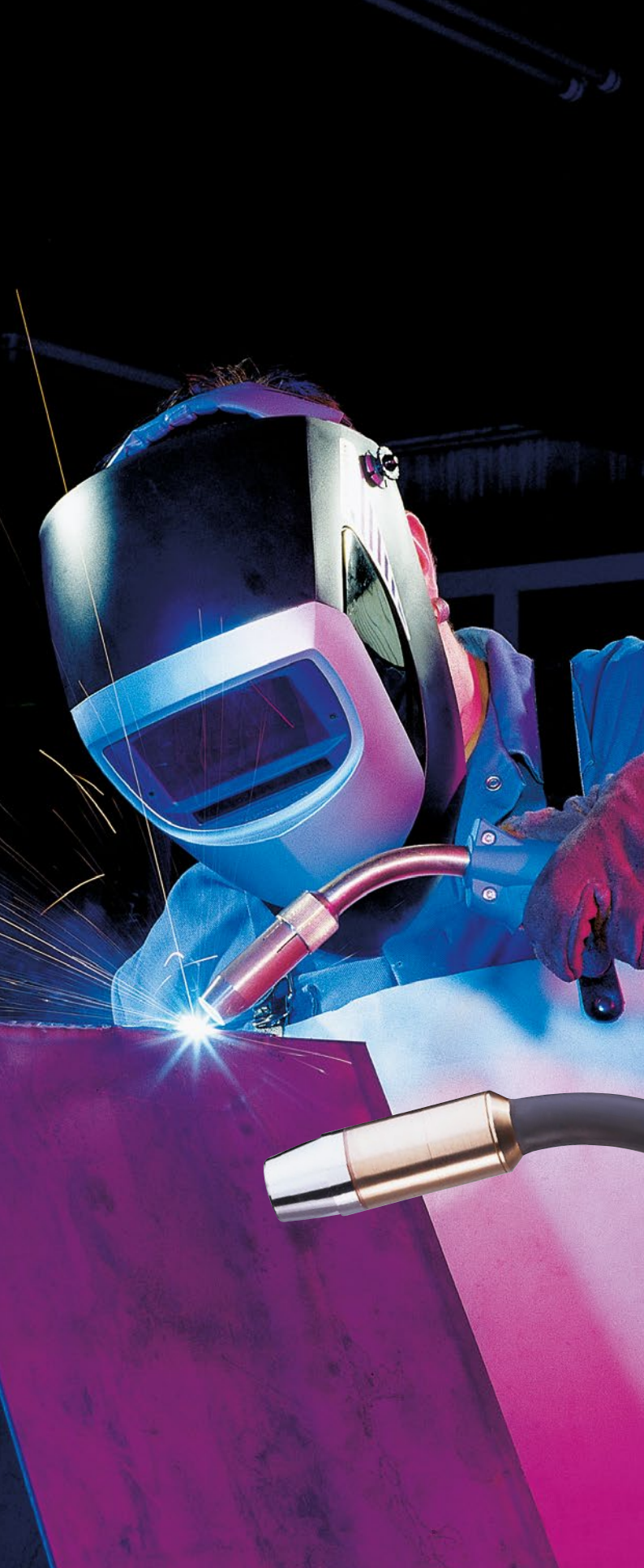
MIG/MAG Welding Torches

ABIMIG® liquid cooled

“Higher service lifes in the high-performance range”

The tried and tested MIG/MAG Welding Torches ABIMIG® liquid cooled cover the rating spectrum up to 600 A. The handle concept ABIMIG® makes it possible to integrate all common switch and control functions.

- Dual cooling circuit for optimized torch cooling – extended service life of wear and spare parts
- Welding applications up to 600 A – excellent welding results for pulse applications
- Technically proven – 100% reliable
- Split gas nozzle as well as optimally cooled gas nozzle seat on ABIMIG® 645 guarantee best possible welding results even in high performance applications
- Time-saving torch change-over due to the ABICOR BINZEL central connector



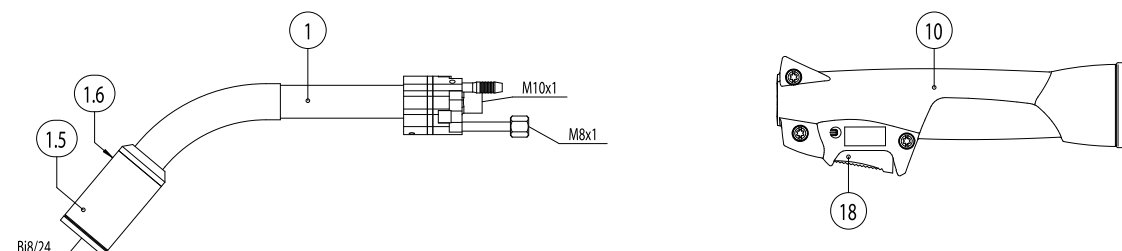
Technical data
(EN 60 974-7)

MIG/MAG Welding Torches “ABIMIG®” (liquid cooled)

Type	Rating (A) DC	Mixed gases M21 Impuls	Duty cycle (%)	Wire size (mm)
ABIMIG® 645 W	600	450	100	0.8-1.6

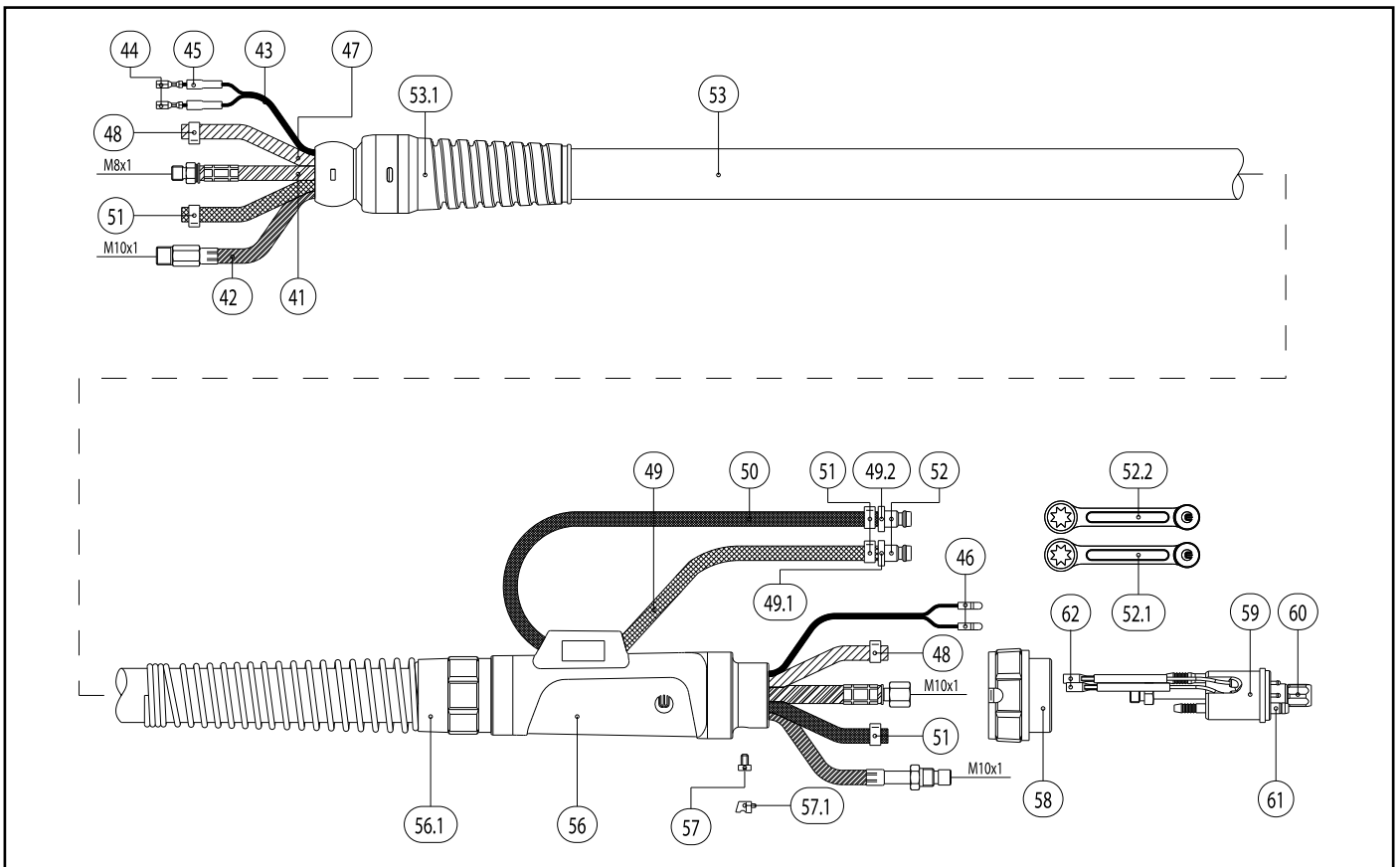
Subject to change without notice.

MIG/MAG Welding Torches ABIMIG® 645 W



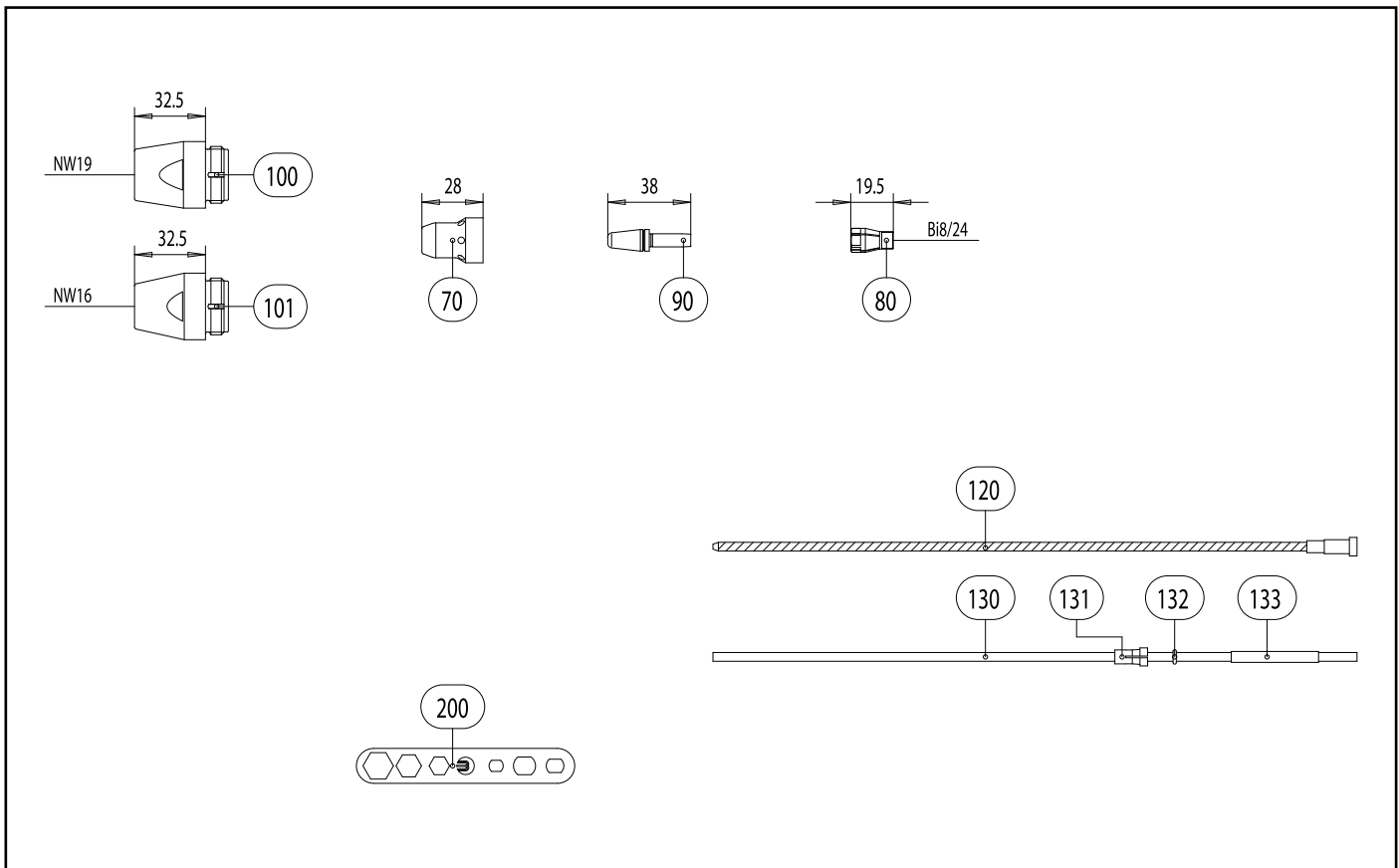
Pos.	Description	Units	Part-No.	Product-group
Torch				
	ABIMIG® 645 W; central adaptor WZ-2; 3.00 m (socket joint)		766.0406	1346
	ABIMIG® 645 W; central adaptor WZ-2; 4.00 m (socket joint)		766.0407	1346
	ABIMIG® 645 W; central adaptor WZ-2; 5.00 m (socket joint)		766.0408	1346
Swan neck				
1	Swan neck ABIMIG® 645W; 50° bent		766.0370	1309
1.5	Cooling jacket cpl.		766.0377	1395
1.6	O-Ring 18x1.5	20 Pcs.	165.0016	9010
Handle				
10	Handle ABIMIG® with trigger cpl.		180.0111	1395
18	Trigger 2-pole		185.0031	9010
Cable assembly				
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 3.00 m		115.0065	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 4.00 m		115.0070	1012
41	Power cable MB ERGO / MB GRIP / ABIMIG® (RBH) for 5.00 m		115.0074	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 3.00 m		156.0019	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 4.00 m		156.0023	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. red (up to wire Ø 1.2) for 5.00 m		156.0026	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 3.00 m		155.0008	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 4.00 m		155.0009	1012
42	Wire conduit MB ERGO / ABIMIG® cpl. blue (wire Ø 1.6 onwards) for 5.00 m		155.0010	1012
43	Control cable 2-pole	200 m	100.0019	4050
44	Trigger wire connector	20 Pcs.	175.0022	9010
45	Insulating sleeve	20 Pcs.	400.0119	1095
46	Plug	20 Pcs.	175.0004	9010
47	Hose 30 black Ø 4.9x1.5	100 m	109.0040	4050

MIG/MAG Welding Torches ABIMIG® 645 W



Pos.	Description	Units	Part-No.	Product-group
48	Hose clamp Ø 8.7 mm	100 Pcs.	171.0002	9010
49	Hose 42 RBH black; Ø 5.5x1.5	40 m	109.0052	4050
49.1	Code colour ring blue	20 Pcs.	501.2167	9010
49.2	Code colour ring red	20 Pcs.	501.2166	9010
50	Hose 46 black Ø 5.5x1.5 cpl. with plug nipple ND 5; 0.6 m		103.0108	1095
51	Hose clamp Ø 9.5 mm with ring (mark 10.0)	100 Pcs.	173.0002	9010
52	Plug nipple ND 5 mm / Ø 6.0 mm	20 Pcs.	501.0114	9010
52.1	Fastener cap red	20 Pcs.	501.2423	1095
52.2	Fastener cap blue	20 Pcs.	501.2424	1095
53	Outer cover Ø 25x1.5	40 m	107.0004	4050
53.1	Socket joint cpl.		400.0949	1095
56	Cable support machine side big cpl. ND 31		500.0342	9010
56	Cable support machine side		501.2379	9010
56	Hose guide		500.0334	9010
56.1	Connecting set machine side for ND 29		501.2236	9010
56.1	Cable support spring		500.0233	9010
56.1	Biclip inside		400.0328	9010
56.1	Biclip outside		400.0329	9010
57	Pan head screw M4x6	20 Pcs.	000.0552	9010
57.1	Screw cap 1	20 Pcs.	500.0251	9010
58	Adaptor nut M33x2		500.0213	9010
59	Central adaptor WZ-2		766.0501	1395
59.1	Central adaptor WZ-2		766.0501	1395
60	Coupling nut M10x1	10 Pcs.	501.0082	9010
61	O-Ring 4x1	20 Pcs.	165.0002	9010
62	Trigger wire connector; female	20 Pcs.	175.0003	9010

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Pos.	Description	Units	Part-No.	Product-group
Wear parts				
70	Gas diffuser, white	10 Pcs.	766.1095	1332
70	Gas diffuser, long life	10 Pcs.	766.1078	1332
70	Gas diffuser, ceramic	10 Pcs.	766.1135	1332
80	Collet body	10 Pcs.	766.1051	1333
90	Contact tip CuCrZr; Ø 1.0 (9.9x38)	10 Pcs.	140.1312	1031
90	Contact tip CuCrZr; Ø 1.2 (9.9x38)	10 Pcs.	140.1313	1031
90	Contact tip CuCrZr; Ø 1.6 (9.9x38)	10 Pcs.	140.1315	1031
100	Gas nozzle; cylindrical; ND Ø 19.0	2 Pcs.	766.1075	1337
101	Gas nozzle; conical; ND Ø 16.0	2 Pcs.	766.1074	1337
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 3.00 m		124.0111	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 4.00 m		124.0112	1334
120	Guide spiral liner insulated; 2.0/4.5; red; for wire Ø 1.0-1.2; for 5.00 m		124.0113	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 3.00 m		124.0114	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 4.00 m		124.0115	1334
120	Guide spiral liner insulated; 2.5/4.5; yellow; for wire Ø 1.6; for 5.00 m		124.0116	1334
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 3.00 m		126.0021	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 4.00 m		126.0026	1034
130	PTFE core liner 2.0/4.0; red; wire electrode Ø 1.0-1.2; for 5.00 m		126.0028	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 3.00 m		126.0039	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 4.00 m		126.0042	1034
130	PTFE core liner 2.7/4.7; yellow; wire electrode Ø 1.6; for 5.00 m		126.0045	1034
130	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 3.00 m		126.0069	1334
130	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 4.00 m		126.0070	1334
130	Plastic core liner; 2.0; petrol; for wire Ø 1.0-1.2; for 5.00 m		126.0071	1334
130	Plastic core liner; 2.4; petrol; for wire Ø 1.6; for 3.00 m		126.0072	1334

