

MIG/MAG welding torches "ABIMIG® W"

Liquid cooled • rating 350 A up to 600 A

ABIMIG® W torches are optimal whenever the best possible welding results are to be achieved with a torch neck geometry. Thanks to the slim straight handles, the torches fit comfortably in the hand and allow different postural positions and flexibility in torch neck alignment. ABIMIG® W torches are very hard-wearing and, thanks to the double fixation of the torch neck, are particularly well protected against mechanical deformation.

- Coated torch necks and robust design for use at high process temperatures
- Durable, screwable gas nozzles with integrated, replaceable spatter protection
- Extended and short triggers available – for best handling
- Tried-and-tested ergonomic grip – easy to hold in all positions



ABIMIG® W 340

Technical data (EN 60 974-7):

Rating: 400 A CO₂
350 A mixed gas M21
(DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8-1.2 mm

ABIMIG® W 440

Technical data (EN 60 974-7):

Rating: 500 A CO₂
450 A mixed gas M21
(DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 0.8-1.6 mm

ABIMIG® W 540

Technical data (EN 60 974-7):

Rating: 600 A CO₂
550 A mixed gas M21
(DIN EN ISO 14175)

Duty cycle: 100%

Wire size: 1.0-1.6 mm

Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® W 340	Push-button short	788.1530.1	766.1531.1	766.1532.1	50°	766.1553.1
ABIMIG® W 340	Push-button long	766.1558.1	766.1559.1	766.1560.1	50°	766.1553.1
ABIMIG® W 440	Push-button short	766.1533.1	766.1534.1	766.1535.1	50°	766.1548.1
ABIMIG® W 440	Push-button long	766.1561.1	766.1562.1	766.1563.1	50°	766.1548.1
ABIMIG® W 540	Push-button short	766.1536.1	766.1537.1	766.1538.1	50°	766.1539.1
ABIMIG® W 540	Push-button long	766.1564.1	766.1565.1	766.1566.1	50°	766.1539.1

Up/Down module on request.

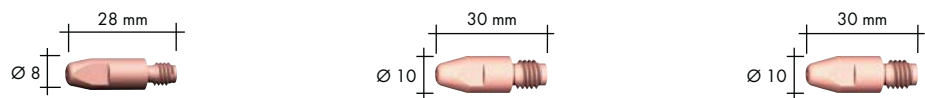
ABIMIG® W 340, ABIMIG® W 440, ABIMIG® W 540

Wear parts



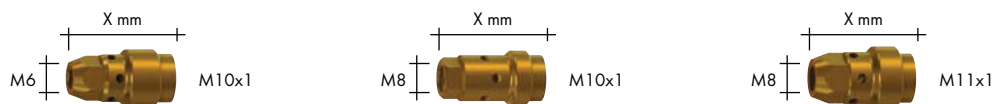
Gas nozzle incl. spatter protection¹ (5 pcs.)

	Ø A		Ø A		Ø A	
Cylindrical	Ø 17	145.0740.5	Ø 18	145.0745.5	Ø 20	145.0742.5
Conical	Ø 12.5	145.0737.5 ²	Ø 14.5	145.D092.5 ³	Ø 16	145.0735.5 ⁴
Conical	Ø 10	145.0739.5	Ø 12	145.0746.5	Ø 14	145.0741.5



Contact tip (10 pcs.)

		M6	M8	M8
E-Cu	Ø 0.8	140.0051	140.0114	-
	Ø 1.0	140.0242	140.0313	140.0313
	Ø 1.2	140.0379	140.0442	140.0442
	Ø 1.6	-	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0033	-
	Ø 1.0	141.0006	141.0008	141.0008
	Ø 1.2	141.0010	141.0015	141.0015
	Ø 1.6	-	141.0022	141.0022
CuCrZr	Ø 0.8	140.0054	140.0117	-
	Ø 1.0	140.0245 ²	140.0316	140.0316
	Ø 1.2	140.0382	140.0445 ³	140.0445 ⁴
	Ø 1.6	-	140.0590	140.0590



Contact tip holder (5 pcs.)

	X	X	X			
Brass	24.0	142.0241.5	26.0	142.0252.5	25.0	142.0239.5
	26.0	142.0242.5 ²	28.0	142.0253.5 ³	27.0	142.0240.5 ⁴
	-	-	31.0	142.0243.5	-	-
CuCrZr	26.0	142.0274.5	29.5	142.0262.5	25.0	142.0247.5
	-	-	-	-	27.0	142.0248.5
	-	-	-	-	28.5	142.0261.5

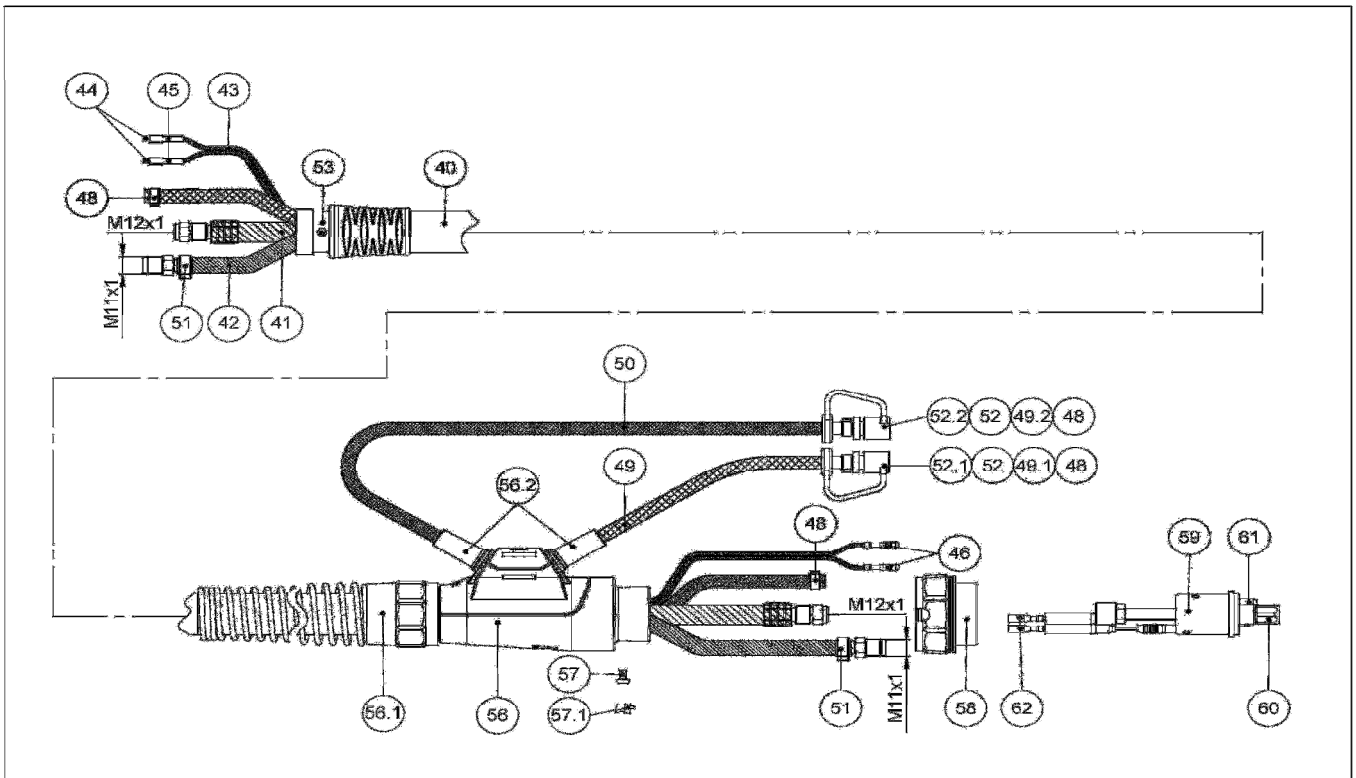
Liner	for 3 m			for 4 m			for 5 m		
	Spiral	Ø 0.8	124.0137	124.0138	124.0138	124.0139	124.0139	124.0139	124.0139
PTFE liner	Ø 1.0	124.0111 ²	124.0112 ²	124.0112 ²	124.0113 ²	124.0113 ²	124.0113 ²	124.0113 ²	
	Ø 1.2	124.0111 ^{3,4}	124.0112 ^{3,4}	124.0112 ^{3,4}	124.0113 ^{3,4}	124.0113 ^{3,4}	124.0113 ^{3,4}	124.0113 ^{3,4}	
	Ø 1.6	124.0114	124.0115	124.0115	124.0116	124.0116	124.0116	124.0116	
	Ø 0.8	126.0005	126.0008	126.0008	126.0011	126.0011	126.0011	126.0011	
Carbon PTFE liner	Ø 1.0	126.0021	126.0026	126.0026	126.0028	126.0028	126.0028	126.0028	
	Ø 1.2	126.0021	126.0026	126.0026	126.0028	126.0028	126.0028	126.0028	
	Ø 1.6	126.0039	126.0042	126.0042	126.0045	126.0045	126.0045	126.0045	
	Ø 0.8	127.0002	127.0003	127.0003	127.0004	127.0004	127.0004	127.0004	
Carbon PTFE liner	Ø 1.0	127.0005	127.0007	127.0007	127.0008	127.0008	127.0008	127.0008	
	Ø 1.2	127.0005	127.0007	127.0007	127.0008	127.0008	127.0008	127.0008	
	Ø 1.6	127.0010	127.0012	127.0012	127.0013	127.0013	127.0013	127.0013	

¹ The integrated spatter protection is already contained in the above-mentioned gas nozzles and can be ordered separately on request.

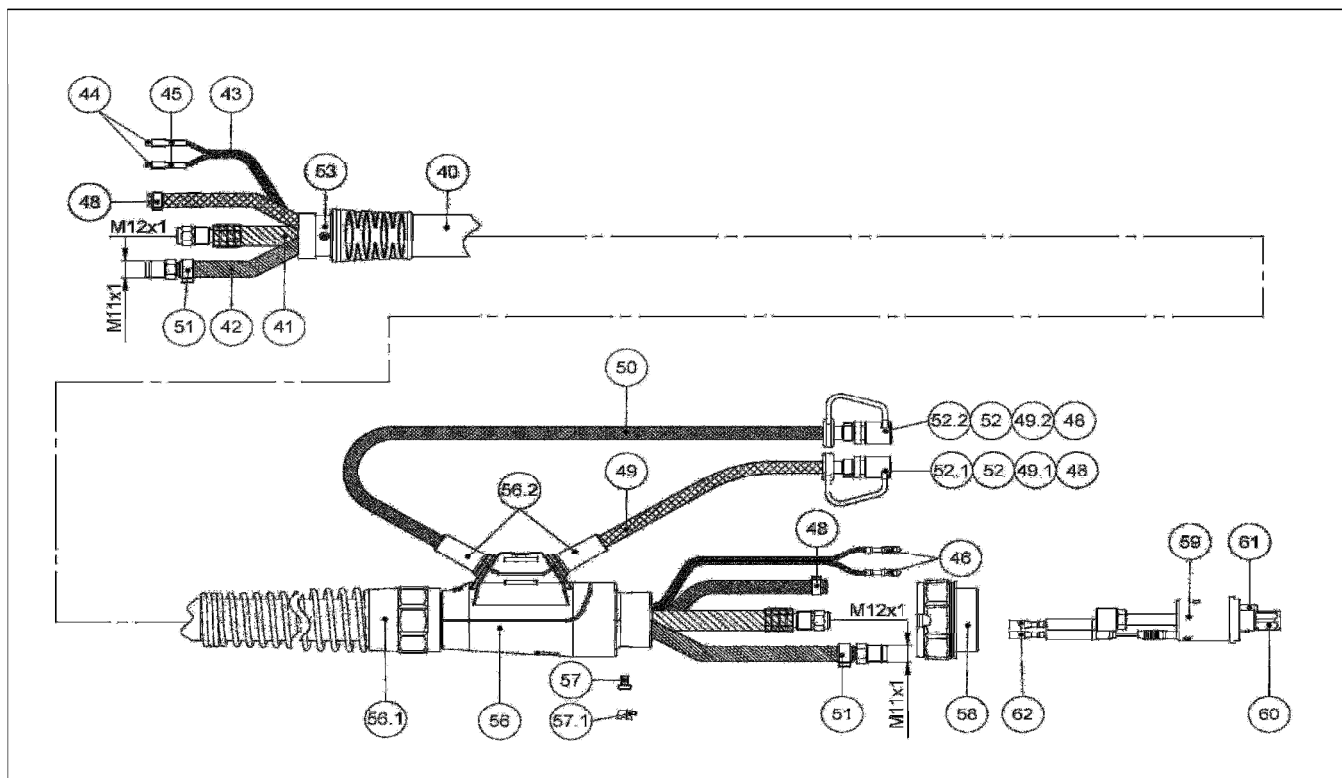
² Included in the standard equipment for complete torches ABIMIG® W 340.

³ Included in the standard equipment for complete torches ABIMIG® W 440.

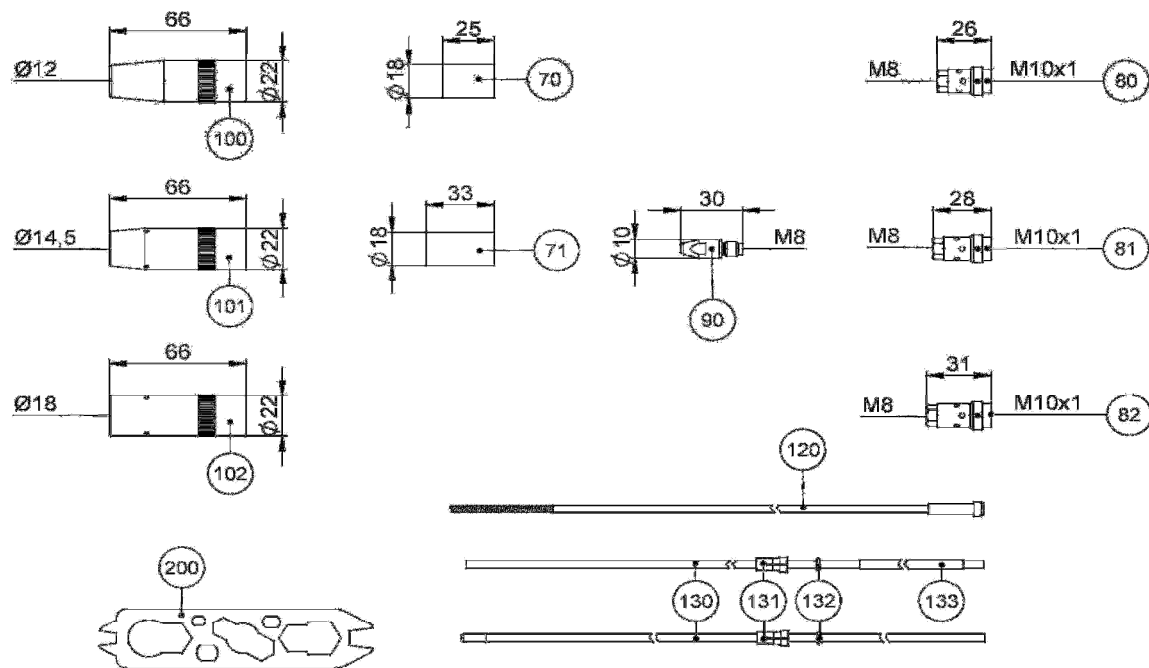
⁴ Included in the standard equipment for complete torches ABIMIG® W 540.



Pos.	Description	Spec.	Part No.
	Cable assembly	for 3.0m	for 4.0m
40	Cable assembly ABIMIG® W; PVC	022.0273.1	022.0274.1
41	Power cable PVC	115.0855.1	115.0856.1
42	Wire conduit yellow 6.5x1.75 with crimping sleeve	154.0020.1	154.0021.1
53	Outer cover Ø 25x1.5 with cable support	107.0109.1	107.0110.1
no pic.	Hose yellow 6.5x1.75		200 m
43	Control lead 2-pole		200 m
44	Cable eye		20 pcs
45	Insulating sleeve for cable eye		20 pcs
46	Plug		20 pcs
48	Hose clip D= 9.0 with insert ring code 9.5		100 pcs
49	Hose 47 blue 5.6x1.5		100 m
49.1	Code colour ring blue		20 pcs
49.2	Code colour ring red		20 pcs
50	Coolant return hose 0.60m cpl. (incl. pos. 49.2; pos. 52; pos. 52.2)		103.0116.1
no pic.	Hose 46 red 5.6x1.5		100 m
51	Hose clip D= 11.8 with insert ring code 12.3		100 pcs
52	Plug-in nipple		20 pcs
52.1	Sealing cover blue		20 pcs
52.2	Sealing cover red		20 pcs
56	Connection housing lc cpl. (incl. pos. 56.2)		501.2670.1
56.1	Cable support spring Ø 29 incl. Biclip		501.2236
56.2	Cable support nozzle		10 pcs
57	Cylindrical screw M4x6		20 pcs
57.1	Cover 1		20 pcs
58	Connecting nut M33x2		500.0213
59	Central connector WZ-2 M12x1		501.2677.1
60	Cap nut M10x1, plastic		5 pcs
61	O-Ring 4x1		20 pcs
62	Sleeve		20 pcs



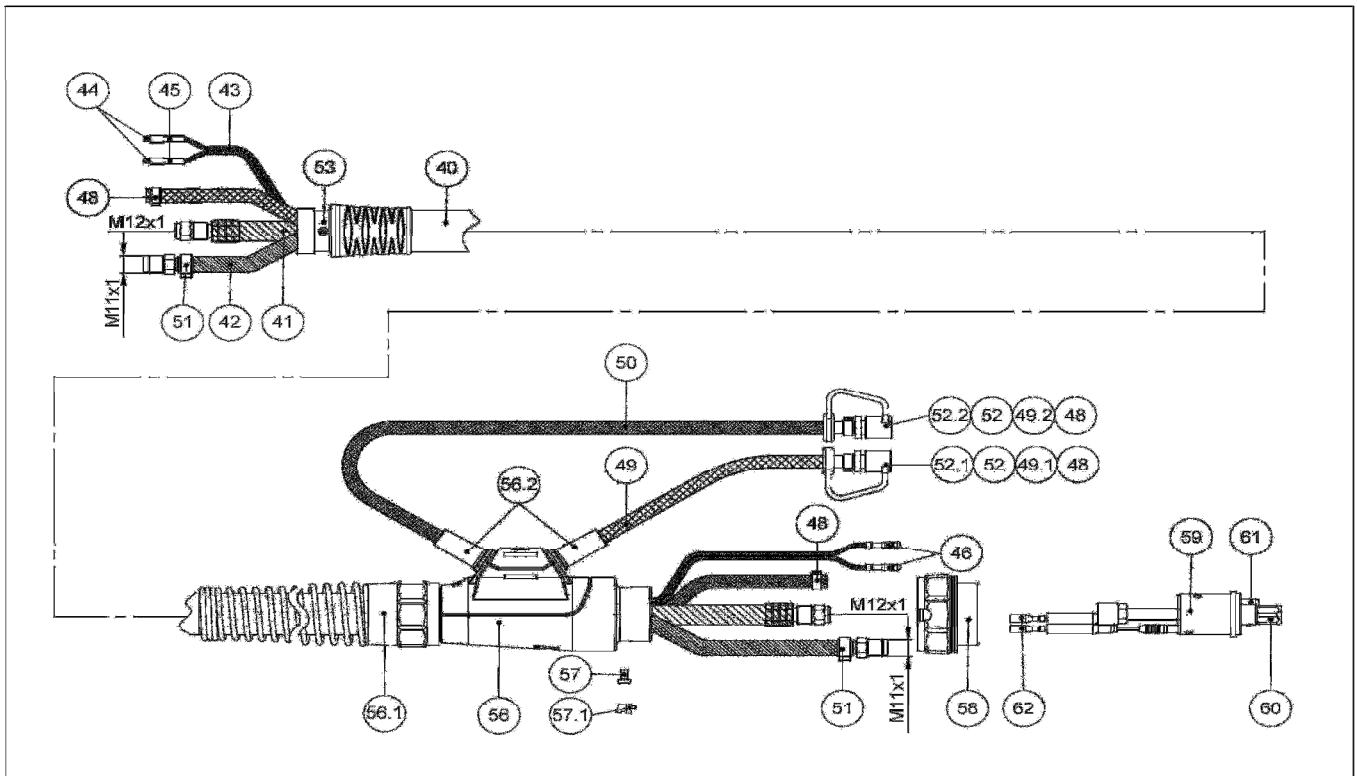
Pos.	Description	Spec.	Part No.
	Cable assembly	for 3.0m	for 4.0m
40	Cable assembly ABIMIG® W; PVC	022.0273.1	022.0274.1
41	Power cable PVC	115.0855.1	115.0856.1
42	Wire conduit yellow 6.5x1.75 with crimping sleeve	154.0020.1	154.0021.1
53	Outer cover Ø 25x1.5 with cable support	107.0109.1	107.0110.1
no pic.	Hose yellow 6.5x1.75		200 m
43	Control lead 2-pole		200 m
44	Cable eye		20 pcs
45	Insulating sleeve for cable eye		20 pcs
46	Plug		20 pcs
48	Hose clip D= 9.0 with insert ring code 9.5		100 pcs
49	Hose 47 blue 5.6x1.5		100 m
49.1	Code colour ring blue		20 pcs
49.2	Code colour ring red		20 pcs
50	Coolant return hose 0.60m cpl. (incl. pos. 49.2; pos. 52; pos. 52.2)		103.0116.1
no pic.	Hose 46 red 5.6x1.5		100 m
51	Hose clip D= 11.8 with insert ring code 12.3		100 pcs
52	Plug-in nipple		20 pcs
52.1	Sealing cover blue		20 pcs
52.2	Sealing cover red		20 pcs
56	Connection housing lc cpl. (incl. pos. 56.2)		501.2670.1
56.1	Cable support spring Ø 29 incl. Biclip		501.2236
56.2	Cable support nozzle		10 pcs
57	Cylindrical screw M4x6		20 pcs
57.1	Cover 1		20 pcs
58	Connecting nut M33x2		500.0213
59	Central connector WZ-2 M12x1		501.2677.1
60	Cap nut M10x1, plastic		5 pcs
61	O-Ring 4x1		20 pcs
62	Sleeve		20 pcs



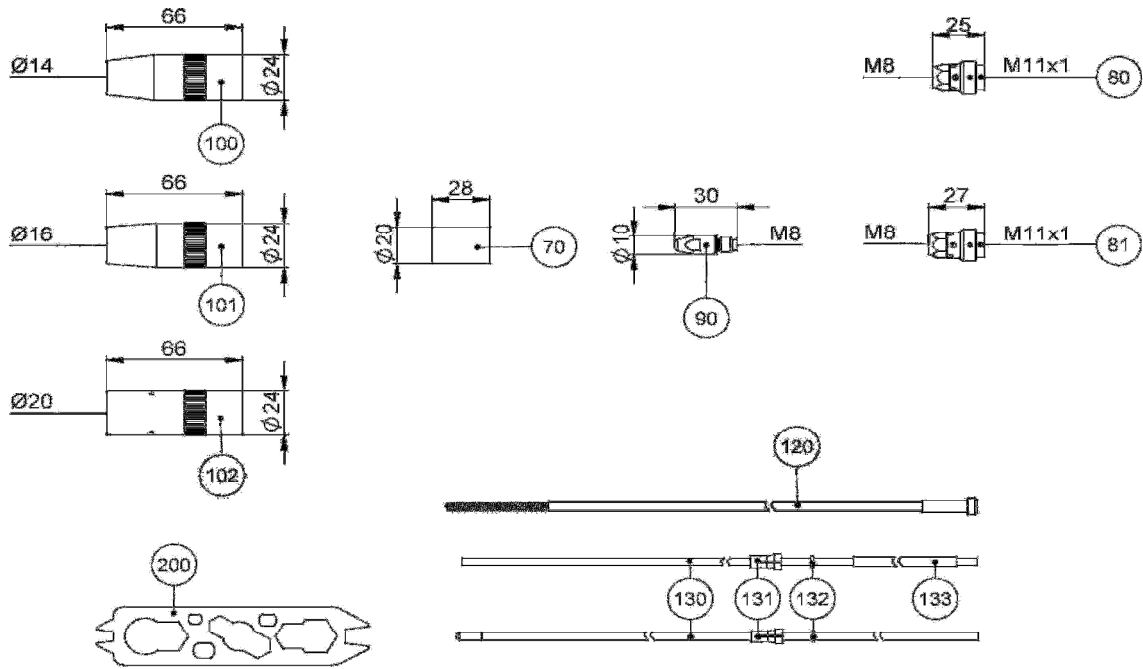
Pos. Description
Consumables

Spec. Part No.

Pos.	Description	Spec.	Part No.		
70	Spatter protector for gas nozzle DN12	10 pcs	146.0083.10		
71	Spatter protector for gas nozzle DN14.5 and DN18	10 pcs	146.D003.10	•	
80	Tip holder M10x1 / M8 26.0mm brass; contact tip recess 5mm	5 pcs	142.0252.5		
81	Tip holder M10x1 / M8 28.0mm brass; contact tip recess 3mm	5 pcs	142.0253.5	•	
82	Tip holder M10x1 / M8 31.0mm brass; contact tip recess 0mm	5 pcs	142.0243.5		
90	Contact tip M8 E-Cu; Ø 0.8 (10x30)	10 pcs	140.0114		
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 pcs	140.0313		
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 pcs	140.0442		
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 pcs	140.0533		
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 pcs	140.0587		
90	Contact tip M8 CuCrZr; Ø 0.8 (10x30)	10 pcs	140.0117		
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 pcs	140.0316		
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 pcs	140.0445	•	
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 pcs	140.0536		
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 pcs	140.0590		
90	Contact tip M8 E-Cu; Ø 0.8 for Al wire (10x30)	10 pcs	141.0003		
90	Contact tip M8 E-Cu; Ø 1.0 for Al wire (10x30)	10 pcs	141.0008		
90	Contact tip M8 E-Cu; Ø 1.2 for Al wire (10x30)	10 pcs	141.0015		
90	Contact tip M8 E-Cu; Ø 1.4 for Al wire (10x30)	10 pcs	141.0055		
90	Contact tip M8 E-Cu; Ø 1.6 for Al wire (10x30)	10 pcs	141.0022		
90	Contact tip M8 CuCrZr silver plated; Ø 0.8 (10x30)	10 pcs	147.0117		
90	Contact tip M8 CuCrZr silver plated; Ø 1.0 (10x30)	10 pcs	147.0316		
90	Contact tip M8 CuCrZr silver plated; Ø 1.2 (10x30)	10 pcs	147.0445		
90	Contact tip M8 CuCrZr silver plated; Ø 1.4 (10x30)	10 pcs	147.0536		
90	Contact tip M8 CuCrZr silver plated; Ø 1.6 (10x30)	10 pcs	147.0590		
100	Gas nozzle M20; DN 12 galvanized; conical L=66mm cpl.	5 pcs	145.0746.5		
101	Gas nozzle M20; DN 14.5 galvanized; conical L=66mm cpl.	5 pcs	145.D092.5	•	
102	Gas nozzle M20; DN 18 galvanized; cylindrical L=66mm cpl.	5 pcs	145.0745.5		



Pos.	Description	Spec.	Part No.
	Cable assembly	for 3.0m	for 4.0m
40	Cable assembly ABIMIG® W; PVC	022.0273.1	022.0274.1
41	Power cable PVC	115.0855.1	115.0856.1
42	Wire conduit yellow 6.5x1.75 with crimping sleeve	154.0020.1	154.0021.1
53	Outer cover Ø 25x1.5 with cable support	107.0109.1	107.0110.1
no pic.	Hose yellow 6.5x1.75		200 m
43	Control lead 2-pole		200 m
44	Cable eye		20 pcs
45	Insulating sleeve for cable eye		20 pcs
46	Plug		20 pcs
48	Hose clip D= 9.0 with insert ring code 9.5		100 pcs
49	Hose 47 blue 5.6x1.5		100 m
49.1	Code colour ring blue		20 pcs
49.2	Code colour ring red		20 pcs
50	Coolant return hose 0.60m cpl. (incl. pos. 49.2; pos. 52; pos. 52.2)		103.0116.1
no pic.	Hose 46 red 5.6x1.5		100 m
51	Hose clip D= 11.8 with insert ring code 12.3		100 pcs
52	Plug-in nipple		20 pcs
52.1	Sealing cover blue		20 pcs
52.2	Sealing cover red		20 pcs
56	Connection housing lc cpl. (incl. pos. 56.2)		501.2670.1
56.1	Cable support spring Ø 29 incl. Biclip		501.2236
56.2	Cable support nozzle		10 pcs
57	Cylindrical screw M4x6		20 pcs
57.1	Cover 1		20 pcs
58	Connecting nut M33x2		500.0213
59	Central connector WZ-2 M12x1		501.2677.1
60	Cap nut M10x1, plastic		5 pcs
61	O-Ring 4x1		20 pcs
62	Sleeve		20 pcs



Pos.	Description	Spec.	Part No.		
Consumables					
70	Spatter protector for gas nozzle DN14, DN16 and DN20	10 pcs	146.0080.10		
80	Tip holder M11x1 / M8 25.0mm Ms; contact tip recess 6mm	5 pcs	142.0239.5		
80	Tip holder M11x1 / M8 25.0mm CuCrZr; contact tip recess 6mm	5 pcs	142.0247.5		
81	Tip holder M11x1 / M8 27.0mm Ms; contact tip recess 4mm	5 pcs	142.0240.5	•	
81	Tip holder M11x1 / M8 27.0mm CuCrZr; contact tip recess 4mm	5 pcs	142.0248.5		
90	Contact tip M8 E-Cu; Ø 1.0 (10x30)	10 pcs	140.0313		
90	Contact tip M8 E-Cu; Ø 1.2 (10x30)	10 pcs	140.0442		
90	Contact tip M8 E-Cu; Ø 1.4 (10x30)	10 pcs	140.0533		
90	Contact tip M8 E-Cu; Ø 1.6 (10x30)	10 pcs	140.0587		
90	Contact tip M8 CuCrZr; Ø 1.0 (10x30)	10 pcs	140.0316		
90	Contact tip M8 CuCrZr; Ø 1.2 (10x30)	10 pcs	140.0445	•	
90	Contact tip M8 CuCrZr; Ø 1.4 (10x30)	10 pcs	140.0536		
90	Contact tip M8 CuCrZr; Ø 1.6 (10x30)	10 pcs	140.0590		
90	Contact tip M8 E-Cu; Ø 1.0 for Al wire (10x30)	10 pcs	141.0008		
90	Contact tip M8 E-Cu; Ø 1.2 for Al wire (10x30)	10 pcs	141.0015		
90	Contact tip M8 E-Cu; Ø 1.4 for Al wire (10x30)	10 pcs	141.0055		
90	Contact tip M8 E-Cu; Ø 1.6 for Al wire (10x30)	10 pcs	141.0022		
90	Contact tip M8 CuCrZr silver plated; Ø 1.0 (10x30)	10 pcs	147.0316		
90	Contact tip M8 CuCrZr silver plated; Ø 1.2 (10x30)	10 pcs	147.0445		
90	Contact tip M8 CuCrZr silver plated; Ø 1.4 (10x30)	10 pcs	147.0536		
90	Contact tip M8 CuCrZr silver plated; Ø 1.6 (10x30)	10 pcs	147.0590		
100	Gas nozzle R22x1/8; DN 14 galvanized; conical L=66mm cpl.	5 pcs	145.0741.5		
101	Gas nozzle R22x1/8; DN 16 galvanized; conical L=66mm cpl.	5 pcs	145.0735.5	•	
102	Gas nozzle R22x1/8; DN 20 galvanized; cylindrical L=66mm cpl.	5 pcs	145.0742.5		

