

Push-Pull Welding Torch PP 24 D/26 D/36 D air cooled



BINZEL. The right welding torch for every job!

BINZEL 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.

Thanks to a supplementary pull motor in the handle, PUSH-PULL welding torches guarantee constant and problem-free wire feeding. Push-pull guns are ideally suited for hard-to-feed wire like aluminium, thin wire and for extended cable assemblies that allow welding at longer distances from the wire

Technical data (EN 50 078):

PP 24 D / PP 26 D / PP 36 D

Rating: 250 A / 230 A / 300 A CO₂
220 A / 200 A / 270 A
Mixed Gases M 21 (DIN EN 439)
35% / 35% / 60% Duty Cycle

Wire sizes: 0.8 - 1.2

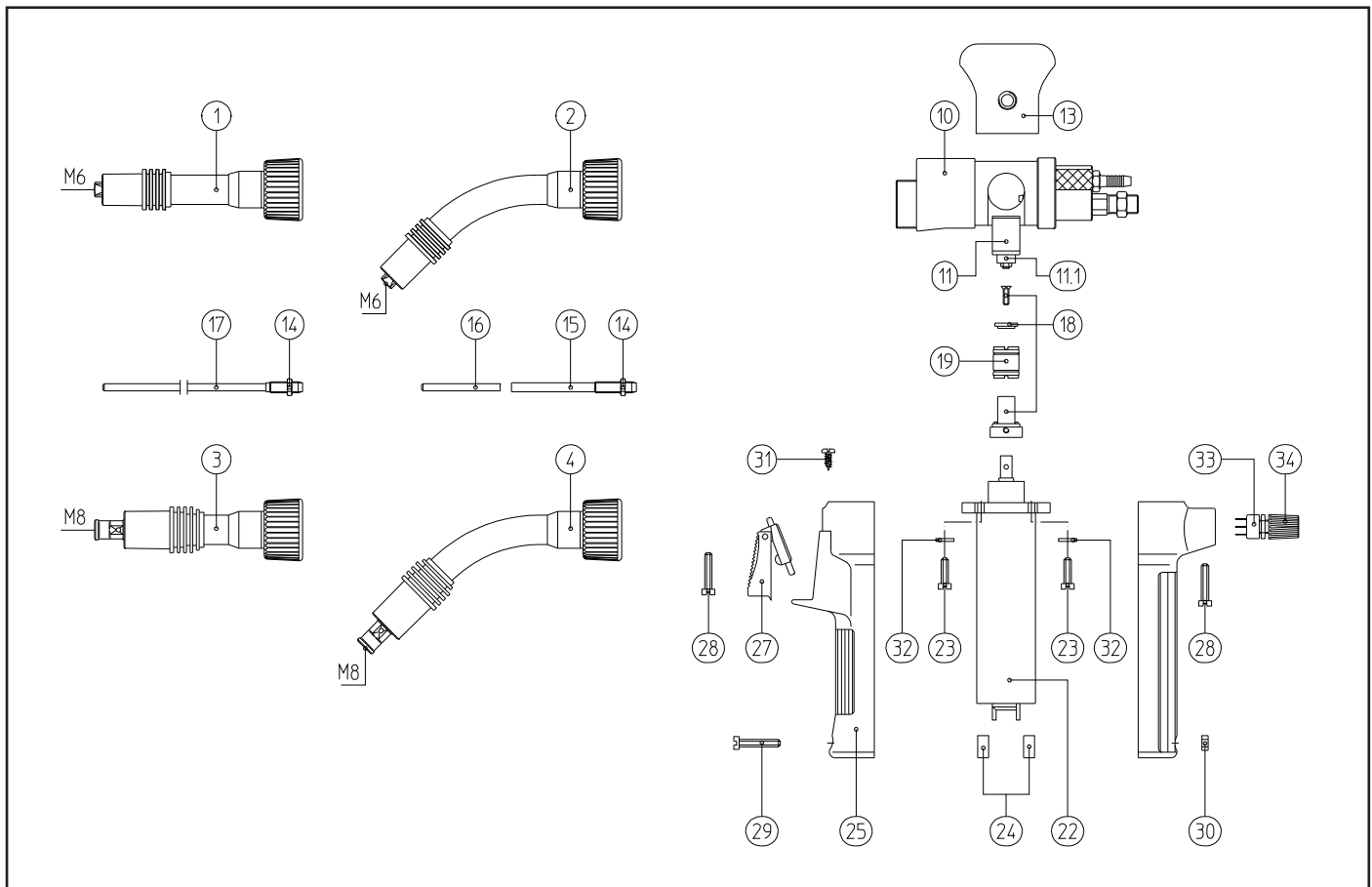
drive unit. PUSH-PULL torches have become the industry standard in shipbuilding, container and tank manufacture, and are also used extensively in the construction of automobiles, railroad cars and rolling stock.

Rated using power source with VDE standard volt/amp characteristic (U=14+0,05xl). When pulse welding, reduce rating by 35%.

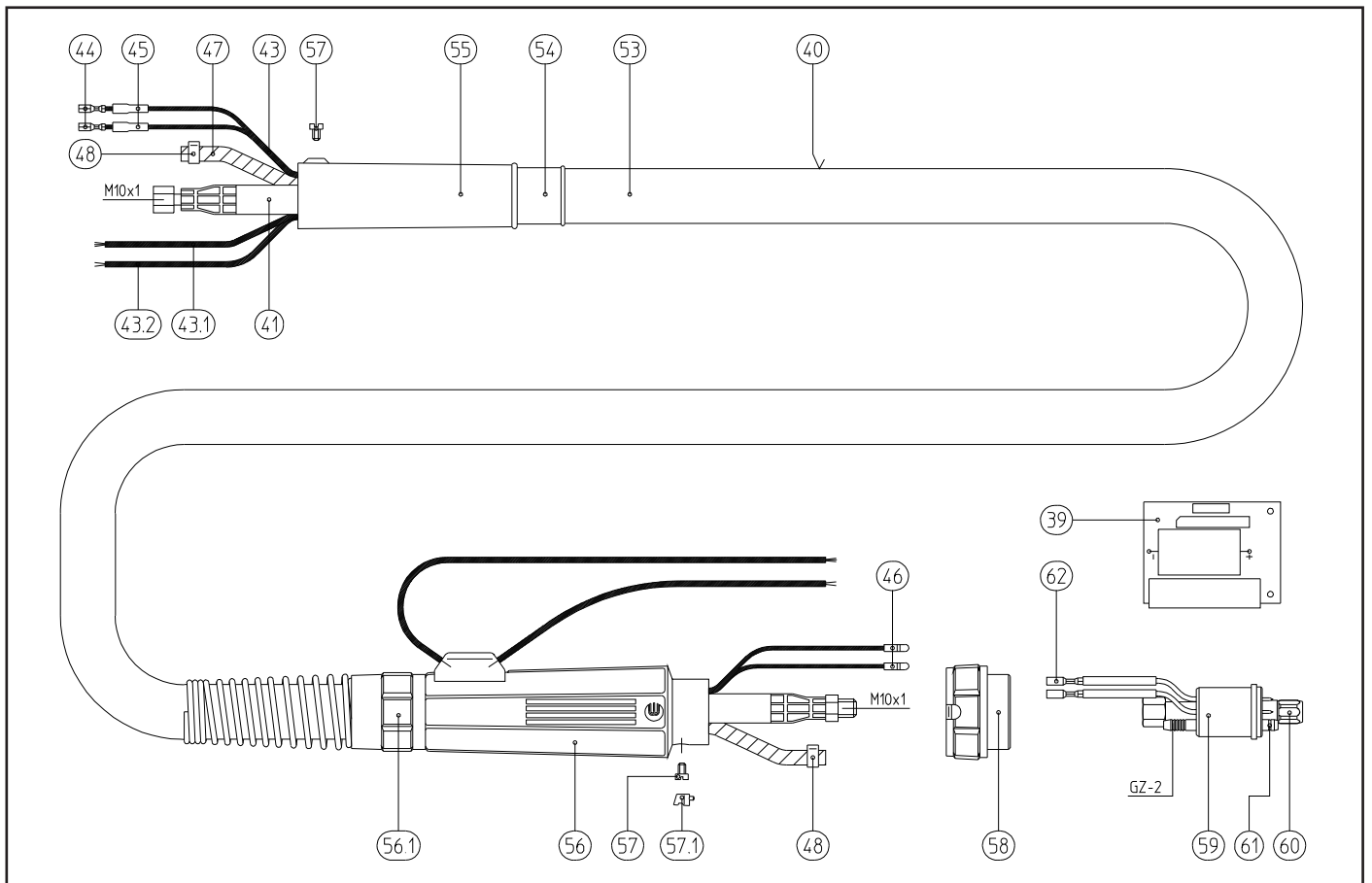
Type	Version	Motor	Cable length	Part no.
PP 24 D	straight	42 V	8.00 m	082.0011
	45° bent	42 V	8.00 m	082.0014
PP 26 D	straight	42 V	8.00 m	081.0033
	45° bent	42 V	8.00 m	081.0035
PP 36 D	straight	42 V	8.00 m	083.0014
	45° bent	42 V	8.00 m	083.0017

Welding & cutting brought to the point.

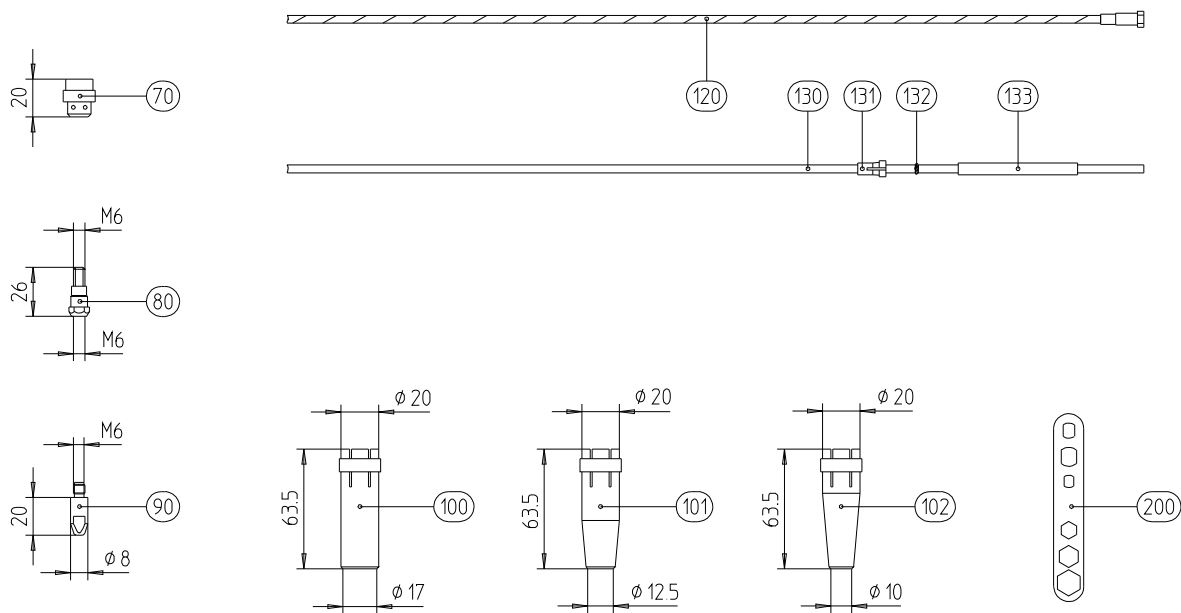




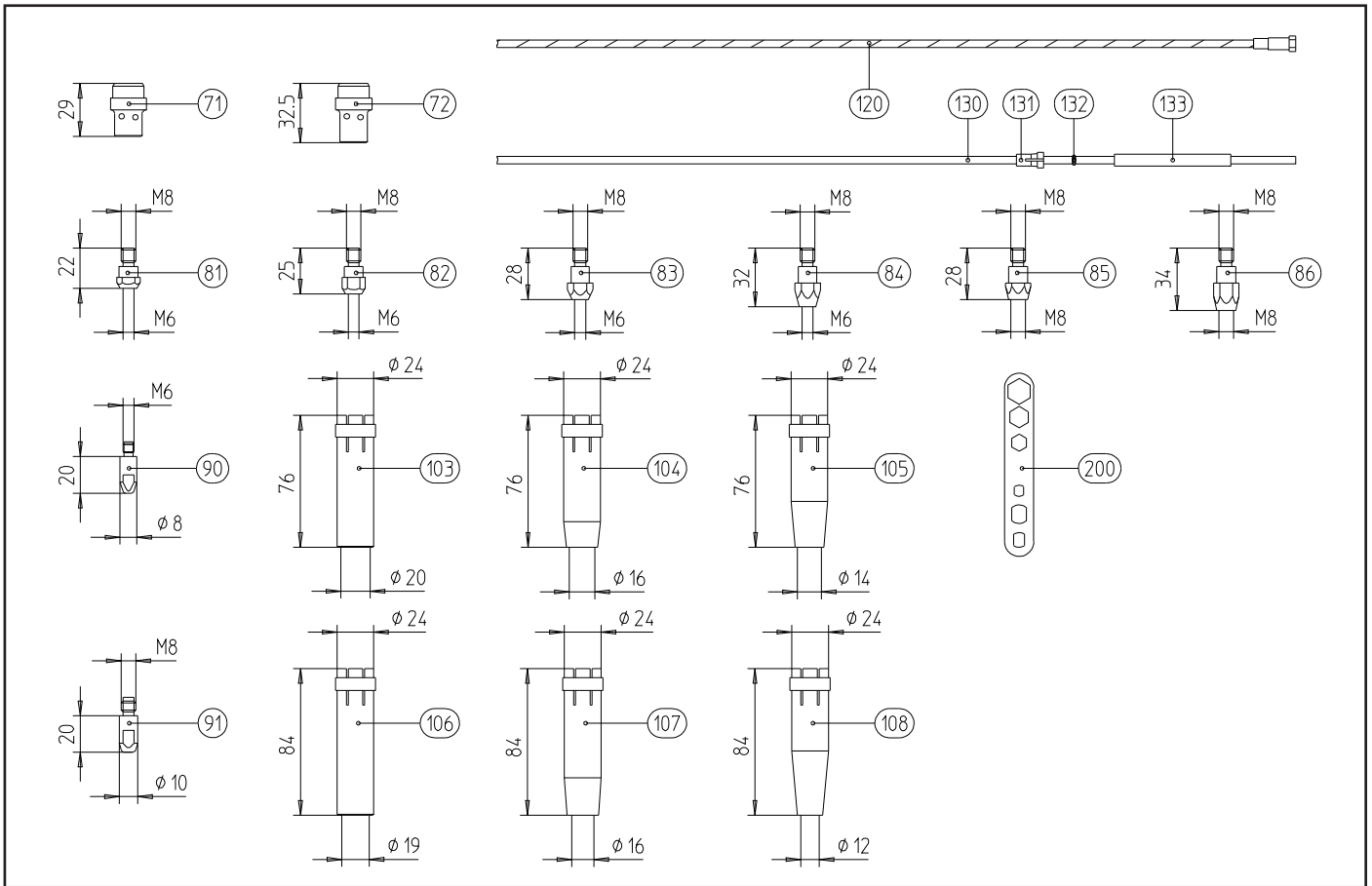
Build group	Pos.	Description	Specifications	Part no.
Swan neck	1	Straight neck PP 24 D		082.0001
	2	Swan neck PP 24 D, 45° bent		012.0038
	3	Straight neck PP 26/36 D		081.0002
	4	Swan neck PP 26/36 D, 45° bent		014.0095
Torch body, gear motor and accessories	10	Torch body PPL cpl.		081.0003
	11	Idler arm cpl.		080.0007
	11.1	Pressure roll		080.0042
	13	Drive roll cap cpl.		080.0003
		Pressure spring		080.0032
		Ball		080.0043
		Drive roll cap		080.0005
		Knob for drive roll cap		080.0006
	14	Lock nut M6	20 pcs.	081.0018
	15	Wire guide for bent neck 60.0 mm long		081.0016
	16	Brass-liner CuZn 37; 1.8/4.4 (up to wire Ø 1.2)	per meter	120.0018
	17	Wire guide for straight neck 148.0 mm long		081.0017
	18	Drive roll seat cpl.		080.0004
	19	Wire drive roll, for wire Ø 0.8 mm		080.0019
		Wire drive roll, for wire Ø 1.0 mm		080.0021
		Wire drive roll, for wire Ø 1.2 mm		080.0022
	22	Gear motor 42 V with flange for wire drive roll		080.0010
		Gear motor 24 V with flange for wire drive roll		080.0092
		w/o. fig. Transformer prim. 24 V / sec. 36 V		080.0045
		w/o. fig. Transformer prim. 110 V / sec. 36 V		080.0055



Build group	Pos.	Description	Specifications	Part no.
	23	Screw M3x10	20 pcs.	000.0543
	24	Brushes for gear motor		080.0046
Handle	25	Handle		080.0096
	27	Trigger 2 pol.		185.0005
	28	Screw M3x20	20 pcs.	000.0548
	29	Screw M4x25	20 pcs.	000.0560
	30	Hexagon nut M4	20 pcs.	009.0172
	31	Screw 2.9x6.5	20 pcs.	079.0003
	32	Ring	20 pcs.	001.0271
	33	Potentiometer 2.2 K Ω		187.0006
		Potentiometer 4.7 K Ω		187.0003
		Potentiometer 10.0 K Ω		187.0004
	34	Potentiometer knob		400.0108
Circuit board	39	Printed circuit board for 42 V motor		080.0009
Cable assembly	40	Cable assembly, cpl. 8.00 m with 7-pol. control leads without central connector GZ-2		080.0065
		Cable assembly, cpl. 8.00 m with 7-pol. control leads without central connector GZ-2		083.0002
	41	Bikox power cable 8.00 m	B6	153.0054
		Bikox power cable 8.00 m	B7	153.0129
	43	Control cable 2 pol.	per meter	100.0019
	43.1	Control cable 3 pol.	per meter	100.0023



Build group	Pos.	Description	Specifications	Part no.	
Cable assembly	43.2	Control cable 2 pol.	per meter	100.0123	
	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	
	53	Outer cover Ø 25x1.5	per meter	107.0004	
	54	Cable support torch side		400.0189	
	55	Cable support		080.0026	
	56	Cable support machine side		500.0342	
	56.1	Connecting set machine side NW 29		501.2236	
	57	Screw M4x6	20 pcs.	000.0552	
	57.1	Covering cap	20 pcs.	500.0251	
	58	Adaptor nut		500.0213	
	59	Central adaptor block GZ-2		501.0005	
	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 for PP 24 D black	• 10 pcs.	012.0017
			Gas diffuser for PP 24 D white	10 pcs.	012.0183
		71	Gas diffuser for PP 26 D black	Δ 10 pcs.	018.0004
			Gas diffuser for PP 26 D white	10 pcs.	018.0116
72		Gas diffuser for PP 36 D black	+ 10 pcs.	014.0021	
		Gas diffuser for PP 36 D white	10 pcs.	014.0261	



Build group	Pos.	Description	Specifications	Part no.
Wear parts	80	Contact tip holder M6, 26.0 mm for PP 24 D	•	10 pcs. 142.0003
	81	Contact tip holder M6, 22.0 mm (short) for PP 26 D	Δ	10 pcs. 142.0007
	82	Contact tip holder M6, 25.0 mm (long) for PP 26 D		10 pcs. 142.0012
	83	Contact tip holder M6, 28.0 mm (short) for PP 36 D		10 pcs. 142.0005
	84	Contact tip holder M6, 32.0 mm (long) for PP 36 D		10 pcs. 142.0011
	85	Contact tip holder M8, 28.0 mm (short) for PP 36 D	+	10 pcs. 142.0020
	86	Contact tip holder M8, 34.0 mm (long) for PP 36 D		10 pcs. 142.0024
	90	Contact tip M6 E-Cu, Ø 0.8		10 pcs. 140.0051
		Contact tip M6 E-Cu, Ø 1.0	•Δ	10 pcs. 140.0242
		Contact tip M6 E-Cu, Ø 1.2		10 pcs. 140.0379
		Contact tip M6 CuCrZr, Ø 0.8		10 pcs. 140.0054
		Contact tip M6 CuCrZr, Ø 1.0		10 pcs. 140.0245
		Contact tip M6 CuCrZr, Ø 1.2		10 pcs. 140.0382
		Contact tip M6 E-Cu, Ø 0.8 for alu wire		10 pcs. 141.0001
		Contact tip M6 E-Cu, Ø 1.0 for alu wire		10 pcs. 141.0006
		Contact tip M6 E-Cu, Ø 1.2 for alu wire		10 pcs. 141.0010
	91	Contact tip M8 E-Cu, Ø 0.8		10 pcs. 140.0114
		Contact tip M8 E-Cu, Ø 1.0		10 pcs. 140.0313
		Contact tip M8 E-Cu, Ø 1.2	+	10 pcs. 140.0442
		Contact tip M8 CuCrZr, Ø 0.8		10 pcs. 140.0117
		Contact tip M8 CuCrZr, Ø 1.0		10 pcs. 140.0316
		Contact tip M8 CuCrZr, Ø 1.2		10 pcs. 140.0445
		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		10 pcs. 141.0015

Build group	Pos.	Description	Specifications	Part no.
Wear parts	100	Gas nozzle, cylindrical ND Ø 17.0 for PP 24 D	10 pcs.	145.0047
	101	Gas nozzle, conical ND Ø 12.5 for PP 24 D	• 10 pcs.	145.0080
	102	Gas nozzle, tapered ND Ø 10.0 for PP 24 D	10 pcs.	145.0128
	103	Gas nozzle, cylindrical ND Ø 20.0 for PP 26 D	10 pcs.	145.0051
	104	Gas nozzle, conical ND Ø 16.0 for PP 26 D	Δ 10 pcs.	145.0085
	105	Gas nozzle, tapered ND Ø 14.0 for PP 26 D	10 pcs.	145.0132
	106	Gas nozzle, cylindrical ND Ø 19.0 for PP 36 D	10 pcs.	145.0045
	107	Gas nozzle, conical ND Ø 16.0 for PP 36 D	+ 10 pcs.	145.0078
	108	Gas nozzle, tapered ND Ø 12.0 for PP 36 D	10 pcs.	145.0126
	120	Guide spiral liner blank 1.5/4.0 with nipple for wire electrode ¹⁾ Ø 0.6-0.9	for 8.00 m	122.0010
		Guide spiral liner blank 2.0/4.5 with nipple for wire electrode ¹⁾ Ø 1.0-1.2	for 8.00 m	122.0040
	130	Teflon core liner 1.5/4.0 blue with collet and o-ring for wire electrode ²⁾ Ø 0.6-1.0	for 8.00 m	126.0013
		Teflon core liner 2.0/4.0 red with collet and o-ring for wire electrode ²⁾ Ø 1.0-1.4	for 8.00 m	126.0030
		Teflon carbon core liner 1.5/4.0 with collet and o-ring for wire electrode ²⁾ Ø 0.6-1.0	for 8.00 m	127.0015
		Teflon carbon core liner 2.0/4.0 with collet and o-ring for wire electrode ²⁾ Ø 1.0-1.4	for 8.00 m	127.0009
		Polyamid core liner ³⁾ 2.0/4.0 with collet and o-ring for wire electrode ²⁾ Ø 1.0-1.4	• Δ + for 8.00 m	128.0019
	131	Collet for core liner Ø 4.0	20 pcs.	131.0001
	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
		Guide tube for core liners up to Ø 4.0	300 mm	129.0471
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.

• Standard equipment PP 24 D

Δ Standard equipment PP 26 D

+ Standard equipment PP 36 D

When ordering goods sold by the meter, please refer to your dealer for details on roll length.

Welding & cutting brought to the point.



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