20-TW
water-cooled

Different modular switch units available:
single push-button
double push-button
up/down (4 push-buttons)
single push-button
with potentiometer



20F-TW
water-cooled

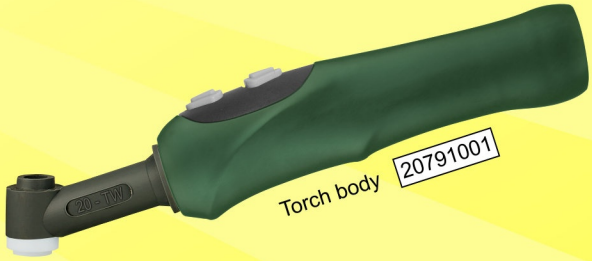
220 Amp./100% duty cycle (DC)
200 Amp./100% duty cycle (AC)

HSN 561

20-TW / 20F-TW

water-cooled

Equipment:
A standard
B gas lens
C gas lens medium size
D gas lens jumbo







O-ring, black ID4,6-W2mm included
20089001



Kir Royal argon nozzle
fits equipment line **B**



20930016
for 1,0 to 3,2

with firmly built-in sieves
for perfect gas circulation

A **B** **C** **D**

Insulator gasket
20089011

Insulator gasket
20089011



Gas lens insulator medium size
20089031



Gas lens insulator jumbo
20089021



Collet L25mm
20□□2502 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**

Collet L25mm
20□□2502 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**



Collet L40mm
20□□4011 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**



Collet L40mm
20□□4011 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**



Collet body
2096□□02 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**



Gas lens
2096□□11 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**



Gas lens medium size
2096□□31 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**



Gas lens jumbo
2096□□21 **for** 1,0/1,6/2,4/3,2
□□ **Please fill in size**



Ceramic nozzle L30mm
for standard collet body
Please state size
Also available in special lengths
L48mm / L63mm / L89mm



Ceramic nozzle L25,5mm
for gas lens
Please state size
Also available in special lengths
L35mm / L72mm



Ceramic nozzle L42mm
for gas lens medium size
Please state size
Also available in special length
L76mm



Ceramic nozzle L48mm
for gas lens jumbo
Please state size

HSN 742-3

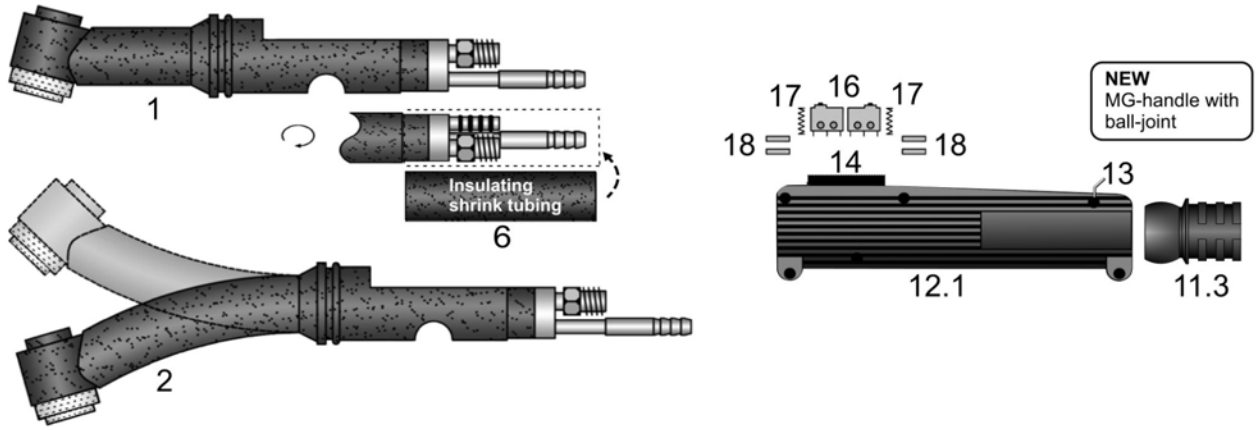
Holch Schweißbrenner

GETESTET EN 60974-7 ISO 9001:2015

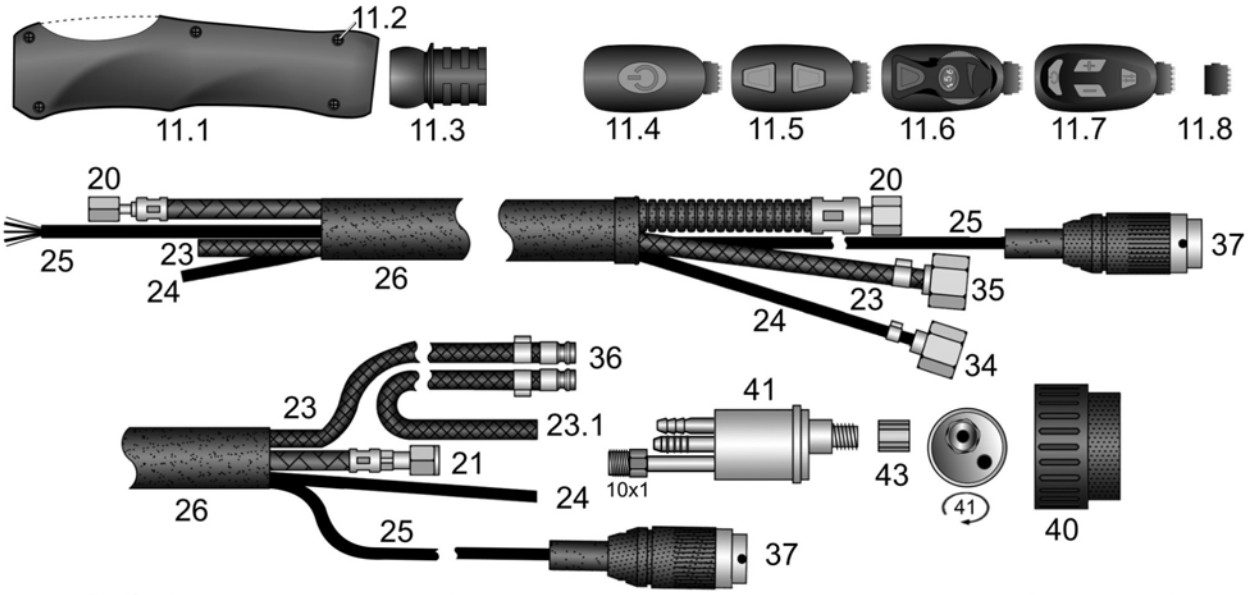
www.holch-siegen.de

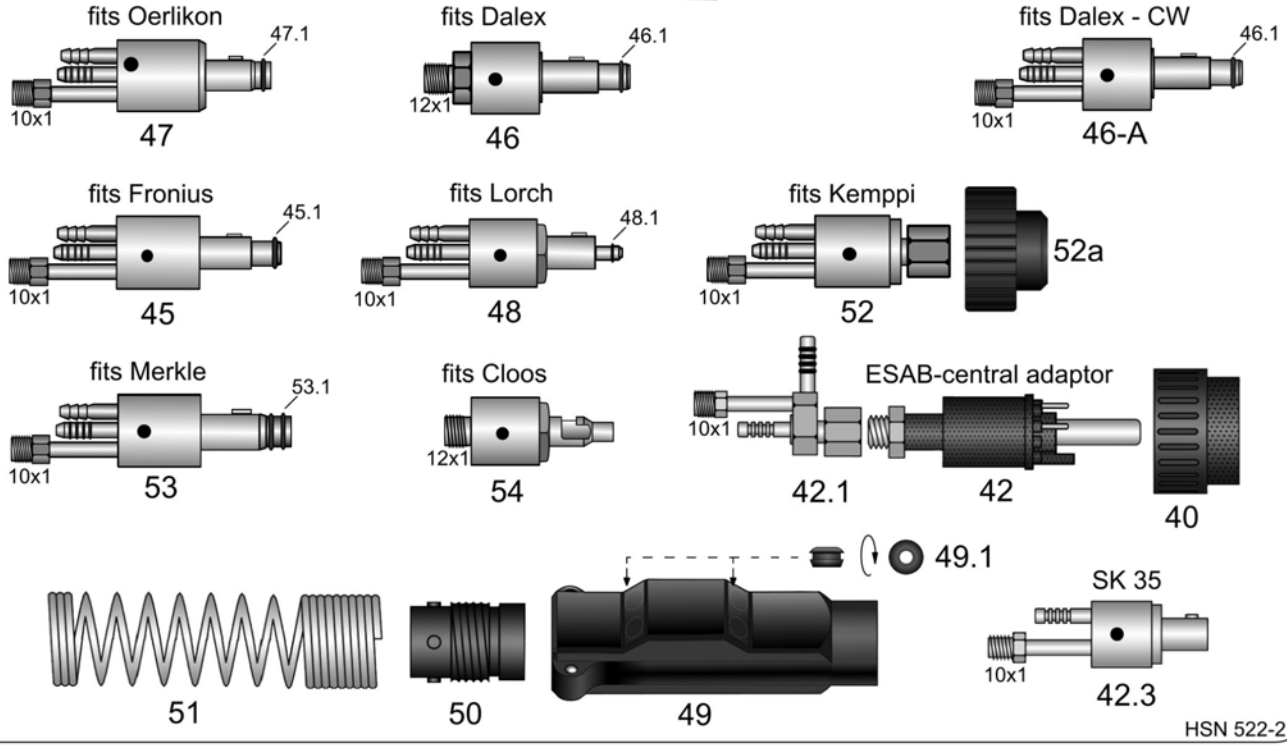
20-TW water-cooled

220 Ampere at 100% duty cycle (DC) - 200 Ampere at 100% duty cycle (AC)

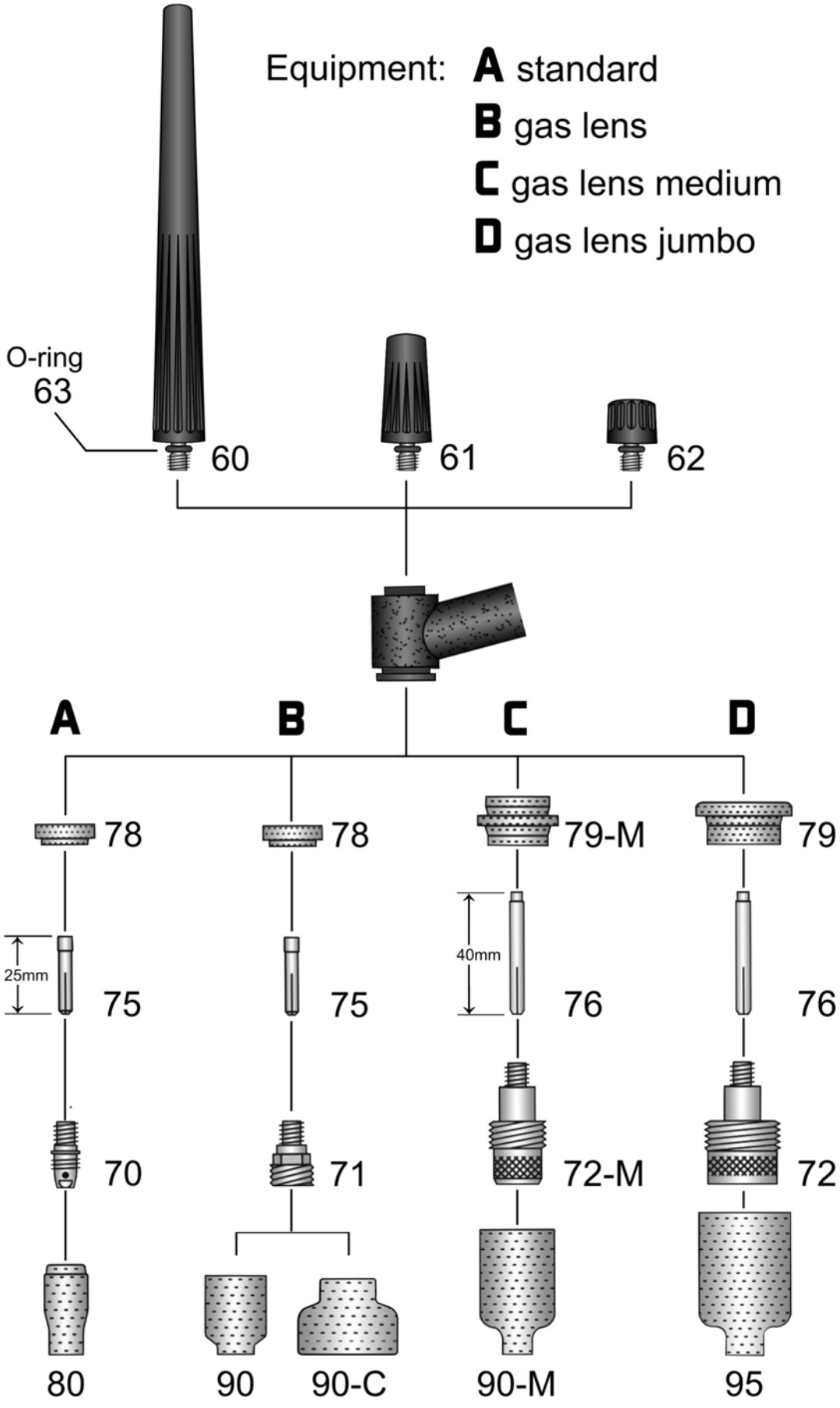


Forma WIG-handle with ball joint - different modular switch units - special switching modules on request





HSN 522-2


Equipment:
A standard
B gas lens
C gas lens medium
D gas lens jumbo
O-ring
63
60
61
62
A
B
C
D
78
78
79-M
79
25mm
40mm
75
75
76
76
70
71
72-M
72
80
90
90-C
90-M
95
HSN 104-1

20-TW

Welding-torch TIG water-cooled

220A at 100% duty cycle (DC) - 200A at 100% duty cycle (AC)

	Art.-No.	
		Torches with first meter leather hose. Machine side separate connections with Tuchel plug.
		In variation to the torches listed below, the torches can also be produced with other power/ water cables (e.g. HT 180 silicone superflexible). This can also be combined with hoses in a lot of different qualities. Torches and cable assemblies can be produced in excess lengths. Please find the different options and surcharges in the attachment "Custom made products" appendix C. We produce torches for more than 40 different brands of machines with different connection systems.
	20700401	**Torch 20-TW / 4m 6mm² cable assembly ST 80 PVC-NIT**
	20700801	**Torch 20-TW / 8m 6mm² cable assembly ST 80 PVC-NIT**
	20710401	**Torch 20-TW-SUPER / 4m 10mm² cable assembly ST 80 PVC-NIT**
	20710801	**Torch 20-TW-SUPER / 8m 10mm² cable assembly ST 80 PVC-NIT**
	20800401	**FLEX-torch 20F-TW / 4m 6mm² neck flexible cable assembly ST 80 PVC-NIT**
	20800801	**FLEX-torch 20F-TW / 8m 6mm² neck flexible cable assembly ST 80 PVC-NIT**
	20810401	**FLEX-torch 20F-TW-SUPER / 4m 10mm² neck flexible cable assembly ST 80 PVC-NIT**
	20810801	**FLEX-torch 20F-TW-SUPER / 8m 10mm² neck flexible cable assembly ST 80 PVC-NIT**
		The following torches are equipped with very flexible and heat resistant HT110 rubber fabric hoses.
	2070040P	**Torch 20-TW-PLUS / 4m 6mm² cable assembly HT 110**
	2070080P	**Torch 20-TW-PLUS / 8m 6mm² cable assembly HT 110**
	2071040P	**Torch 20-TW-SUPER-PLUS / 4m 10mm² cable assembly HT 110**
	2071080P	**Torch 20-TW-SUPER-PLUS / 8m 10mm² cable assembly HT 110**
	2080040P	**FLEX-torch 20F-TW-PLUS / 4m 6mm² neck flexible cable assembly HT 110**
	2080080P	**FLEX-torch 20F-TW-PLUS / 8m 6mm² neck flexible cable assembly HT 110**
	2081040P	**FLEX-torch 20F-TW-SUPER-PLUS / 4m 10mm² neck flexible cable assembly HT 110**
	2081080P	**FLEX-torch 20F-TW-SUPER-PLUS / 8m 10mm² neck flexible cable assembly HT 110**
		TIG-spare cable assemblies in different qualities, machine side with separate connections and Tuchel plug, or, if ordered so, with the following connection systems:
	wig92402	**TIG-spare cable assembly water-cooled 4m - please state desired design!**
	wig92802	**TIG-spare cable assembly water-cooled 8m - please state desired design!**
		The following surcharges for machine side connections are only to find prices quickly. Please use our catalogue "TIG machine side connections" to find a "T"number which identifies a machine side connection system completely.
	29002102	**Surcharge: machine side power/water plug SK35 bayonet connection AD13mm**
	29000201	**Surcharge: machine side with EURO central adapter**
	29002109	**Surcharge: machine side power/water plug fits Merkle with 2 O-rings**
	29002106	**Surcharge: machine side power/water plug fits Fronius with 1 O-ring**
	29002101	**Surcharge: machine side power/water plug fits Dalex with 1 O-ring**
	29002108	**Surcharge: machine side power/water plug fits Oerlikon with 1 O-ring**
	29002104	**Surcharge: machine side power/water plug fits Lorch SK35 + gas-nipple**
	29002105	**Surcharge: machine side power/water plug fits Kemppi IT-G1/4"**
	29002110	**Surcharge: machine side power/water plug fits Cloos**
	29000212	**Surcharge: machine side fits ESAB central adapter, 4 pins installed at position 3,4,5,6**
		Please note that there might be additional charges for special control line plugs. See appendix D.
1	**20791001**	**Torch body 20-TW**

20-TW

Welding-torch TIG water-cooled

220A at 100% duty cycle (DC) - 200A at 100% duty cycle (AC)

	Art.-No.	
2	**20891001**	**Torch body 20F-TW neck flexible (FLEX)**
6	**18050002**	**Ignition insulating hose L75mm / ID32mm down to ID16mm**
11.1	**91914601**	**Forma TIG handle with screws, ball joint, without modular switch unit**
11.2	**91914602**	**Forma screw for handle**
11.3	**91914603**	**Forma hose bracket with ball joint ID21,5mm (also fits MG-handle)**
11.4	**91914611**	**Forma modular switch unit: 1 button with connecting adapter**
11.5	**91914621**	**Forma modular switch unit: 2 buttons with connecting adapter**
11.6	**91914631**	**Forma modular switch unit: 1 button + potentiometer (10k) with connecting adapter**
11.7	**91914641**	**Forma modular switch unit: 2 buttons + up/down (4 switches) with connecting adapter**
11.8	**91914651**	**Forma connecting adapter fits control line to modular switch unit**
N.i.	**91914661**	**Forma switch module safety nipple**
N.i.	**91914671**	**TW-steadying adapter, anti turn locking for TW-torch bodies**
12.1	**91914061**	**MG-handle with ball joint, push-button, 2 return springs, 2 microswitches and 4 cylindrical pins**
13	**91914421**	**MG-tapping screw**
14	**91915002**	**MG-push button**
16	**91914121**	**MG-microswitch**
17	**91914221**	**MG-return spring**
18	**91914321**	**MG-cylindrical pin**
		Please state the machine side connection for the following power/ water cables. For 4m long torches:
20	**20942401**	**ST 80 PVC-NIT power/water cable 6mm² 20-TW / 4m**
20	**20942403**	**HT 110 rubber fabric hose power/water cable 6mm² 20-TW / 4m**
20	**20942405**	**HT 130 TPE power/water cable 6mm² 20-TW / 4m**
20	**20942408**	**HT 180 silicone super flexible power/water cable 6mm² 20-TW / 4m**
20	**12942401**	**ST 80 PVC-NIT power/water cable 10mm² 12/18/20-TW / 4m**
20	**12942403**	**HT 110 rubber fabric hose power/water cable 10mm² 12/18/20-TW / 4m**
20	**12942405**	**HT 130 TPE power/water cable 10mm² 12/18/20-TW / 4m**
20	**12942408**	**HT 180 silicone super flexible power/water cable 10mm² 12/18/20-TW / 4m**
		For 8m long torches:
20	**20942801**	**ST 80 PVC-NIT power/water cable 6mm² 20-TW / 8m**
20	**20942803**	**HT 110 rubber fabric hose power/water cable 6mm² 20-TW / 8m**
20	**20942805**	**HT 130 TPE power/water cable 6mm² 20-TW / 8m**
20	**20942808**	**HT 180 silicone super flexible power/water cable 6mm² 20-TW / 8m**
20	**12942801**	**ST 80 PVC-NIT power/water cable 10mm² 12/18/20-TW / 8m**
20	**12942803**	**HT 110 Rubber fabric hose power/water cable 10mm² 12/18/20-TW / 8m**
20	**12942805**	**HT 130 TPE power/water cable 10mm² 12/18/20-TW / 8m**
20	**12942808**	**HT 180 silicone super flexible power/water cable 10mm² 12/18/20-TW / 8m**
		The following power/ water cables are produced with M10x1 inner thread at the machine side for EURO central adapters. (fits to all Holch connection systems with outher thread M10x1). For 4m long torches:
21	**20942411**	**ST 80 PVC-NIT power/water cable 6mm² 20-TW / 4m**
21	**20942413**	**HT 110 rubber fabric hose power/water cable 6mm² 20-TW / 4m**
21	**20942415**	**HT 130 TPE power/water cable 6mm² 20-TW / 4m**
21	**20942418**	**HT 180 silicone super flexible power/water cable 6mm² 20-TW / 4m**
21	**12942411**	**ST 80 PVC-NIT power/water cable 10mm² 12/18/20-TW / 4m**

20-TW

Welding-torch TIG water-cooled

220A at 100% duty cycle (DC) - 200A at 100% duty cycle (AC)

	Art.-No.	
21	**12942413**	**HT 110 rubber fabric hose power/water cable 10mm² 12/18/20-TW / 4m**
21	**12942415**	**HT 130 TPE power/water cable 10mm² 12/18/20-TW / 4m**
21	**12942418**	**HT 180 silicone super flexible power/water cable 10mm² 12/18/20-TW / 4m**
		For 8m long torches:
21	**20942811**	**ST 80 PVC-NIT power/water cable 6mm² 20-TW / 8m**
21	**20942813**	**HT 110 rubber fabric hose power/water cable 6mm² 20-TW / 8m**
21	**20942815**	**HT 130 TPE power/water cable 6mm² 20-TW / 8m**
21	**20942818**	**HT 180 silicone super flexible power/water cable 6mm² 20-TW / 8m**
21	**12942811**	**ST 80 PVC-NIT power/water cable 10mm² 12/18/20-TW / 8m**
21	**12942813**	**HT 110 rubber fabric hose power/water cable 10mm² 12/18/20-TW / 8m**
21	**12942815**	**HT 130 TPE power/water cable 10mm² 12/18/20-TW / 8m**
21	**12942818**	**HT 180 silicone super flexible power/water cable 10mm² 12/18/20-TW / 8m**
		Reel goods: Prices are per meter and only applicable for purchasing of complete rolls
23	**50150001**	**Meter ST 80 PVC-NIT fabric hose ID5,0-W1,5mm blue for water (100m)**
23	**51700002**	**Meter HT 110 rubber fabric hose ID5,0-W1,7mm blue for water (150m)**
23.1	**50151001**	**Meter ST 80 PVC-NIT fabric hose ID5,0-W1,5mm red for water (100m)**
23.1	**51700003**	**Meter HT 110 rubber fabric hose ID5,0-W1,7mm red for water (150m)**
24	**31000001**	**Meter ST 70 PVC hose ID3,0-W1,0mm black for gas (100m)**
24	**31200002**	**Meter HT 130 TPE hose ID3-W1,2mm yellow for gas (100m)**
N.i.	**91902701**	**Meter control line 3x0,34mm² shielded black (100m)**
N.i.	**91902711**	**Meter control line 3x0,5mm² green (100m)**
25	**91902721**	**Meter control line 5x0,25mm² grey (100m)**
26	**20150002**	**Meter neoprene protective hose ID20mm black (40m)**
26	**22150002**	**Meter neoprene protective hose ID22mm black (40m)**
N.i.	**91915004**	**Leather protective hose ID22mm / 1 meter long**
N.i.	**91915007**	**Leather protective hose ID22mm / 1 meter long with ball joint and hose connector**
N.i.	**91915013**	**Hose connector leather protective hose / protection hose ID22,5mm (black) with slot, OD with grooves**
34	**91901501**	**Coupling nut IT-G1/4"**
N.i.	**91901211**	**Hose connector 4mm fits coupling nut R1/4""**
35	**91901601**	**Coupling nut IT-G3/8"**
N.i.	**91901301**	**Hose connector 5mm fits Coupling nut R3/8"**
36	**91901001**	**Cooling liquid plug nipples EURO**
N.i.	**91901008**	**Closing cap blue fits cooling liquid plug nipples EURO**
N.i.	**91901009**	**Closing cap red fits cooling liquid plug nipples EURO**
37	**91904101**	**Plug 3-poles Tuchel with bayonet-catch**
37	**91904111**	**Plug 5-poles Tuchel with bayonet-catch**
		More control line plugs see appendix D
40	**91900701**	**Terminal nut insulated fits EURO central adapter**
41	**91900211**	**TIG central adapter EURO central adapter water cooled**
42	**91900301**	**TIG central adapter identical ESAB, 4 contact pins at position 3,4,5,6**
42.1	**91918571**	**TIG power/cooling liquid junction fits ESAB central adapter**
42.3	**91918312**	**TIG central adapter SK-35 bayonet connection AD13mm**
43	**91900901**	**Swivel nut IT-M10x1 (rounded edges) fits EURO central adapter**

20-TW

Welding-torch TIG water-cooled

220A at 100% duty cycle (DC) - 200A at 100% duty cycle (AC)

	Art.-No.	
45	**91918327**	**Power/water plug fits Fronius with 1 O-ring (OT-M10x1 / like EURO central adapter)**
45.1	**62190001**	**O-ring ID6,2-W1,9mm fits Fronius**
46	**9190417e**	**Power/water plug fits Dalex (1 O-ring) (OT-12x1)**
46-A	**9190418n**	**Power-/gasplug fits Dalex with waterdeviation to outside, CW-System with 1 O-ring**
46.1	**63240001**	**O-ring ID6,3-W2,4mm fits Dalex**
47	**9190423n**	**Power/water plug fits Oerlikon with 1 O-ring (OT-M10x1 / like EURO central adapter)**
47.1	**60717801**	**O-ring ID6,07-W1,78mm fits Oerlikon**
48	**9190420n**	**Power/water plug fits Lorch SK35 + gas-nipple (OT-10x1 / like EURO central adapter)**
48.1	**91900801**	**O-ring ID4-W1mm fits gas-nipple EURO central adapter**
o.A	**91900552**	**TIG cable support long (like MIG-MAG) with screws fits ESAB central adapter**
N.i.	**91900554**	**Attachment screw M4x8mm fits ESAB central adapter**
49	**91900557**	**TIG cable support short with screws (fits water-cooled)**
N.i.	**91920702**	**Screw M3x11,5mm fits Ratio/Industry/RAUCH handle and cable support**
N.i.	**91920703**	**M3 mounting socket fits Ratio/Industry/RAUCH handle and cable support**
o.A.	**91900602**	**Screw M4x6mm fits TIG cable support short**
49.1	**91901012**	**Reduction-eyelet (rubber) from ID10,5mm to ID5mm fits TIG cable support short**
N.i.	**91921701**	**PUR hose ID8,5-W1,0mm 150mm long fits leading water hoses into cable support**
50	**91912801**	**Spring-socket fits cable support**
51	**91912601**	**Cable support spring**
52	**9190419n**	**Power/water plug fits Kemppi IT-G1/4" (AG-M10x1 / like EURO central adapter)**
52a	**91903503**	**Insulating sleeve with inner hexagonal shape A/F17 for TIG power-connection IT-G1/4"**
53	**9190424n**	**Power/water plug fits Merkle with 2 O-rings (OT-M10x1 / like EURO central adapter)**
53.1	**81600001**	**O-ring ID8-W1,6mm fits Lorch/Merkle**
54	**9190415n**	**Powerplug fits Cloos (special-plug) (OT-12x1)**
60	**20091321**	**Holch back cap long 9-20 41V24/41V24-D**
61	**20091311**	**Holch back cap medium 9-20 41V35/41V35-D**
62	**20091301**	**Holch back cap short 9-20 41V33/41V33-D**
63	**20089001**	**O-ring ID4,6-W2mm for back cap black**
70	**20961002**	**Collet body 9-20 / 1,0 13N26**
70	**20961602**	**Collet body 9-20 / 1,6 13N27**
70	**20962402**	**Collet body 9-20 / 2,4 13N28**
70	**20963202**	**Collet body 9-20 / 3,2 13N29**
71	**20961011**	**Gas lens 9-20 / 1,0 45V42**
71	**20961611**	**Gas lens 9-20 / 1,6 45V43**
71	**20962411**	**Gas lens 9-20 / 2,4 45V44**
71	**20963211**	**Gas lens 9-20 / 3,2 45V45**
72-M	**20961031**	**Gas lens medium 9-20 / 1,0**
72-M	**20961631**	**Gas lens medium 9-20 / 1,6**
72-M	**20962431**	**Gas lens medium 9-20 / 2,4**
72-M	**20963231**	**Gas lens medium 9-20 / 3,2**
72	**20961021**	**Jumbo-Gas lens 9-20 / 1,0 45V0204S**
72	**20961621**	**Jumbo-Gas lens 9-20 / 1,6 45V116S**
72	**20962421**	**Jumbo-Gas lens 9-20 / 2,4 45V64S**
72	**20963221**	**Jumbo-Gas lens 9-20 / 3,2 995795S**

Welding-torch TIG water-cooled

220A at 100% duty cycle (DC) - 200A at 100% duty cycle (AC)

	Art.-No.	
		Brazen collets L-25mm suitable equipment line (A) standard collet body suitable equipment line (B) gas lens
75	**20102502**	**Collet L25mm 9-20 / 1,0 13N21**
75	**20162502**	**Collet L25mm 9-20 / 1,6 13N22**
75	**20242502**	**Collet L25mm 9-20 / 2,4 13N23**
75	**20322502**	**Collet L25mm 9-20 / 3,2 13N24**
		Brazen collets L-40mm suitable equipment line (C) gas lens midsize suitable equipment line (D) gas lens jumbo
76	**20104011**	**Collet L40mm 9-20 / 1,0 13N21L**
76	**20164011**	**Collet L40mm 9-20 / 1,6 13N22L**
76	**20244011**	**Collet L40mm 9-20 / 2,4 13N23L**
76	**20324011**	**Collet L40mm 9-20 / 3,2 13N24L**
78	**20089011**	**PTFE-isolator gasket 9-20**
79-M	**20089031**	**PTFE-gas lens isolator medium 9-20**
79	**20089021**	**PTFE-gas lens isolator Jumbo 9-20 54N63-20**
		Ceramic gas nozzles in different lengths suitable equipment line (A) standard collet body
80	**20930401**	**Ceramic gas nozzle L30mm / Gr. 4 13N08 (pu= 10pieces)**
80	**20930501**	**Ceramic gas nozzle L30mm / Gr. 5 13N09 (pu= 10pieces)**
80	**20930601**	**Ceramic gas nozzle L30mm / Gr. 6 13N10 (pu= 10pieces)**
80	**20930701**	**Ceramic gas nozzle L30mm / Gr. 7 13N11 (pu= 10pieces)**
80	**20930801**	**Ceramic gas nozzle L30mm / Gr. 8 13N12 (pu= 10pieces)**
80	**20930101**	**Ceramic gas nozzle L30mm / Gr.10 13N13 (pu= 10pieces)**
N.i.	**20930304**	**Ceramic gas nozzle L48mm / Gr. 3 796F70 (pu= 10pieces)**
N.i.	**20930404**	**Ceramic gas nozzle L48mm / Gr. 4 796F71 (pu= 10pieces)**
N.i.	**20930504**	**Ceramic gas nozzle L48mm / Gr. 5 796F72 (pu= 10pieces)**
o.A	**20930604**	**Ceramic gas nozzle L48mm / Gr. 6 796F73 (pu= 10pieces)**
N.i.	**20930306**	**Ceramic gas nozzle L63mm / Gr. 3 796F74 (pu= 10pieces)**
N.i.	**20930406**	**Ceramic gas nozzle L63mm / Gr. 4 796F75 (pu= 10pieces)**
N.i.	**20930506**	**Ceramic gas nozzle L63mm / Gr. 5 796F76 (pu= 10pieces)**
N.i.	**20930606**	**Ceramic gas nozzle L63mm / Gr. 6 796F77 (pu= 10pieces)**
N.i.	**20930408**	**Ceramic gas nozzle L89mm / Gr. 4 796F79 (pu= 10pieces)**
		Ceramic gas nozzles in different lengths suitable equipment line (B) gas lens
90	**20931401**	**Ceramic gas nozzle for gas lens L25,5mm 9-20 / Gr.4 53N58 (pu= 10pieces)**
90	**20931501**	**Ceramic gas nozzle for gas lens L25,5mm 9-20 / Gr.5 53N59 (pu= 10pieces)**
90	**20931601**	**Ceramic gas nozzle for gas lens L25,5mm 9-20 / Gr.6 53N60 (pu= 10pieces)**
90	**20931701**	**Ceramic gas nozzle for gas lens L25,5mm 9-20 / Gr.7 53N61 (pu= 10pieces)**
90	**20931801**	**Ceramic gas nozzle for gas lens L25,5mm 9-20 / Gr.8 53N61-S (pu= 10pieces)**
N.i.	**20931404**	**Ceramic gas nozzle for gas lens L35mm 9-20 / Gr.4 53N58L (pu= 10pieces)**
N.i.	**20931504**	**Ceramic gas nozzle for gas lens L35mm 9-20 / Gr.5 53N59L (pu= 10pieces)**
N.i.	**20931604**	**Ceramic gas nozzle for gas lens L35mm 9-20 / Gr.6 53N60L (pu= 10pieces)**

20-TW

Welding-torch TIG water-cooled

220A at 100% duty cycle (DC) - 200A at 100% duty cycle (AC)

	Art.-No.	
N.i.	**20931704**	**Ceramic gas nozzle for gas lens L35mm 9-20 / Gr.7 53N61L (pu=10pieces)**
N.i.	**20931406**	**Ceramic gas nozzle for gas lens L72mm 9-20 / Gr.4 53N58XL (pu=10pieces)**
N.i.	**20931506**	**Ceramic gas nozzle for gas lens L72mm 9-20 / Gr.5 53N59XL (pu=10pieces)**
N.i.	**20931606**	**Ceramic gas nozzle for gas lens L72mm 9-20 / Gr.6 53N60XL (pu=10pieces)**
N.i.	**20931706**	**Ceramic gas nozzle for gas lens L72mm 9-20 / Gr.7 53N61XL (pu=10pieces)**
N.i.	**20931806**	**Ceramic gas nozzle for gas lens L72mm 9-20 / Gr.8 53N61SXL (pu=10pieces)**
90-C	**20930016**	**Ceramic nozzle for gas lens Kir Royal 9-20 / fits tuncsten electrode up to 3,2mm**
		Ceramic gas nozzles in different lengths suitable equipment line (C) midsize gas lens
90-M	**22093041**	**Gas nozzle for gas lens L42mm / Gr.4 54N18 (pu=10pieces)**
90-M	**22093051**	**Gas nozzle for gas lens L42mm / Gr.5 54N17 (pu=10pieces)**
90-M	**22093061**	**Gas nozzle for gas lens L42mm / Gr.6 54N16 (pu=10pieces)**
90-M	**22093071**	**Gas nozzle for gas lens L42mm / Gr.7 54N15 (pu=10pieces)**
90-M	**22093081**	**Gas nozzle for gas lens L42mm / Gr.8 54N14 (pu=10pieces)**
90-M	**22093111**	**Gas nozzle for gas lens L42mm / Gr.11 54N19-11 (pu=10pieces)**
90-M	**22093121**	**Gas nozzle for gas lens L42mm / Gr.12 54N19 (pu=10pieces)**
N.i.	**22093054**	**Gas nozzle for gas lens L76mm / Gr.5 54N17L (pu=10pieces)**
N.i.	**22093064**	**Gas nozzle for gas lens L76mm / Gr.6 54N16L (pu=10pieces)**
N.i.	**22093074**	**Gas nozzle for gas lens L76mm / Gr.7 54N15L (pu=10pieces)**
N.i.	**22093084**	**Gas nozzle for gas lens L76mm / Gr.8 54N14L (pu=10pieces)**
		Ceramic gas nozzles jumbo in different lengths suitable eqipment line (D) gas lens jumbo
95	**22093066**	**Jumbo gas nozzle L48mm / Gr.6 57N75 (pu=10pieces)**
95	**22093086**	**Jumbo gas nozzle L48mm / Gr.8 57N74 (pu=10pieces)**
95	**22093106**	**Jumbo gas nozzle L48mm / Gr.10 53N88 (pu=10pieces)**
95	**22093126**	**Jumbo gas nozzle L48mm / Gr.12 53N87 (pu=10pieces)**
N.i.	**22093067**	**Jumbo gas nozzle L73mm / Gr.6 57N75L (pu=10pieces)**
N.i.	**22093087**	**Jumbo gas nozzle L73mm / Gr.8 57N74L (pu=10pieces)**
N.i.	**22093107**	**Jumbo gas nozzle L73mm / Gr.10 53N88L (pu=10pieces)**
N.i.	**22093127**	**Jumbo gas nozzle L73mm / Gr.12 53N87L (pu=10pieces)**
		Top quality tungsten electrodes in 8 different qualities, see appendix A.