AUT 410-S

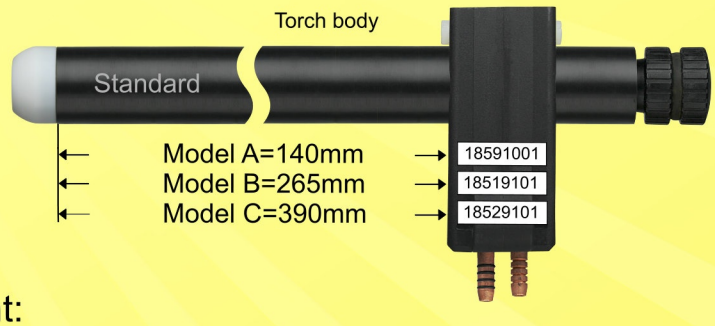
water-cooled

400 Amp./100% duty cycle (DC)
320 Amp./100% duty cycle (AC)

HSN 567

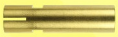
AUT 410-S

water-cooled



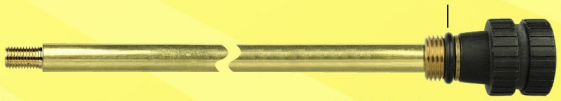
Equipment:

A standard
B gas lens
D gas lens jumbo
E gas lens mini
F standard mini



Electrode fixation
collet-body
17591303

Electrode fixation collet
17□1401 **for** 1,0/1,6/2,4
18□1401 **for** 3,2/4,0
□ **Please fill in size**



O-ring black ID12-W3mm
10089061

AUT- back cap
cap design “A”
17591302

AUT- back cap
cap design “B”
17519131

AUT- back cap
cap design “C”
17529131

Insulator
17289022

A **B** **D** **E** **F**

Gas lens insulator
17089021

Gas lens insulator jumbo
17089031

Collet L52mm
17□5202 **for** 1,0/1,6/2,4
18□5202 **for** 3,2/4,0
□ **Please fill in size**

Collet L52mm
17□5202 **for** 1,0/1,6/2,4
18□5202 **for** 3,2/4,0
□ **Please fill in size**

Collet L52mm
17□5202 **for** 1,0/1,6/2,4
18□5202 **for** 3,2/4,0
□ **Please fill in size**

Collet L31mm
17□3101 **for** 1,0/1,6/2,4
18323101 **for** 3,2
□ **Please fill in size**

Collet L31mm
17□3101 **for** 1,0/1,6/2,4
18323101 **for** 3,2
□ **Please fill in size**

Collet body
1796□02 **for** 1,0/1,6/2,4
1896□02 **for** 3,2/4,0
□ **Please fill in size**

Gas lens
1796□11 **for** 1,0/1,6/2,4
1896□11 **for** 3,2/4,0
□ **Please fill in size**

Gas lens jumbo
1796□21 **for** 1,0/1,6/2,4
1896□21 **for** 3,2/4,0
□ **Please fill in size**

Gas lens mini
1796□31 **for** 1,0/1,6/2,4
18963231 **for** 3,2
□ **Please fill in size**

Collet body mini
1796□03 **for** 1,0/1,6/2,4
18963203 **for** 3,2
□ **Please fill in size**

Ceramic nozzle L47mm
for standard collet body
Please state size
Also available in special length
L76mm

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

Ceramic nozzle L 48mm
for gas lens jumbo
Please state size

Ceramic nozzle L20mm
for gas lens mini
Please state size

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

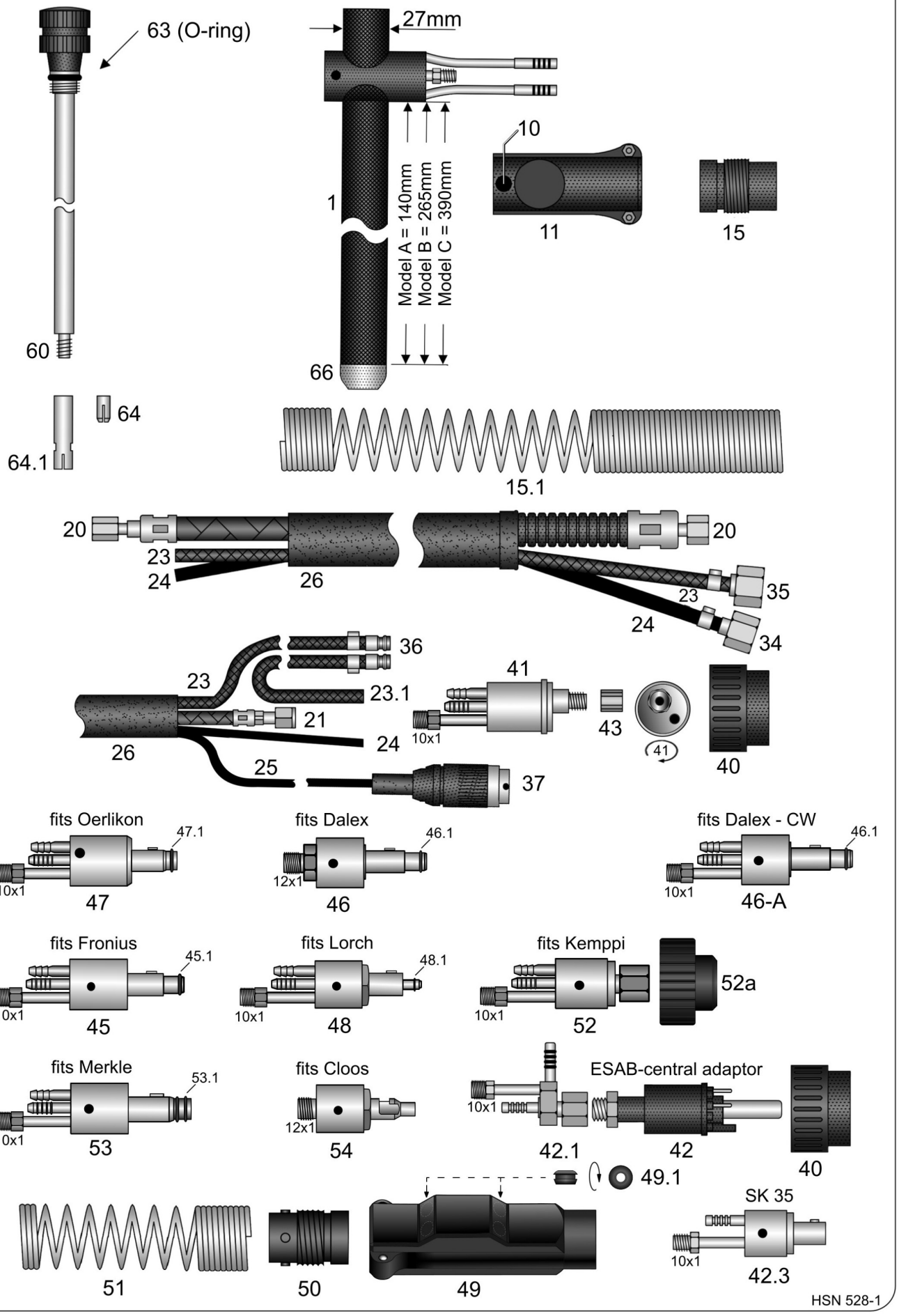
Holch Schweißbrenner

GETESTET EN 60974-7 ISO 9001:2015

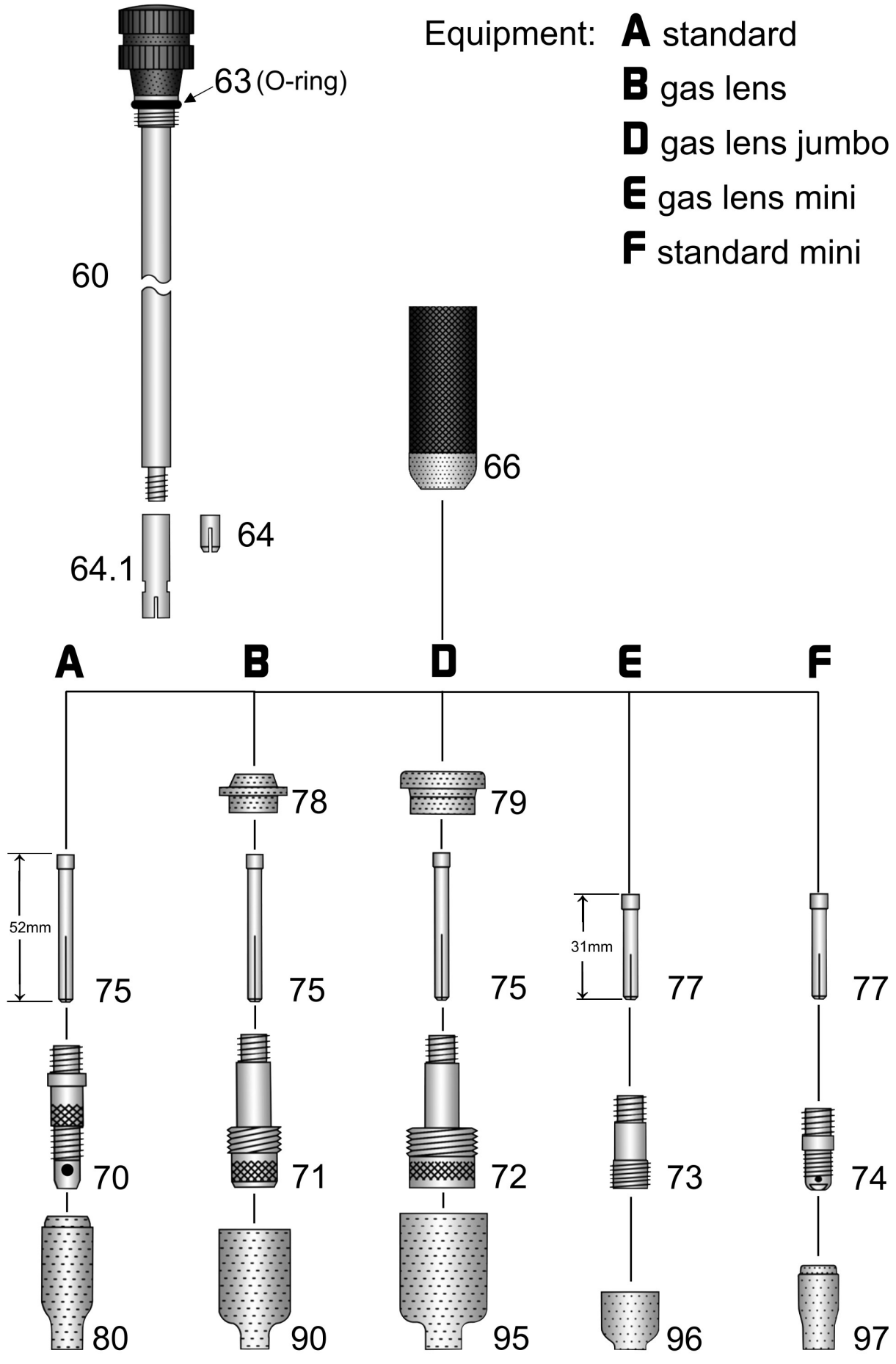
www.holch-siegen.de

AUT 410-S water-cooled

400 Ampere at 100% duty cycle (DC) - 320 Ampere at 100% duty cycle (AC)



AUT 410 - S water-cooled spare parts



AUT 410-S

Welding-torch TIG water-cooled

400A at 100% duty cycle (DC) - 320A at 100% duty cycle (AC)

	Art.-No.	
		Torches without leatherhose. Machine side separate connections.
		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 hose 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.
	18500401	AUTomatic-torch 410-S design "A" / 4m cable assembly ST 80 PVC-NIT
	18510401	AUTomatic-torch 410-S design "B" / 4m cable assembly ST 80 PVC-NIT
	18520401	AUTomatic-torch 410-S design "C" / 4m cable assembly ST 80 PVC-NIT
	18500801	AUTomatic-torch 410-S design "A" / 8m cable assembly ST 80 PVC-NIT
	18510801	AUTomatic-torch 410-S design "B" / 8m cable assembly ST 80 PVC-NIT
	18520801	AUTomatic-torch 410-S design "C" / 8m cable assembly ST 80 PVC-NIT
		The following torches are equipped with very flexible and heat resistant HT110 rubber fabric hoses and protective fabric hose.
	1850040P	AUTomatic-torch design "A" / 4m cable assembly HT 110
	1851040P	AUTomatic torch design "B" / 4m cable assembly HT 110
	1852040P	AUTomatic torch design "C" / 4m cable assembly HT 110
	1850080P	AUTomatic torch design "A" / 8m cable assembly HT 110
	1851080P	AUTomatic torch design "B" / 8m cable assembly HT 110
	1852080P	AUTomatic torch design "C" / 8m cable assembly HT 110
		TIG-spare cable assemblies in different qualities, machine side with separate connections an 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
1-A	18591001	AUTomatic-torch body design "A"
1-B	18519101	AUTomatic-torch body design "B"
1-C	18529101	AUTomatic-torch body design "C"
10	18588101	Attachment screw plastic M5x8mm 230-S / 410-S
11	18588001	AUT-cable support with 2 screws M3x11,5mm 230-S / 410-S
15	91918541	TIG spring socket small (without knobs)

AUT 410-S

Welding-torch TIG water-cooled

400A at 100% duty cycle (DC) - 320A at 100% duty cycle (AC)

	Art.-No.	
15.1	91912511	AUT cable support spring (long design)
		Please state the machine side connection for the following power/water cables. **For 4m long torches:**
20	18594401	Power/water cable 17,31mm² 410-S / 4m MG
20	18594403	HT 110 rubber fabric hose power/water cable 17,31mm² 410-S / 4m
20	18594405	HT 130 TPE power/water cable 17,31mm² 410-S / 4m
20	18594408	HT 180 silicone super flexible power/water cable 17,31mm² 410-S / 4m
		For 8m long torches:
20	18594801	Power/water cable 17,31mm² 410-S / 8m MG
20	18594803	HT 110 rubber fabric hose power/water cable 17,31mm² 410-S / 8m
20	18594805	HT 130 TPE power/water cable 17,31mm² 410-S / 8m
20	18594808	HT 180 silicone super flexible power/water cable 17,31mm² 410-S / 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	18594411	Power/water cable 17,31mm² 410-S / 4m EURO
21	18594413	HT 110 rubber fabric hose power/water cable 17,31mm² 410-S / 4m
21	18594415	HT 130 TPE power/water cable 17,31mm² 410-S / 4m
21	18594418	HT 180 silicone super flexible power/water cable 17,31mm² 410-S / 4m
		For 8m long torches:
21	18594811	Power/water cable 17,31mm² 410-S / 8m EURO
21	18594813	HT 110 rubber fabric hose power/water cable 17,31mm² 410-S / 8m
21	18594815	HT 130 TPE power/water cable 17,31mm² 410-S / 8m
21	18594818	HT 180 silicone super flexible power/water cable 17,31mm² 410-S / 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	41500001	Meter ST 70 PVC hose ID4,0-W1,5mm black for gas (100m)
24	41500005	Meter HT 130 TPE hose ID4,0-W1,5mm grey for gas (100m)
24	51700001	Meter HT 110 rubber fabric hose ID5,0-W1,7mm black for gas (150m)
24	41500005	Meter HT 130 TPE hose ID4,0-W1,5mm grey for gas (100m)
26	22150002	Meter neoprene protective hose ID22mm black (40m)
26	25151001	Meter rubberized fabric protective hose ID25-W1,5mm (40m)
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
40	91900701	Terminal nut insulated fits EURO central adapter
41	91900211	TIG central adapter EURO central adapter water cooled

AUT 410-S

Welding-torch TIG water-cooled

400A at 100% duty cycle (DC) - 320A at 100% duty cycle (AC)

	Art.-No.	
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
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-A	17591302	AUTomatic-back cap design "A"
60-B	17519131	AUTomatic-back cap design "B"
60-C	17529131	AUTomatic-back cap design "C"
63	10089061	O-ring ID12-W3mm
64	17101401	Electrode fixation collet 1,0
64	17161401	Electrode fixation collet 1,6
64	17241401	Electrode fixation collet 2,4
64	18321401	Electrode fixation collet 3,2
64	18401401	Electrode fixation collet 4,0
64.1	17591303	Electrode fixation collet-body
66	17289022	PTFE-isolator AUT 230/410-S
70	17961002	Collet body 17-18-26-220 / 1,0 10N30
70	17961602	Collet body 17-18-26-220 / 1,6 10N31
70	17962402	Collet body 17-18-26-220 / 2,4 10N32
70	18963202	Collet body 17-18-26-220 / 3,2 10N28
70	18964002	Collet body 17-18-26-220 / 4,0 406488

AUT 410-S

Welding-torch TIG water-cooled

400A at 100% duty cycle (DC) - 320A at 100% duty cycle (AC)

	Art.-No.	
71	17961011	Gas lens 17-18-26-220 / 1,0 45V24
71	17961611	Gas lens 17-18-26-220 / 1,6 45V25
71	17962411	Gas lens 17-18-26-220 / 2,4 45V26
71	18963211	Gas lens 17-18-26-220 / 3,2 45V27
71	18964011	Gas lens 17-18-26-220 / 4,0 45V28
72	17961021	Jumbo-Gas lens 17-18-26-220 / 1,0 45V0204
72	17961621	Jumbo-Gas lens 17-18-26-220 / 1,6 45V116
72	17962421	Jumbo-Gas lens 17-18-26-220 / 2,4 45V64
72	18963221	Jumbo-Gas lens 17-18-26-220 / 3,2 995795
72	18964021	Jumbo-Gas lens 17-18-26-220 / 4,0 45V63
73	17961031	Gas lens "Mini" SR 17-18-26 / 1,0 conversion kit
73	17961631	Gas lens "Mini" SR 17-18-26 / 1,6 conversion kit
73	17962431	Gas lens "Mini" SR 17-18-26 / 2,4 conversion kit
73	18963231	Gas lens "Mini" SR 17-18-26 / 3,2 conversion kit
74	18961003	Collet body "Mini" SR 17-18-26 1,0 conversion kit
74	18961603	Collet body "Mini" SR 17-18-26 1,6 conversion kit
74	18962403	Collet body "Mini" SR 17-18-26 2,4 conversion kit
74	18963203	Collet body "Mini" SR 17-18-26 / 1,0 - 3,2 17CB20 conversion kit
		Brazen collets L-52mm **suitable equipment line (A) standard collet body** **suitable equipment line (B) gas lens** **suitable equipment line (D) gas lens jumbo**
75	17105202	Collet L52mm AS17-AS18-ABL220 / 1,0 10N22-D
75	17165202	Collet L52mm AS17-AS18-ABL220 / 1,6 10N23-D
75	17245202	Collet L52mm AS17-AS18-ABL220 / 2,4 10N24-D
75	18325202	Collet L52mm AS17-AS18-ABL220 / 3,2 10N25-D
75	18405202	Collet L52mm AS17-AS18-ABL220 / 4,0 10N20-D
		Brazen-collets L-31mm **suitable equipment line (E) gas lens mini** **suitable equipment line (F) standard collet body mini**
77	17103101	Collet L31mm AUT-WIG 230-S / 410-S / 1,0
77	17163101	Collet L31mm AUT-WIG 230-S / 410-S / 1,6
77	17243101	Collet L31mm AUT-WIG 230-S / 410-S / 2,4
77	18323101	Collet L31mm AUT-WIG 230-S / 410-S / 3,2
78	17089021	PTFE-Gas-lens insulator 17-18-26-220 54N01
79	17089031	PTFE-Gas-lens insulator Jumbo 17-18-26-220 54N63
		Ceramic gas nozzles in different lengths **suitable equipment line (A) standard collet body**
80	17930401	Ceramic gas nozzle L47mm 17-18-26-220 / Gr.4 10N50 (pu=10pieces)
80	17930501	Ceramic gas nozzle L47mm 17-18-26-220 / Gr.5 10N49 (pu=10pieces)
80	17930601	Ceramic gas nozzle L47mm 17-18-26-220 / Gr.6 10N48 (pu=10pieces)
80	17930701	Ceramic gas nozzle L47mm 17-18-26-220 / Gr.7 10N47 (pu=10pieces)
80	17930801	Ceramic gas nozzle L47mm 17-18-26-220 / Gr.8 10N46 (pu=10pieces)
80	17930101	Ceramic gas nozzle L47mm 17-18-26-220 / Gr.10 10N45 (pu=10pieces)
80	17930121	Ceramic gas nozzle L47mm 17-18-26-220 / Gr.12 10N44 (pu=10pieces)

AUT 410-S

Welding-torch TIG water-cooled

400A at 100% duty cycle (DC) - 320A at 100% duty cycle (AC)

	Art.-No.		
N.i.	17930404	Ceramic gas nozzle L76mm 17-18-26-220 / Gr.4 10N50L (pu=10pieces)	
N.i.	17930504	Ceramic gas nozzle L76mm 17-18-26-220 / Gr.5 10N49L (pu=10pieces)	
N.i.	17930604	Ceramic gas nozzle L76mm 17-18-26-220 / Gr.6 10N48L (pu=10pieces)	
N.i.	17930704	Ceramic gas nozzle L76mm 17-18-26-220 / Gr.7 10N47L (pu=10pieces)	
		Ceramic gas nozzles in different lengths suitable equipment line (B) gas lens	
90	22093041	Gas nozzle for gas lens L42mm / Gr.4 54N18 (pu=10pieces)	
90	22093051	Gas nozzle for gas lens L42mm / Gr.5 54N17 (pu=10pieces)	
90	22093061	Gas nozzle for gas lens L42mm / Gr.6 54N16 (pu=10pieces)	
90	22093071	Gas nozzle for gas lens L42mm / Gr.7 54N15 (pu=10pieces)	
90	22093081	Gas nozzle for gas lens L42mm / Gr.8 54N14 (pu=10pieces)	
90	22093111	Gas nozzle for gas lens L42mm / Gr.11 54N19-11 (pu=10pieces)	
90	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)	
		Ceramic gas nozzles L-20mm suitable equipment line (E) gas lens mini	
96	17930502	Ceramic gas nozzle L20mm SR 17-18-26 / Gr.5 fits gas lens "Mini" 53N59MS	(pu=10pieces)
96	17930602	Ceramic gas nozzle L20mm SR 17-18-26 / Gr.6 fits gas lens "Mini" 53N60MS	(pu=10pieces)
96	17930702	Ceramic gas nozzle L20mm SR 17-18-26 / Gr.7 fits gas lens "Mini" 53N61MS	(pu=10pieces)
		Ceramic gas nozzles suitable equipment line (F) collet body standard mini	
97	20930401	Ceramic gas nozzle L30mm / Gr. 4 13N08 (pu=10pieces)	
97	20930501	Ceramic gas nozzle L30mm / Gr. 5 13N09 (pu=10pieces)	
97	20930601	Ceramic gas nozzle L30mm / Gr. 6 13N10 (pu=10pieces)	
97	20930701	Ceramic gas nozzle L30mm / Gr. 7 13N11 (pu=10pieces)	
97	20930801	Ceramic gas nozzle L30mm / Gr. 8 13N12 (pu=10pieces)	
97	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)	

AUT 410-S

Welding-torch TIG water-cooled

400A at 100% duty cycle (DC) - 320A at 100% duty cycle (AC)

	Art.-No.	
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)

Top quality tungsten electrodes in 8 different qualities, see appendix A.