MHS SENATOR-800-D

water-cooled



700 Amp./100% duty cycle (CO_2)
650 Amp./100% duty cycle (mixed gas)



HSN 022

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part No.80091001

Torch body

Ball joint
part No. 91912704



Ratio-handle with ball joint
part No. 91912536



Industry-handle with ball joint
part No. 91912103



Insulating for gas nozzle
part No. 92912101

HD-Gas nozzle with cooling chamber
cyl.conical ID17mm
part No. 80093011



HD-Gas nozzle with cooling chamber
cylindric ID21mm
part No. 80093301



HD-Gas nozzle with cooling chamber
cylindric (short design) ID21mm
for contact tip M8-L30
part No. 80093001



Laminated fabric-tension
sleeve with right hand thread
part No. 92912401



Flat rubber ring
part No. 92912201



Water distributor
part No. 92912301



Flat rubber ring
part No. 92912201



Insulating sleeve with left hand thread
part No. 92912001



Contact tip holder
part No. 92981001



HD-Contact tip M8x 36
part No. 836□□401(CuCrZr)
□□ **Please fill in wire diameter**

HSN 672

Holch Schweißbrenner

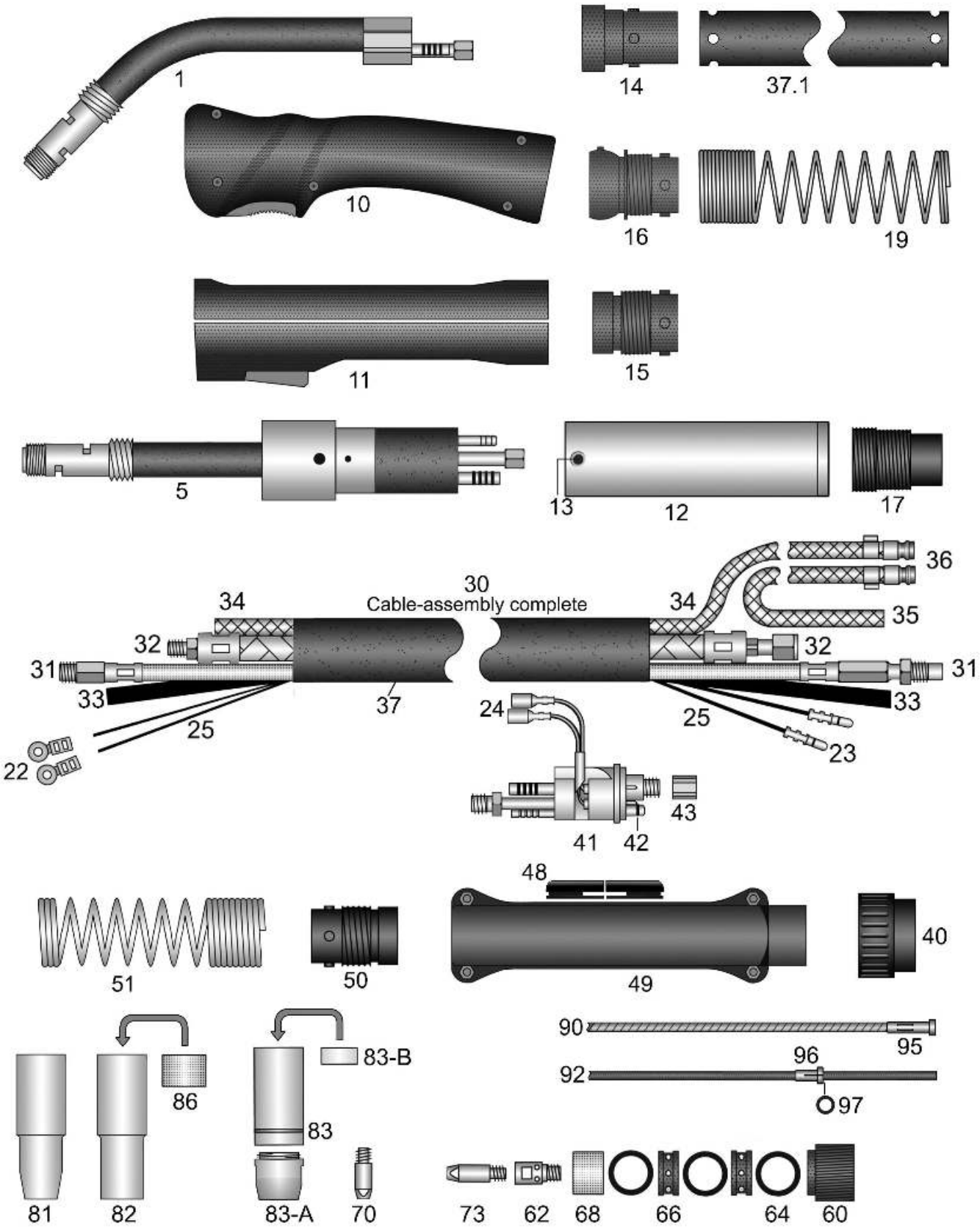
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MADE IN GERMANY DAS ORIGINAL

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Operating instruction

Screw laminated fabric-tension sleeve right-hand thread (60) down until it goes no further.Then, mount rubber flatring (64), water distributor (66), a second rubber flatring (64), a second water distributor(66) and a third rubber flatring (64). Screw insulating sleeve left-hand thread (68) until it goes no further. Put insulating sleeve (86) into gas nozzle (81,82). Slide gas nozzle over the cooling system. Screw back laminated fabric-tension sleeve (60), to press the parts together. The rubber flatrings are being compressed and pushed to the outside, sealing the water circulation system and holding the gas nozzle.

HSN 139

MHS SENATOR-800-D

Welding-torch MIG-MAG water-cooled

700A at 100% duty cycle (CO2) - 650A at 100% duty cycle (mixed gas)

	Art.-No.	
	80000311	Torch MHS SENATOR-800-D / 3m EURO central adapter
	80000411	Torch MHS SENATOR-800-D / 4m EURO central adapter
	80000511	Torch MHS SENATOR-800-D / 5m EURO central adapter
	80050311	AUTomatic-torch SENATOR-800-D / 3m EURO central adapter
		For torches without EURO central-adaptor the following prices apply. Please note that for some special machine side connections surcharges may arise, which you will find in the appendix "A" custom made products.
	80000301	Torch MHS SENATOR-800-D / 3m
	80000401	Torch MHS SENATOR-800-D / 4m
	80000501	Torch MHS SENATOR-800-D / 5m
	80050301	AUTomatic-torch MHS SENATOR-800-D / 3m
		Special lengths for hand- and AUTomatic-torches please notice appendix "B".
		Torches with flexible and highly heat resistant cable assemblies available for small surcharges! Please see appendix "B"
	pg000001	Surcharge: Pistol-shape-handle / stabilizer
N.i.	91912453	Heat protection shield for pistol handle, screws included
	29004602	Surcharge: Torch body with custom bending
	91900102	Adapter EURO central adapter fits power source with Dinse central adapter
		Torch bodies and AUTomatic torch bodies with rubber insulation, very massive power conduit, max. cooling water conduit, complete with contact tip holder M8.
1	80091001	Torch body
5	80091501	AUTomatic-torch body
N.i.	set80001	Wearing part set for torch body
		Handles complete with switch and screws Ball joints or sockets are also included
10	91912536	Ratio-handle 20mm with ball joint
10	91912436	Ratio-handle 20mm (***without ball joint***)
N.i.	91912438	Ratio microswitch DC2
N.i.	91912439	Push button red for Ratio handle also fits RAUCH handle
N.i.	91912441	Spring fits button Ratio grip handle and RAUCH grip handle
11	91912103	Industry-handle 20mm with ball joint
11	91912431	Industry-handle 20mm (***without ball joint***)
N.i.	91920411	Switch-set fits industry-handle for 16/18/20mm (11 parts)
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
12	91912921	AUT handle tube, brass-cladded AD38mm for AUT-torch standard
13	91912911	Holding screw M4x6mm for AUT handle tube OD38mm
14	50191251	Rubber cable-support RETRO
15	91912701	Spring socket pistol side fits handle without ball joint
16	91912704	Spring socket pistol side fits handle with ball joint
17	91912711	AUT spring socket

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	Art.-No.	
19	91912501	Cable support spring pistol-side fits water-cooled torches
N.i.	91912511	AUT cable support spring (long design)
N.i.	91912521	AUT suspension spring
N.i.	91912531	AUT carabiner
N.i.	10089001	Single stroke button (rubber)
22	91902811	Cable-plug fits industry-handle
23	91902901	Male connector cable-plug for machine side EURO central adapter
24	91903001	Female connector cable-plug fits machine side EURO central adapter
25	91902423	Meter control line 2x0,75mm² red free of halogen (100m)
		Spare cable-assemblies complete with cable support springs and fittings. **Fits handles with or without ball joint - please specify!**
30	09200312	Spare cable assembly 3m / without EURO central adapter
30	09200412	Spare cable assembly 4m / without EURO central adapter
30	09200512	Spare cable assembly 5m / without EURO central adapter
		Supply lines and thermo-hoses, superflexible and highly heat resistant **please see appendix "C" and "D"**
31	0950a311	Wire conduit flexible MHS / 3m EURO central adapter (flexible)
31	0950a411	Wire conduit flexible MHS / 4m EURO central adapter (flexible)
31	0950a511	Wire conduit flexible MHS / 5m EURO central adapter (flexible)
32	09400311	ST 80 PVC-NIT power/water cable MHS / 3m EURO central adapter
32	09400411	ST 80 PVC-NIT power/water cable MHS / 4m EURO central adapter
32	09400511	ST 80 PVC-NIT power/water cable MHS / 5m EURO central adapter
		Supply lines for AUTomatic torches.
31	0950d311	AUT wire conduit MHS / 3m EURO central adapter white (hard)
32	09400313	HT 110 rubber fabric hose power/water cable MHS / 3m EURO central adapter
		Reel goods: **Prices are per meter and only applicable if a complete reel is purchased.**
33	41500001	Meter ST 70 PVC hose ID4,0-W1,5mm black for gas (100m)
34	50170001	Meter ST 80 PVC-NIT fabric hose ID5,0-W1,7mm blue for water (100m) robust model, thick-walled and non-buckling
35	50171001	Meter ST 80 PVC-NIT fabric hose ID5,0-W1,7mm red for water (100m) robust model, thick-walled and non-buckling
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	25151001	Meter rubberized fabric protective hose ID25-W1,5mm (40m)
37.1	25151311	Rubberized fabric protective hose ID25-W1,5mm perforated fits 3m / EURO central adapter
37.1	25151411	Rubberized fabric protective hose ID25-W1,5mm perforated fits 4m / EURO central adapter
37.1	25151511	Rubberized fabric protective hose ID25-W1,5mm perforated fits 5m / EURO central adapter
40	91900701	Terminal nut insulated fits EURO central adapter
41	91900201	Central adapter fixed contact-pins EURO central adapter

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	Art.-No.	
41	91900206	Central adapter spring contact-pins EURO central adapter
42	91900801	O-ring ID4-W1mm fits gas-nipple EURO central adapter
43	91900901	Swivel nut IT-M10x1 (rounded edges) fits EURO central adapter
48	91901011	Rubber-hose-fence fits cable support
49	91900561	Cable support machine side (srews included) fits EURO central adapter
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
N.i.	91900601	Attachment screw M4x6mm fits cable support EURO central adapter
50	91912801	Spring-socket fits cable support
51	91912601	Cable support spring
60	92912401	Laminated fabric-tension sleeve with right hand thread
62	92981001	Contact tip holder IT-M8 AD13-L28mm
64	92912201	Flat silicon ring ID17-W2,5mm
66	92912301	Water distributor
68	92912001	Insulating sleeve with left hand thread
		Contact tips M8x30 fits gasnozzle coating with gasnozzle L-28mm two parts design (pos.83 + pos.83-A)
70	83010401	Contact tip M8-L30-D10 CuCrZr 1,0
70	83012401	Contact tip M8-L30-D10 CuCrZr 1,2
70	83014401	Contact tip M8-L30-D10 CuCrZr 1,4
70	83016401	Contact tip M8-L30-D10 CuCrZr 1,6
70	83020401	Contact tip M8-L30-D10 CuCrZr 2,0
70	83024301	Contact tip M8-L30-D10 2,4 nickel-plated
70	83024401	Contact tip M8-L30-D10 CuCrZr 2,4
70	83028301	Contact tip M8-L30-D10 2,8 nickel-plated
70	83028401	Contact tip M8-L30-D10 CuCrZr 2,8
73	83610401	HD-contact tip M8-L36-AD10 CuCrZr 1,0
73	83612401	HD-contact tip M8-L36-AD10 CuCrZr 1,2
73	83614401	HD-contact tip M8-L36-AD10 CuCrZr 1,4
73	83616401	HD-contact tip M8-L36-AD10 CuCrZr 1,6
73	83620401	HD-contact tip M8-L36-AD10 CuCrZr 2,0
73	83624401	HD-contact tip M8-L36-AD10 CuCrZr 2,4
73	83628401	HD-contact tip M8-L36-AD10 CuCrZr 2,8
73	83608a41	HD-contact tip M8-L36-D10 CuCrZr 0,8-A for aluminium wire
73	83610a41	HD-contact tip M8-L36-D10 CuCrZr 1,0-A for aluminium wire
73	83612a41	HD-contact tip M8-L36-D10 CuCrZr 1,2-A for aluminium wire
73	83618301	HD-contact tip M8-L36-D10 1,6A nickel-plated for aluminium wire
81	80093011	HD-gas nozzle with coolant chamber conical-ID17mm
82	80093301	HD-gas nozzle with coolant chamber cylindric-ID21mm
N.i.	80093001	HD-gas nozzle with coolant chamber cylindric-ID21mm (short) fits contact tip M8x30
		Please use M8x30 contact tips for the following gas nozzles.
83	80093021	Gasnozzle coating double walled fits Gasnozzle L23-ID19mm and contact tip M8x30
83-A	80093031	Gasnozzle L23-ID19mm fits gasnozzle coating double walled and contact tip M8x30
83-B	80091201	Splatter protection fits gasnozzle coating double walled

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	Art.-No.	
86	92912101	Insulating fits gas nozzle
		Spirals and liners also available in other sizes on inquiry!
90	20450311	Guide spiral-liner ID2,0-AD4,5 fits 3m / EURO central adapter
90	20450411	Guide spiral-liner ID2,0-AD4,5 fits 4m / EURO central adapter
90	20450511	Guide spiral-liner ID2,0-AD4,5 fits 5m / EURO central adapter
90	25450311	Guide spiral-liner ID2,5-AD4,5 fits 3m / EURO central adapter
90	25450411	Guide spiral-liner ID2,5-AD4,5 fits 4m / EURO central adapter
90	25450511	Guide spiral-liner ID2,5-AD4,5 fits 5m / EURO central adapter
90	30450311	Flatwire spiral-liner ID3,0-AD4,5 fits 3m / EURO central adapter
90	30450411	Flatwire spiral-liner ID3,0-AD4,5 fits 4m / EURO central adapter
90	30450511	Flatwire spiral-liner ID3,0-AD4,5 fits 5m / EURO central adapter
90	35490311	Flatwire spiral-liner ID3,5-AD4,9 fits 3m / EURO central adapter
90	35490411	Flatwire spiral-liner ID3,5-AD4,9 fits 4m / EURO central adapter
90	35490511	Flatwire spiral-liner ID3,5-AD4,9 fits 5m / EURO central adapter
92	20393311	PTFE-carbon core liner ID2,0-AD3,9 fits 3m / EURO central adapter
92	20393411	PTFE-carbon core liner ID2,0-AD3,9 fits 4m / EURO central adapter
92	20393511	PTFE-carbon core liner ID2,0-AD3,9 fits 5m / EURO central adapter
92	27473311	PTFE-carbon core liner ID2,7-AD4,7 fits 3m / EURO central adapter
92	27473411	PTFE-carbon core liner ID2,7-AD4,7 fits 4m / EURO central adapter
92	27473511	PTFE-carbon core liner ID2,7-AD4,7 fits 5m / EURO central adapter
92	20406311	Carbon-PA core liner ID2,0-AD4,0 fits 3m / EURO central adapter
92	20406411	Carbon-PA core liner ID2,0-AD4,0 fits 4m / EURO central adapter
92	20406511	Carbon-PA core liner ID2,0-AD4,0 fits 5m / EURO central adapter
92	23476311	Carbon-PA core liner ID2,3-AD4,7 fits 3m / EURO central adapter
92	23476411	Carbon-PA core liner ID2,3-AD4,7 fits 4m / EURO central adapter
92	23476511	Carbon-PA core liner ID2,3-AD4,7 fits 5m / EURO central adapter
92	29476311	Carbon-PA core liner ID2,9-AD4,7 fits 3m / EURO central adapter
92	29476411	Carbon-PA core liner ID2,9-AD4,7 fits 4m / EURO central adapter
92	29476511	Carbon-PA core liner ID2,9-AD4,7 fits 5m / EURO central adapter
92	20404311	ULTRA-liner (brown) ID2,0-OD4,0 fits 3m / EURO central adapter
92	20404411	ULTRA-liner (brown) ID2,0-OD4,0 fits 4m / EURO central adapter
92	20404511	ULTRA-liner (brown) ID2,0-OD4,0 fits 5m / EURO central adapter
92	23474311	ULTRA-liner (brown) ID2,3-OD4,7 fits 3m / EURO central adapter
92	23474411	ULTRA-liner (brown) ID2,3-OD4,7 fits 4m / EURO central adapter
92	23474511	ULTRA-liner (brown) ID2,3-OD4,7 fits 5m / EURO central adapter
92	29474311	ULTRA-liner (brown) ID2,9-OD4,7 fits 3m / EURO central adapter
92	29474411	ULTRA-liner (brown) ID2,9-OD4,7 fits 4m / EURO central adapter
92	29474511	ULTRA-liner (brown) ID2,9-OD4,7 fits 5m / EURO central adapter

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	Art.-No.	
N.i.	20405002	Brass spiral liner (marked blue) ID2,0-OD4,0mm L300mm fits liner OD3,9/4,0mm
N.i.	20405001	Brass spiral liner (marked green) ID2,0-OD4,0mm L300mm fits liner OD4,7mm
N.i.	25405002	Bronze spiral liner (marked blue) ID2,5-OD4,0mm L300mm fits liner OD3,9/4,0mm
N.i.	25405001	Bronze spiral liner (marked green) ID2,5-OD4,0mm L300mm fits liner OD4,7mm
95	91905721	Nipple (brass L-30mm) fits spiral liner EURO central adapter AD4,5mm
96	91906111	Nipple fits core liner EURO central adapter AD3,9/4,0mm
96	91906121	Nipple fits core liner EURO central adapter AD 4,7mm
97	91906131	O-ring ID3,5-W1,5mm fits core liners
N.i.	91906112	Support tube, brass ID4,4 - AD5,0 - L200mm