MHS Manni-164

with screwable gas nozzle M14
gas-cooled

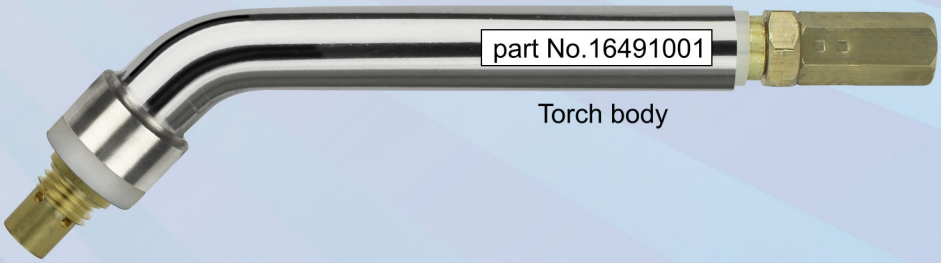


230 Amp./60% duty cycle (CO_2)
200 Amp./60% duty cycle (mixed gas)

Spare parts like:
MHS 312 water-cooled

MHS Manni-164

gas-cooled



Torch body



Gas nozzle conical ID13mm
part No. 3129301M



Ball joint
part No. 91912704



Ratio-handle with ball joint
part No. 91912534



Gas nozzle conical ID15mm
part No. 3129302M



Industry-handle with ball joint
part No. 91912101



Gas nozzle cylindric ID18mm
part No. 31293001



Contact tip M8 x 28
part No. 828□401(CuCrZr)
□**Please fill in wire diameter**

Holch Schweißbrenner

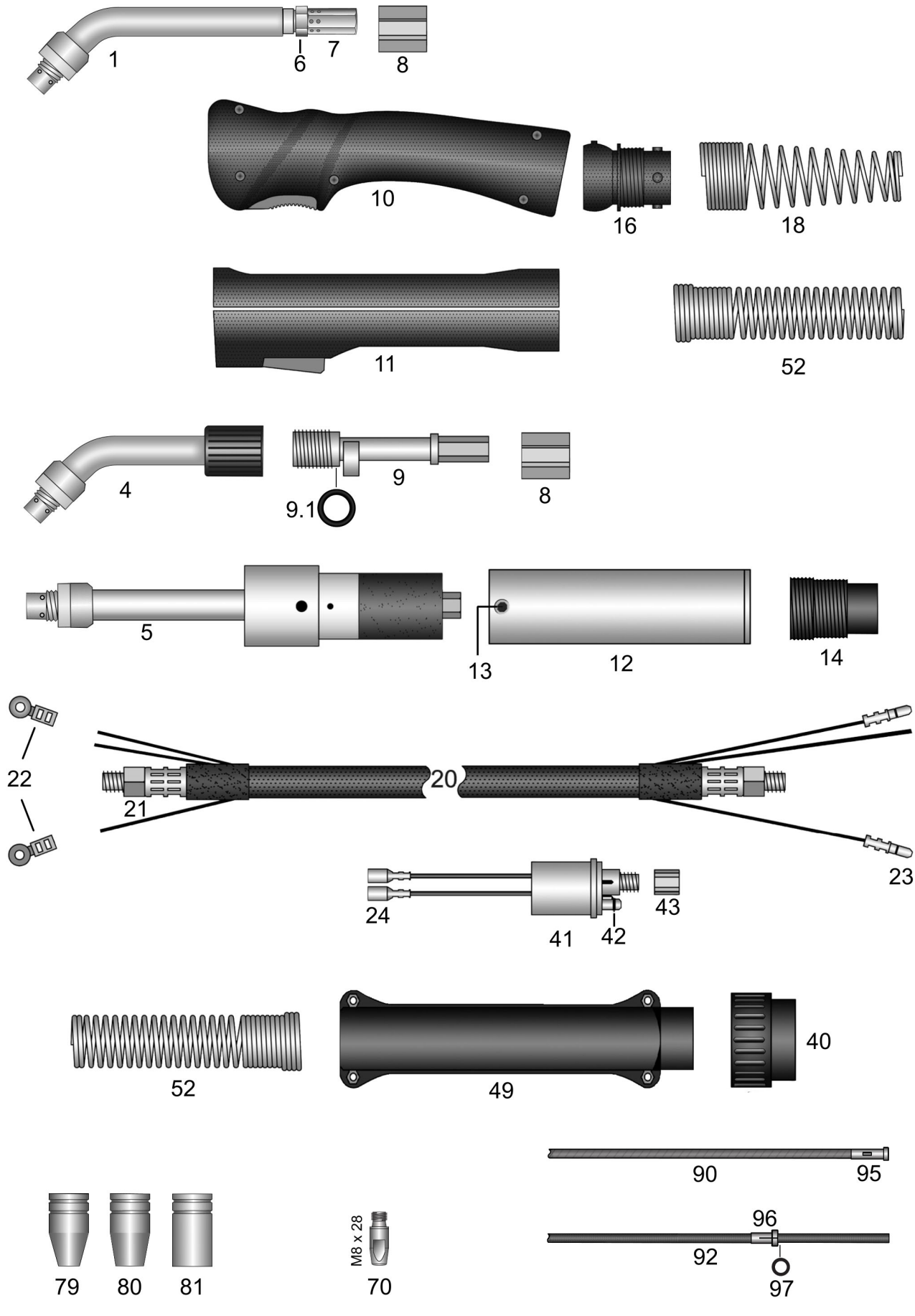
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MADE IN GERMANY DAS ORIGINAL

MHS Manni-164 gas-cooled

230 Ampere at 60% duty cycle (CO_2) - 200 Ampere at 60% duty cycle (mixed gas)



HSN 137A-2

MHS Manni-164

Welding-torch MIG-MAG gas-cooled

230A at 60% duty cycle (CO2) - 200A at 60% duty cycle (mixed gas)

	Art.-No.	
		Spare parts as torch MHS 312 water-cooled
	16400311	Torch MHS Manni-164 / 3m EURO central adapter 35mm²
	16400411	Torch MHS Manni-164 / 4m EURO central adapter 35mm²
	16400511	Torch MHS Manni-164 / 5m EURO central adapter 35mm²
	16410311	DR Torch MHS Manni-164 / 3m EURO central adapter 35mm²
	16410411	DR Torch MHS Manni-164 / 4m EURO central adapter 35mm²
	16410511	DR Torch MHS Manni-164 / 5m EURO central adapter 35mm²
	16405311	AUTomatic-torch MHS Manni-164 / 3m EURO central adapter 35mm²
	16415311	DR AUTomatic-torch MHS Manni-164 / 3m EURO central adapter 35mm²
		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.**
	16400301	Torch MHS Manni-164 / 3m 35mm²
	16400401	Torch MHS Manni-164 / 4m 35mm²
	16400501	Torch MHS Manni-164 / 5m 35mm²
	16410301	DR Torch MHS Manni-164 / 3m 35mm²
	16410401	DR Torch MHS Manni-164 / 4m 35mm²
	16410501	DR Torch MHS Manni-164 / 5m 35mm²
	16405301	AUTomatic-torch MHS Manni-164 / 3m 35mm²
	16415301	DR AUTomatic-torch MHS Manni-164 / 3m 35mm²
		Special lengths for hand- and AUTomatic-torches **please notice 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
		Torch body and AUTomatic torch body with teflon insulation, **nickel coated brazen outer tube, very massive power conduit and small bending radius.**
1	16491001	Swan neck
4	16419101	DR swan neck MHS Manni-164
5	16491501	AUTomatic-torch body
6	15912201	Lock-nut M10x1-L6mm for swan neck
7	15912401	Torch body brass SW12-L26mm
8	15912301	Polyamid-torch body
9	15912602	DR Torch body brass fits ratio handle
9	15912601	DR Torch body brass fits industry-handle
N.i.	15912651	Auxiliary torch body fits coaxial cable
9.1	91903604	O-ring ID19-W2,4mm
		Handles complete with switch and screws **Ball joints or sockets are also included**
10	91912534	Ratio-handle 16mm with ball joint
10	91912434	Ratio-handle 16mm (***without ball joint***)

MHS Manni-164

Welding-torch MIG-MAG gas-cooled

230A at 60% duty cycle (CO2) - 200A at 60% duty cycle (mixed gas)

	Art.-No.	
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	91912101	Industry-handle 16mm with ball joint
11	91912231	Industry-handle 16mm (***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	91912901	AUT handle tube, brass-cladded AD38mm for AUT-torch rubber cable support
13	91912911	Holding screw M4x6mm for AUT handle tube OD38mm
14	15912801	Rubber cable-support small for coaxial-cable
16	91912704	Spring socket pistol side fits handle with ball joint
18	91912503	Cable support spring handle-side for torches with ball joint
20	25920311	Coaxial-cable 35mm² / 3m fits EURO central adapter
20	25920411	Coaxial-cable 35mm² / 4m fits EURO central adapter
20	25920511	Coaxial-cable 35mm² / 5m fits EURO central adapter
21	15912211	Lock-nut M10x1-L9,5mm for coaxial-cable
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
40	91900701	Terminal nut insulated fits EURO central adapter
41	91900101	Central adapter fixed contact-pins EURO central adapter
41	91900106	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
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
52	91912502	Cable support spring fits handles without ball joint and for EURO
		Contact tip M8-L28-D10 fits on some special Holch torch types and various genuine Dinse torches.
70	82808401	Contact tip M8-L28-D10 CuCrZr 0,8
70	82810401	Contact tip M8-L28-D10 CuCrZr 1,0
70	82812401	Contact tip M8-L28-D10 CuCrZr 1,2
70	82808a41	Contact tip M8-L28-D10 0,8-A CuCrZr for aluminium wire
70	82810a41	Contact tip M8-L28-D10 1,0-A CuCrZr for aluminium wire
70	82812a41	Contact tip M8-L28-D10 1,2-A CuCrZr for aluminium wire
79	3129301M	Gas nozzle screwable M14 conical-ID13mm L-40mm (MHS Manni-164 + LURCHI-220 / LURCHI-320 + MHS 312)
80	3129302M	Gas nozzle screwable M14 conical-ID15mm L-40mm (MHS Manni-164 + LURCHI-220 / LURCHI-320 + MHS 312)

MHS Manni-164

Welding-torch MIG-MAG gas-cooled

230A at 60% duty cycle (CO2) - 200A at 60% duty cycle (mixed gas)

	Art.-No.	
81	31293001	Gas nozzle screwable M14 cylindric-ID18mm L-40mm (MHS Manni-164 + LURCHI-220 / LURCHI-320 + MHS 312)
		Spirals and liners also available in other sizes on inquiry!
90	15451311	Guide spiral-liner blue ID1,5-AD4,5 fits 3m / EURO central adapter
90	15451411	Guide spiral-liner blue ID1,5-AD4,5 fits 4m / EURO central adapter
90	15451511	Guide spiral-liner blue ID1,5-AD4,5 fits 5m / EURO central adapter
90	20451311	Guide spiral-liner red ID2,0-AD4,5 fits 3m / EURO central adapter
90	20451411	Guide spiral-liner red ID2,0-AD4,5 fits 4m / EURO central adapter
90	20451511	Guide spiral-liner red ID2,0-AD4,5 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	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	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
N.i.	20405002	Brass spiral liner (marked blue) ID2,0-OD4,0mm L300mm fits liner OD3,9/4,0mm
N.i.	25405002	Bronze spiral liner (marked blue) ID2,5-OD4,0mm L300mm fits liner OD3,9/4,0mm
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
97	91906131	O-ring ID3,5-W1,5mm fits core liners
N.i.	91906112	Support tube, brass ID4,4 - AD5,0 - L200mm
		Mounting spiral for use with DR Torch Bodies (shorten as needed)
N.i.	dr193901	Mounting spiral (steel) for DR torches L250mm ID1,9-AD3,9mm complete with slotted outer gas conduit
N.i.	dr253901	Mounting spiral (steel) for DR torches L250mm ID2,5-AD3,9mm complete with slotted outer gas conduit
N.i.	dr204001	Mounting spiral (brass) for DR torches L250mm ID2,0-AD4,0mm complete with slotted outer gas conduit
N.i.	dr254001	Mounting spiral (bronze) for DR torches L250mm ID2,5-AD4,0mm complete with slotted outer gas conduit