# MHS 451g

water-cooled



340 Amp./60% duty cycle ($CO_2$)
320 Amp./60% duty cycle (mixed gas)

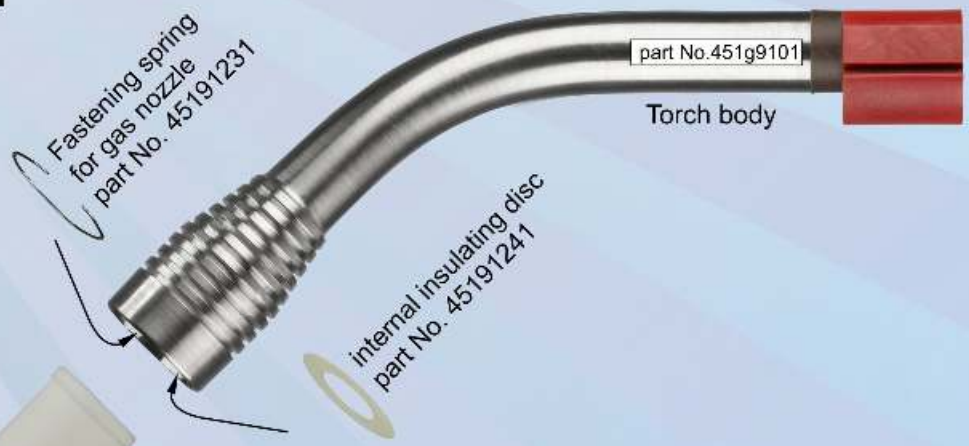
**Spare parts like:**
MHS Mikro-21(2) water-cooled



HSN 977

# MHS 451g

## gas-cooled





Splatter protection


Gas nozzle conical
ID15mm, L 53
part No. 45193001


Gas nozzle cylindric
ID20mm, L 53
with nozzle insulator
part No. 45193301


Contact tip holder M8
part No. 25981001


HD-Contact tip M8x 30
part No. 830□□001
□ **Please fill in wire diameter**


Ball joint
part No. 91912704


Ratio-handle with ball joint
part No. 91912535


Industry-handle with ball joint
part No. 91912102

HSN 974

Holch Schweißbrenner

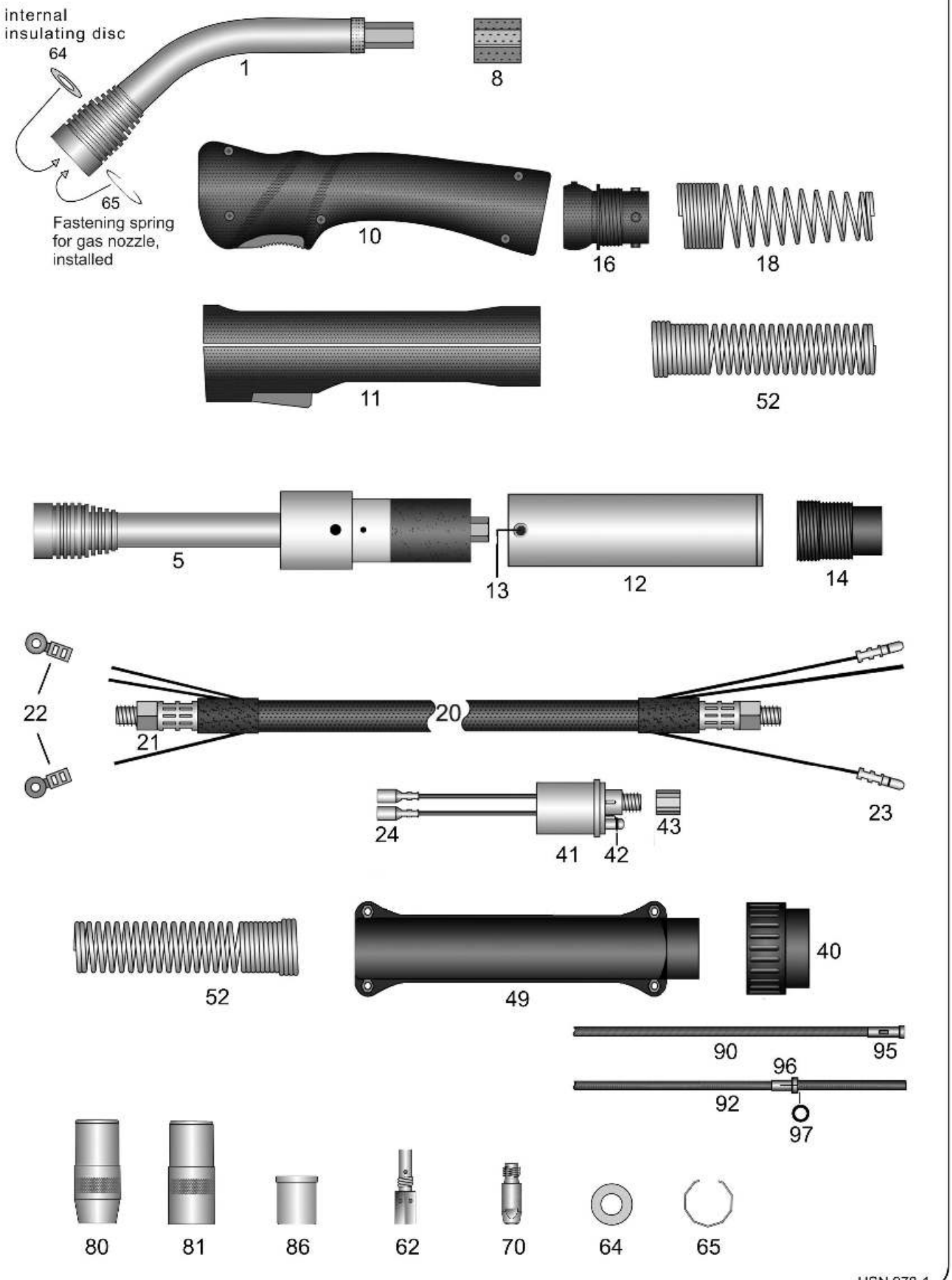
GETESTET EN 60974-7 ISO 9001:2015

www.holch-siegen.de

MADE IN GERMANY DAS ORIGINAL

# MHS 451g gas-cooled

340 Ampere at 60% duty cycle ($CO_2$) - 320 Ampere at 60% duty cycle (mixed gas)



# MHS 451g (gas nozzle pluggable)

## Welding-torch MIG-MAG gas-cooled

## 340A at 60% duty cycle (CO2) - 320A at 60% duty cycle (mixed gas)

| | Art.-No. | |
|---|---|---|
| | | **Spare parts as torch MHS 451 water-cooled** |
| | 451g0311 | Torch MHS 451g / 3m EURO central adapter |
| | 451g0411 | Torch MHS 451g / 4m EURO central adapter |
| | 451g0511 | Torch MHS 451g / 5m EURO central adapter |
| | 451g5311 | AUTomatic-torch MHS 451g / 3m EURO central adapter |
| | | **For torches without EURO central-adaptor the following prices apply.<br>Please note that for some special machine side connections surcharges may arise, which you will find in the appendix "A" custom made products.** |
| | 451g0301 | Torch MHS 451g / 3m |
| | 451g0401 | Torch MHS 451g / 4m |
| | 451g0501 | Torch MHS 451g / 5m |
| | 451g5301 | AUTomatic-torch MHS 451g / 3m |
| | | **Special lengths for hand- and AUTomatic-torches<br>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 brass outer tube with cooling ribs, very massive power conduit, front ceramic insulation, complete with insulator and contact tip holder M8. Fastening spring for gas nozzle** |
| 1 | 451g9101 | Swan neck |
| 5 | 451g9151 | AUTomatic-torch body |
| | | |
| 8 | 15912301 | Polyamid-torch body |
| | | **Handles complete with switch and screws<br>Ball joints or sockets are also included** |
| 10 | 91912535 | Ratio-handle 18mm with ball joint |
| 10 | 91912435 | Ratio-handle 18mm (***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 | 91912102 | Industry-handle 18mm with ball joint |
| 11 | 91912331 | Industry-handle 18mm (***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 | 50191251 | Rubber cable-support RETRO |
| | | |
| 16 | 91912704 | Spring socket pistol side fits handle with ball joint |
| 18 | 91912503 | Cable support spring handle-side for torches with ball joint |
| | | |
| 20 | 36921311 | Coaxial-cable 42mm² / 3m fits EURO central adapter |
| 20 | 36921411 | Coaxial-cable 42mm² / 4m fits EURO central adapter |

# MHS 451g (gas nozzle pluggable)

## Welding-torch MIG-MAG gas-cooled

## 340A at 60% duty cycle (CO2) - 320A at 60% duty cycle (mixed gas)

| | Art.-No. | |
|---|---|---|
| 20 | 36921511 | Coaxial-cable 42mm² / 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 |
| | | |
| 62 | 25981001 | Contact tip holder IT-M8-SW10-L35mm |
| 64 | 45191241 | Insulation disc HT-200 MHS 451g and MHS 451 |
| 65 | 45191231 | Nozzle spring for gas nozzle Typ 451 |
| | | |
| 70 | 83008001 | Contact tip M8-L30-AD10 0,8 |
| 70 | 83010001 | Contact tip M8-L30-AD10 1,0 |
| 70 | 83012001 | Contact tip M8-L30-AD10 1,2 |
| 70 | 83014001 | Contact tip M8-L30-AD10 1,4 |
| 70 | 83016001 | Contact tip M8-L30-AD10 1,6 |
| | | |
| 70 | 83008301 | Contact tip M8-L30-AD10 0,8 nickel-plated |
| 70 | 83010301 | Contact tip M8-L30-AD10 1,0 nickel-plated |
| 70 | 83012301 | Contact tip M8-L30-AD10 1,2 nickel-plated |
| 70 | 83014301 | Contact tip M8-L30-AD10 1,4 nickel-plated |
| 70 | 83016301 | Contact tip M8-L30-AD10 1,6 nickel-plated |
| | | |
| 70 | 83008401 | Contact tip M8-L30-D10 CuCrZr 0,8 |
| 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 | 83008a01 | Contact tip M8-L30-D10 0,8-A for aluminium wire |
| 70 | 83010a01 | Contact tip M8-L30-D10 1,0-A for aluminium wire |
| 70 | 83012a01 | Contact tip M8-L30-D10 1,2-A for aluminium wire |
| 70 | 83016a01 | Contact tip M8-L30-D10 1,6-A for aluminium wire |
| | | |
| 80 | 45193001 | Gas nozzle conical-ID16mm MHS 451g and MHS 451 (without PTFE splatter protection) |
| 81 | 45193301 | Gas nozzle cylindric-ID20mm MHS 451 and MHS 451g (without PTFE splatter protection) |
| 86 | 45191211 | Splatter protection MHS 451 and MHS 451g |
| | | **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 |

## MHS 451g (gas nozzle pluggable)

### Welding-torch MIG-MAG gas-cooled

### 340A at 60% duty cycle (CO2) - 320A at 60% duty cycle (mixed gas)

| | Art.-No. | |
|---|---|---|
| 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 |
| | | |
| 90 | 23481311 | Spiral-liner green ID2,3-AD4,8 fits 3m / EURO central adapter |
| 90 | 23481411 | Spiral-liner green ID2,3-AD4,8 fits 4m / EURO central adapter |
| 90 | 23481511 | Spiral-liner green ID2,3-AD4,8 fits 5m / EURO central adapter |
| | | |
| 90 | 25451311 | Flatwire spiral-liner yellow ID2,5-AD4,5 fits 3m / EURO central adapter |
| 90 | 25451411 | Flatwire spiral-liner yellow ID2,5-AD4,5 fits 4m / EURO central adapter |
| 90 | 25451511 | Flatwire spiral-liner yellow ID2,5-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 |