



Master-Clip HT 1100

Article Master No.: 000319

Medium- and high temperature hose for temperatures up to 1100 °C



flame
retardant



microbe
resistant



hydrolysis
resistant



temperatu
re-
resistant



very
flexible



heavy



moderatel
y pressure
resistant

Product Details

Construction / Material

- Type of construction: spiral hose with clamping profile
- Design of the helix: metal band, formed as a clamping profile
- Material of the helix: steel strip, VA steel 1.4512
- Design of the external spiral: designed as an additional protective profile
- Execution of the wall: made of three layers
- Design of inner and outer hose: interlayer made of thermal textile fabric
- Material of the inner layer: stainless steel wire mesh
- Execution of the external layer: reinforced by interwoven VA wire, coating with heat stabilisers
- Material of the outer layer: high temperature fabric

Properties

- Chemical Properties: silicone-free
- Flexibility: very flexible
- Physical Properties: flame resistant
- Weight: heavy
- Pressure Resistance: moderately pressure resistant
- Colour: silver grey

Operating Temperature

- Temperature Range: -20 - 1100
- short-term maximum temperature: peaks to 1100 °C exhaust gas temperature with proper use

Delivery Information

- Delivery, type of production: order-related production

Application Areas

- Areas of application: Automotive, Plant & Mechanical Engineering, Industry, Aerospace technology, Ventilation & Air-conditioning, Printing & Paper, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other lengths, other nominal widths

Article Variants

| Extended Article Number | Article number | Nominal Size (DN) mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m |
|-------------------------|----------------|-------------------------|-----------------------|----------------|---------------------------|--------------------------|-----------------------------|
| 000319:75:x | 000319 | 75 | 45 | 1.68 | on request | 0.30 | 15.00 |
| 000319:80:x | 000319 | 80 | 48 | 1.78 | on request | 0.27 | 15.00 |
| 000319:90:x | 000319 | 90 | 54 | 1.99 | on request | 0.25 | 15.00 |
| 000319:100:x | 000319 | 100 | 60 | 1.78 | on request | 0.20 | 15.00 |
| 000319:110:x | 000319 | 110 | 66 | 1.94 | on request | 0.16 | 15.00 |
| 000319:120:x | 000319 | 120 | 72 | 2.11 | on request | 0.14 | 15.00 |
| 000319:125:x | 000319 | 125 | 75 | 2.19 | on request | 0.12 | 15.00 |
| 000319:130:x | 000319 | 130 | 78 | 2.27 | on request | 0.12 | 15.00 |
| 000319:140:x | 000319 | 140 | 84 | 2.44 | on request | 0.10 | 15.00 |
| 000319:150:x | 000319 | 150 | 90 | 2.60 | on request | 0.09 | 15.00 |
| 000319:160:x | 000319 | 160 | 96 | 2.77 | on request | 0.08 | 15.00 |
| 000319:170:x | 000319 | 170 | 102 | 2.93 | on request | 0.07 | 15.00 |
| 000319:175:x | 000319 | 175 | 105 | 3.02 | on request | 0.07 | 15.00 |
| 000319:180:x | 000319 | 180 | 126 | 3.10 | on request | 0.06 | 15.00 |
| 000319:200:x | 000319 | 200 | 140 | 3.43 | on request | 0.05 | 15.00 |
| 000319:215:x | 000319 | 215 | 151 | 3.68 | on request | 0.05 | 10.00 |
| 000319:225:x | 000319 | 225 | 158 | 3.84 | on request | 0.04 | 10.00 |
| 000319:250:x | 000319 | 250 | 175 | 4.25 | on request | 0.03 | 10.00 |
| 000319:275:x | 000319 | 275 | 193 | 4.67 | on request | 0.03 | 10.00 |
| 000319:300:x | 000319 | 300 | 210 | 5.08 | on request | 0.02 | 10.00 |
| 000319:315:x | 000319 | 315 | 221 | 5.33 | on request | 0.02 | 10.00 |
| 000319:325:x | 000319 | 325 | 228 | 5.49 | on request | 0.02 | 10.00 |
| 000319:350:x | 000319 | 350 | 245 | 5.90 | on request | 0.02 | 10.00 |
| 000319:375:x | 000319 | 375 | 300 | 6.35 | on request | 0.02 | 10.00 |
| 000319:400:x | 000319 | 400 | 320 | 6.76 | on request | 0.01 | 10.00 |
| 000319:450:x | 000319 | 450 | 360 | 7.59 | on request | 0.01 | 10.00 |
| 000319:500:x | 000319 | 500 | 400 | 8.41 | on request | 0.01 | 10.00 |
| 000319:550:x | 000319 | 550 | 440 | 9.24 | on request | 0.01 | 10.00 |
| 000319:600:x | 000319 | 600 | 480 | 10.06 | on request | 0.01 | 10.00 |

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|-------------------------|----------------|-------------------------|-----------------------|----------------|---------------------------|--------------------------|-----------------------------|
| 000319:700:x | 000319 | 700 | 560 | 11.72 | on request | 0.01 | 10.00 |
| 000319:800:x | 000319 | 800 | 640 | 13.37 | on request | 0.01 | 10.00 |
| 000319:900:x | 000319 | 900 | 720 | 15.02 | on request | 0.01 | 10.00 |

All data refer to a medium and ambient temperature of +20°C.

Specification of the bending radius related to the inside of the hose bend

Subject to technical changes and colour deviations

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

Possible Connection Elements



Hose connector

Sheet steel connector for extending, connecting and joining light to medium-weight hoses



Hose Reducer, symmetrical

Hose reducer for extending, connecting and joining light to medium weight hoses



Clip-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301

screwable clamp for attaching all hose types from the Master-Clip series to mobile and stationary systems



Clip-Grip Quick-Fix Clamp

Special clamp for attaching all hose types from the Master-Clip series to mobile and stationary units.

Individual consultation

We offer consultation by phone:
+49 209 97077-112

Product requests via
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