

Master-Clip HT 500

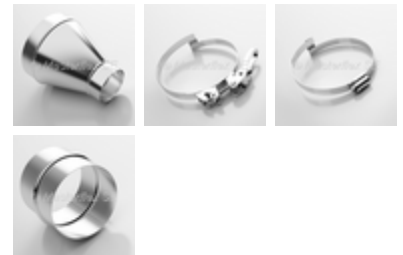
Medium- and high temperature hose for temperatures up to +500°C



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: special-coated high-temperature fabric, one-sided clad with stainless steel foil

Applications

- Exhaust gas routing in gauge pressure and low pressure range
- Vehicle and engine manufacturing
- Exhaust gas extraction in automotive industry with higher temperature demands

Properties

- very good temperature resistance
- outer chafing protection spiral
- small bending radius
- flame-resistant
- high tension-proof connection of wall-lining and spiral via special clamp mechanism

- flexible
- limited suitability for long-term kink movements
- good vacuum resistance
- high gas resistance in low pressure/vacuum range
- non-flammable
- extremely lightweight

Temperature Range

- -20°C to +500°C
- peaks to +550°C

Product Variations (**Please replace “x” with your desired hose length.)

| DN | op. pressure | vacuum | bend radius | weight/m | old article no. | **new article no. | stock length | max. production length |
|-----|--------------|--------|-------------|----------|-----------------|-------------------|--------------|------------------------|
| | bar | bar | mm | kg | | | m | m |
| 75 | 0,62 | 0,25 | 45 | 1,44 | 228-075-119 | 000306:75:x | 3-10 | 10 |
| 80 | 0,61 | 0,22 | 48 | 1,53 | 228-080-119 | 000306:80:x | 3-10 | 10 |
| 90 | 0,56 | 0,21 | 54 | 1,72 | 228-090-119 | 000306:90:x | 3-10 | 10 |
| 100 | 0,51 | 0,17 | 60 | 1,98 | 228-100-119 | 000306:100:x | 3-10 | 10 |
| 110 | 0,48 | 0,14 | 66 | 2,17 | 228-110-119 | 000306:110:x | 3-10 | 10 |
| 120 | 0,36 | 0,12 | 72 | 2,2 | 228-120-119 | 000306:120:x | 3-10 | 10 |
| 125 | 0,33 | 0,1 | 75 | 2,45 | 228-125-119 | 000306:125:x | 3-10 | 10 |
| 130 | 0,28 | 0,1 | 78 | 2,54 | 228-130-119 | 000306:130:x | 3-10 | 10 |
| 140 | 0,25 | 0,09 | 84 | 2,73 | 228-140-119 | 000306:140:x | 3-10 | 10 |
| 150 | 0,22 | 0,08 | 90 | 2,92 | 228-150-119 | 000306:150:x | 3-10 | 10 |
| 160 | 0,21 | 0,07 | 96 | 3,11 | 228-160-119 | 000306:160:x | 3-10 | 10 |
| 170 | 0,19 | 0,06 | 102 | 3,33 | 228-170-119 | 000306:170:x | 3-10 | 10 |
| 175 | 0,185 | 0,06 | 105 | 3,43 | 228-175-119 | 000306:175:x | 3-10 | 10 |
| 180 | 0,172 | 0,05 | 108 | 3,52 | 228-180-119 | 000306:180:x | 3-10 | 10 |
| 200 | 0,148 | 0,04 | 120 | 3,9 | 228-200-119 | 000306:200:x | 3-10 | 10 |
| 215 | 0,128 | 0,04 | 151 | 3,12 | 228-215-119 | 000306:215:x | 3-10 | 10 |
| 225 | 0,115 | 0,03 | 158 | 3,26 | 228-225-119 | 000306:225:x | 3-10 | 10 |
| 250 | 0,1 | 0,03 | 175 | 3,62 | 228-250-119 | 000306:250:x | 3-10 | 10 |
| 275 | 0,08 | 0,02 | 193 | 3,97 | 228-275-119 | 000306:275:x | 3-10 | 10 |
| 300 | 0,07 | 0,02 | 210 | 4,32 | 228-300-119 | 000306:300:x | 3-10 | 10 |
| 315 | 0,062 | 0,02 | 221 | 4,53 | 228-315-119 | 000306:315:x | 3-10 | 10 |
| 325 | 0,059 | 0,02 | 228 | 4,67 | 228-325-119 | 000306:325:x | 3-10 | 10 |
| 350 | 0,056 | 0,02 | 245 | 5,03 | 228-350-119 | 000306:350:x | 3-10 | 10 |
| 375 | 0,05 | 0,01 | 263 | 5,41 | 228-375-119 | 000306:375:x | 3-10 | 10 |
| 400 | 0,047 | 0,01 | 280 | 5,76 | 228-400-119 | 000306:400:x | 3-10 | 10 |
| 450 | 0,045 | 0,01 | 360 | 6,46 | 228-450-119 | 000306:450:x | 3-6 | 6 |
| 500 | 0,043 | 0,01 | 400 | 7,17 | 228-500-119 | 000306:500:x | 3-6 | 6 |
| 550 | 0,042 | 0,01 | 440 | 7,87 | 228-550-119 | 000306:550:x | 3-6 | 6 |
| 600 | 0,039 | 0,01 | 480 | 8,58 | 228-600-119 | 000306:600:x | 3-6 | 6 |
| 700 | 0,031 | 0,01 | 560 | 9,98 | 228-700-119 | 000306:700:x | 3-6 | 6 |
| 800 | 0,022 | 0,01 | 640 | 11,39 | 228-800-119 | 000306:800:x | 3-6 | 6 |
| 900 | 0,016 | 0,01 | 720 | 12,8 | 228-900-119 | 000306:900:x | 3-6 | 6 |

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

* Refers to the inner hose lining
Subject to technical changes and colour deviations.

Order-specific production

- Order-specific production in above listed sizes and lengths of 3 to 10m

Available on request

- Available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.