

Master-Clip CAR

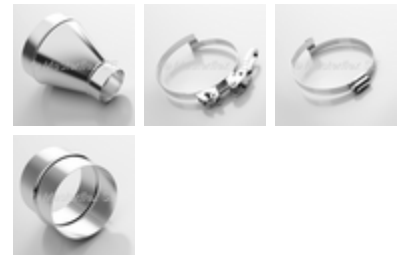
Medium and high temperature hose for temperatures up to +300°C



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: special-coated textile high-temperature fabric

Applications

- Suction of engine exhaust fumes up to max.+300 °C acc. to exhaust guidelines and sufficient fresh air intake (approx. 50%)
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Exhaust gas extraction (esp. diesel engines)
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing

Properties

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- hardly inflammable
- very good temperature resistance
- outer chafing protection spiral
- primarily suitable as exhaust hose
- vibration-proof
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- extremely compressable to approx. 1:6
- smallest bending radii
- abrasion-resistant
- extremely lightweight

Temperature Range

- from -60°C to +300 °C (Exhaust temperatures) with appropriate use if exhaust regulators and sufficient air supply (approx. 50% at the maximum given temperature)
- peaks to +350°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. | production length | max. production length |
|-----|--------------|--------|-------------|----------|-----------------|-------------------|-------------------|------------------------|
| | bar | bar | mm | kg | | | m | m |
| 38 | 0,94 | 0,36 | 23 | 0,5 | 225-038-120 | 000294:38:x | 3-10 | 20 |
| 40 | 0,93 | 0,35 | 24 | 0,5 | 225-040-120 | 000294:40:x | 3-10 | 20 |
| 45 | 0,92 | 0,33 | 27 | 0,5 | 225-045-120 | 000294:45:x | 3-10 | 20 |
| 50 | 0,9 | 0,31 | 30 | 0,5 | 225-050-120 | 000294:50:x | 3-10 | 20 |
| 55 | 0,85 | 0,26 | 33 | 0,6 | 225-055-120 | 000294:55:x | 3-10 | 20 |
| 60 | 0,78 | 0,22 | 36 | 0,6 | 225-060-120 | 000294:60:x | 3-10 | 20 |
| 65 | 0,68 | 0,19 | 39 | 0,7 | 225-065-120 | 000294:65:x | 3-10 | 20 |
| 70 | 0,67 | 0,16 | 42 | 0,7 | 225-070-120 | 000294:70:x | 3-10 | 20 |
| 75 | 0,62 | 0,14 | 45 | 0,8 | 225-075-120 | 000294:75:x | 3-10 | 20 |
| 80 | 0,61 | 0,12 | 48 | 0,8 | 225-080-120 | 000294:80:x | 3-10 | 20 |
| 90 | 0,56 | 0,1 | 54 | 0,8 | 225-090-120 | 000294:90:x | 3-10 | 20 |
| 100 | 0,51 | 0,08 | 60 | 0,9 | 225-100-120 | 000294:100:x | 3-10 | 20 |
| 110 | 0,48 | 0,07 | 66 | 0,9 | 225-110-120 | 000294:110:x | 3-10 | 20 |
| 120 | 0,36 | 0,06 | 72 | 1 | 225-120-120 | 000294:115:x | 3-10 | 20 |
| 125 | 0,33 | 0,05 | 75 | 1 | 225-125-120 | 000294:125:x | 3-10 | 20 |
| 130 | 0,28 | 0,05 | 78 | 1,1 | 225-130-120 | 000294:130:x | 3-10 | 20 |
| 140 | 0,25 | 0,04 | 84 | 1,1 | 225-140-120 | 000294:140:x | 3-10 | 20 |
| 150 | 0,22 | 0,04 | 90 | 1,2 | 225-150-120 | 000294:150:x | 3-10 | 20 |
| 160 | 0,21 | 0,03 | 96 | 1,2 | 225-160-120 | 000294:160:x | 3-10 | 20 |
| 170 | 0,19 | 0,03 | 102 | 1,3 | 225-170-120 | 000294:170:x | 3-10 | 20 |
| 175 | 0,185 | 0,03 | 105 | 1,4 | 225-175-120 | 000294:175:x | 3-10 | 20 |
| 180 | 0,172 | 0,02 | 126 | 1,4 | 225-180-120 | 000294:180:x | 3-10 | 20 |
| 200 | 0,148 | 0,02 | 140 | 1,6 | 225-200-120 | 000294:200:x | 3-10 | 20 |
| 215 | 0,128 | 0,02 | 151 | 1,7 | 225-215-120 | 000294:215:x | 3-10 | 20 |
| 225 | 0,115 | 0,02 | 158 | 1,8 | 225-225-120 | 000294:225:x | 3-10 | 20 |
| 250 | 0,1 | 0,01 | 175 | 2 | 225-250-120 | 000294:250:x | 3-10 | 20 |
| 275 | 0,08 | 0,01 | 193 | 2,1 | 225-275-120 | 000294:275:x | 3-10 | 20 |

| | | | | | | | | |
|-----|-------|------|-----|-----|-------------|--------------|------|----|
| 300 | 0,07 | 0,01 | 210 | 2,2 | 225-300-120 | 000294:300:x | 3-10 | 20 |
| 315 | 0,062 | 0,01 | 221 | 2,2 | 225-315-120 | 000294:315:x | 3-10 | 20 |
| 325 | 0,059 | 0,01 | 228 | 2,3 | 225-325-120 | 000294:325:x | 3-10 | 20 |
| 350 | 0,056 | 0,01 | 245 | 2,6 | 225-350-120 | 000294:350:x | 3-10 | 20 |
| 375 | 0,05 | 0,01 | 300 | 2,9 | 225-375-120 | 000294:375:x | 3-10 | 20 |
| 400 | 0,047 | 0,01 | 320 | 3,1 | 225-400-120 | 000294:400:x | 3-10 | 20 |
| 450 | 0,045 | 0,01 | 360 | 3,6 | 225-450-120 | 000294:450:x | 3-10 | 20 |
| 500 | 0,043 | 0,01 | 400 | 4,1 | 225-500-120 | 000294:500:x | 3-10 | 20 |
| 550 | 0,042 | 0,01 | 440 | 4,6 | 225-550-120 | 000294:550:x | 3-10 | 20 |
| 600 | 0,039 | 0,01 | 480 | 5,1 | 225-600-120 | 000294:600:x | 3-10 | 20 |
| 700 | 0,031 | 0,01 | 560 | 6 | 225-700-120 | 000294:700:x | 3-10 | 20 |
| 800 | 0,022 | 0,01 | 640 | 6,9 | 225-800-120 | 000294:800:x | 3-10 | 20 |
| 900 | 0,016 | 0,01 | 720 | 7,8 | 225-900-120 | 000294:900:x | 3-10 | 20 |

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.