

# 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

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

## Properties

- 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
- extremely compressable to approx. 1:6
- abrasion-resistant
- highly flexible
- smallest bending radii
- 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

| DN  | op. pressure | vacuum | bend radius | weight/m | article no.  | production length | max. production length |
|-----|--------------|--------|-------------|----------|--------------|-------------------|------------------------|
|     | bar          | bar    | mm          | kg       |              | m                 | m                      |
| 38  | 0,94         | 0,36   | 23          | 0,5      | 000294:38:x  | 3-10              | 20                     |
| 40  | 0,93         | 0,35   | 24          | 0,5      | 000294:40:x  | 3-10              | 20                     |
| 45  | 0,92         | 0,33   | 27          | 0,5      | 000294:45:x  | 3-10              | 20                     |
| 50  | 0,9          | 0,31   | 30          | 0,5      | 000294:50:x  | 3-10              | 20                     |
| 55  | 0,85         | 0,26   | 33          | 0,6      | 000294:55:x  | 3-10              | 20                     |
| 60  | 0,78         | 0,22   | 36          | 0,6      | 000294:60:x  | 3-10              | 20                     |
| 65  | 0,68         | 0,19   | 39          | 0,7      | 000294:65:x  | 3-10              | 20                     |
| 70  | 0,67         | 0,16   | 42          | 0,7      | 000294:70:x  | 3-10              | 20                     |
| 75  | 0,62         | 0,14   | 45          | 0,8      | 000294:75:x  | 3-10              | 20                     |
| 80  | 0,61         | 0,12   | 48          | 0,8      | 000294:80:x  | 3-10              | 20                     |
| 90  | 0,56         | 0,1    | 54          | 0,8      | 000294:90:x  | 3-10              | 20                     |
| 100 | 0,51         | 0,08   | 60          | 0,9      | 000294:100:x | 3-10              | 20                     |
| 110 | 0,48         | 0,07   | 66          | 0,9      | 000294:110:x | 3-10              | 20                     |
| 120 | 0,36         | 0,06   | 72          | 1        | 000294:115:x | 3-10              | 20                     |
| 125 | 0,33         | 0,05   | 75          | 1        | 000294:125:x | 3-10              | 20                     |
| 130 | 0,28         | 0,05   | 78          | 1,1      | 000294:130:x | 3-10              | 20                     |
| 140 | 0,25         | 0,04   | 84          | 1,1      | 000294:140:x | 3-10              | 20                     |
| 150 | 0,22         | 0,04   | 90          | 1,2      | 000294:150:x | 3-10              | 20                     |
| 160 | 0,21         | 0,03   | 96          | 1,2      | 000294:160:x | 3-10              | 20                     |
| 170 | 0,19         | 0,03   | 102         | 1,3      | 000294:170:x | 3-10              | 20                     |
| 175 | 0,185        | 0,03   | 105         | 1,4      | 000294:175:x | 3-10              | 20                     |
| 180 | 0,172        | 0,02   | 126         | 1,4      | 000294:180:x | 3-10              | 20                     |
| 200 | 0,148        | 0,02   | 140         | 1,6      | 000294:200:x | 3-10              | 20                     |
| 215 | 0,128        | 0,02   | 151         | 1,7      | 000294:215:x | 3-10              | 20                     |
| 225 | 0,115        | 0,02   | 158         | 1,8      | 000294:225:x | 3-10              | 20                     |
| 250 | 0,1          | 0,01   | 175         | 2        | 000294:250:x | 3-10              | 20                     |
| 275 | 0,08         | 0,01   | 193         | 2,1      | 000294:275:x | 3-10              | 20                     |

|     |       |      |     |     |              |      |    |
|-----|-------|------|-----|-----|--------------|------|----|
| 300 | 0,07  | 0,01 | 210 | 2,2 | 000294:300:x | 3-10 | 20 |
| 315 | 0,062 | 0,01 | 221 | 2,2 | 000294:315:x | 3-10 | 20 |
| 325 | 0,059 | 0,01 | 228 | 2,3 | 000294:325:x | 3-10 | 20 |
| 350 | 0,056 | 0,01 | 245 | 2,6 | 000294:350:x | 3-10 | 20 |
| 375 | 0,05  | 0,01 | 300 | 2,9 | 000294:375:x | 3-10 | 20 |
| 400 | 0,047 | 0,01 | 320 | 3,1 | 000294:400:x | 3-10 | 20 |
| 450 | 0,045 | 0,01 | 360 | 3,6 | 000294:450:x | 3-10 | 20 |
| 500 | 0,043 | 0,01 | 400 | 4,1 | 000294:500:x | 3-10 | 20 |
| 550 | 0,042 | 0,01 | 440 | 4,6 | 000294:550:x | 3-10 | 20 |
| 600 | 0,039 | 0,01 | 480 | 5,1 | 000294:600:x | 3-10 | 15 |
| 700 | 0,031 | 0,01 | 560 | 6   | 000294:700:x | 3-10 | 15 |
| 800 | 0,022 | 0,01 | 640 | 6,9 | 000294:800:x | 3-10 | 15 |
| 900 | 0,016 | 0,01 | 720 | 7,8 | 000294:900:x | 3-10 | 15 |

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.

### Manufacturing and Delivery

- Customised production in the above-mentioned nominal widths and lengths

### Available on request

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