



Clamp profile hose (clip hose), (up to +170°C)

Application

- ♦ flexible hose/ ducting for hot and cold gases and for dust, powder, fibres
- ♦ chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction
- ♦ industrial washing machine: air blower hose for drying
- ♦ high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill
- ♦ bellows, compensators

Properties

- ♦ abrasion protection via external clamp profile

- ♦ secure clamping of the wall within the clamp profile
- ♦ highly flexible + compressible 4:1
- ♦ vibration resistant
- ♦ very good heat resistance
- ♦ good resistance to oil, gasoline and chemicals
- ♦ good resistance to alkalis and acids
- ♦ conforms to RoHS guideline
- ♦ REACH according to --> Technology / Technical Information / REACH

Temperature Range

- ♦ -40°C to 170°C

Design

- ♦ CP construction
- ♦ clamp profile supporting spiral: galvanised steel
- ♦ wall: CSM coated polyester fabric

Delivery variants

- ♦ further diameters and lengths available on request
- ♦ stainless steel (INOX) clamp profile
- ♦ double-layer

| I.D. | outer Ø | Pressure | Vacuum | Bending Radius | Weight | Dimensions in Stock | Order No. |
|---------------|---------|----------|--------|----------------|--------|---------------------|---------------|
| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | |
| 1,5 / 38 | 50.00 | 0,785 | 0,450 | 21.00 | 0.57 | 6 | 450-0038-0000 |
| - / 40 | 52.00 | 0,765 | 0,440 | 22.00 | 0.59 | 6 | 450-0040-0000 |
| 2 / 50-51 | 62.00 | 0,630 | 0,380 | 25.00 | 0.76 | 6 | 450-0050-0000 |
| - / 55 | 67.00 | 0,600 | 0,350 | 27.00 | 0.82 | 6 | 450-0055-0000 |
| 2,36 / 60 | 72.00 | 0,570 | 0,320 | 28.00 | 0.89 | 6 | 450-0060-0000 |
| 2,5 / 63-65 | 77.00 | 0,545 | 0,290 | 30.00 | 0.96 | 6 | 450-0065-0000 |
| - / 70 | 82.00 | 0,525 | 0,260 | 31.00 | 1.03 | 6 | 450-0070-0000 |
| 3 / 75-76 | 87.00 | 0,500 | 0,230 | 33.00 | 1.10 | 6 | 450-0075-0000 |
| - / 80 | 92.00 | 0,485 | 0,200 | 34.00 | 1.16 | 6 | 450-0080-0000 |
| 3,5 / 89-90 | 102.00 | 0,450 | 0,140 | 37.00 | 1.30 | 6 | 450-0090-0000 |
| 4 / 100-102 | 112.00 | 0,300 | 0,120 | 28.00 | 1.03 | 6 | 450-0100-0000 |
| - / 110 | 122.00 | 0,285 | 0,105 | 30.00 | 1.13 | 3 6 | 450-0110-0000 |
| 4,5 / 114-115 | 127.00 | 0,275 | 0,098 | 32.00 | 1.17 | 3 6 | 450-0115-0000 |
| 4,72 / 120 | 132.00 | 0,270 | 0,090 | 32.00 | 1.22 | 3 6 | 450-0120-0000 |
| 5 / 125-127 | 137.00 | 0,260 | 0,085 | 34.00 | 1.27 | 3 6 | 450-0125-0000 |
| - / 130 | 142.00 | 0,255 | 0,075 | 34.00 | 1.32 | 3 6 | 450-0130-0000 |
| 5,5 / 140 | 152.00 | 0,245 | 0,060 | 36.00 | 1.42 | 3 6 | 450-0140-0000 |
| 6 / 150-152 | 162.00 | 0,165 | 0,050 | 38.00 | 1.04 | 3 6 | 450-0150-0000 |
| 6,3 / 160 | 172.00 | 0,160 | 0,045 | 40.00 | 1.11 | 3 6 | 450-0160-0000 |
| 6,5 / 165 | 177.00 | 0,155 | 0,040 | 41.00 | 1.14 | 3 6 | 450-0165-0000 |
| - / 170 | 182.00 | 0,155 | 0,040 | 42.00 | 1.17 | 3 6 | 450-0170-0000 |
| - / 175 | 187.00 | 0,150 | 0,040 | 44.00 | 1.21 | 3 6 | 450-0175-0000 |
| 7 / 178-180 | 192.00 | 0,150 | 0,040 | 44.00 | 1.24 | 3 6 | 450-0180-0000 |
| 8 / 200-203 | 212.00 | 0,140 | 0,030 | 48.00 | 1.37 | 3 6 | 450-0200-0000 |
| - / 215 | 227.00 | 0,135 | 0,030 | 52.00 | 1.47 | 3 6 | 450-0215-0000 |

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx.

| I.D. | outer Ø | Pressure | Vacuum | Bending Radius | Weight | Dimensions in Stock | Order No. |
|--------------|---------|----------|--------|----------------|--------|---------------------|---------------|
| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | |
| - / 225 | 237.00 | 0,130 | 0,025 | 54.00 | 1.54 | 3 6 | 450-0225-0000 |
| 9 / 228-229 | 240.00 | 0,130 | 0,025 | 57.00 | 1.56 | 3 6 | 450-0228-0000 |
| - / 250 | 262.00 | 0,100 | 0,025 | 58.00 | 1.71 | 3 6 | 450-0250-0000 |
| 10 / 254 | 266.00 | 0,095 | 0,025 | 60.00 | 1.85 | 3 6 | 450-0254-0000 |
| - / 275 | 287.00 | 0,090 | 0,020 | 64.00 | 1.87 | 3 6 | 450-0275-0000 |
| 11 / 280 | 292.00 | 0,090 | 0,020 | 65.00 | 1.96 | 3 6 | 450-0280-0000 |
| - / 300 | 312.00 | 0,085 | 0,015 | 68.00 | 2.04 | 3 6 | 450-0300-0000 |
| 12 / 305 | 317.00 | 0,085 | 0,015 | 69.00 | 2.07 | 3 6 | 450-0305-0000 |
| - / 315 | 327.00 | 0,085 | 0,015 | 71.00 | 2.14 | 3 6 | 450-0315-0000 |
| - / 325 | 337.00 | 0,080 | 0,015 | 74.00 | 2.21 | 3 6 | 450-0325-0000 |
| 13 / 330 | 342.00 | 0,080 | 0,015 | 75.00 | 2.25 | 3 6 | 450-0330-0000 |
| - / 350 | 362.00 | 0,065 | 0,015 | 78.00 | 2.37 | 3 6 | 450-0350-0000 |
| 14 / 356 | 368.00 | 0,065 | 0,015 | 80.00 | 2.40 | 3 6 | 450-0356-0000 |
| - / 400 | 412.00 | 0,060 | 0,010 | 88.00 | 2.71 | 3 6 | 450-0400-0000 |
| 16 / 405-406 | 418.00 | 0,055 | 0,010 | 90.00 | 2.75 | 3 6 | 450-0406-0000 |
| - / 450 | 462.00 | 0,055 | 0,010 | 98.00 | 3.04 | 3 6 | 450-0450-0000 |
| 18 / 457 | 469.00 | 0,050 | 0,010 | 100.00 | 3.09 | 3 6 | 450-0457-0000 |
| - / 500 | 512.00 | 0,050 | 0,005 | 108.00 | 3.37 | 3 6 | 450-0500-0000 |
| 20 / 508 | 520.00 | 0,035 | 0,005 | 110.00 | 3.41 | 3 6 | 450-0508-0000 |
| - / 600 | 612.00 | 0,030 | 0,005 | 128.00 | 4.04 | 3 | 450-0600-0000 |
| 24 / 610 | 622.00 | 0,030 | 0,005 | 130.00 | 4.12 | 3 | 450-0610-0000 |
| - / 700 | 712.00 | 0,025 | 0,002 | 148.00 | 4.71 | 3 | 450-0700-0000 |
| - / 800 | 812.00 | 0,025 | 0,002 | 168.00 | 5.37 | 3 | 450-0800-0000 |
| - / 900 | 912.00 | 0,020 | 0,001 | 188.00 | 6.04 | 3 | 450-0900-0000 |
| - / 1000 | 1012.00 | 0,020 | 0,001 | 208.00 | 6.71 | 3 | 450-1000-0000 |

Accessories



CONNECT 228



CLAMP 213



CLAMP 217



CLAMP 212



CONNECT 270-271

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx.