



High-temperature suction and blast hose; CSM, super-light, highly flexible + compressible, Ø up to 1.000 mm (up to 170°C)

Applications

- for solids such as dust, powder and fibres
- for gaseous media such as vapors and smoke
- for exhaust gas technique, engine construction, engine warming and aircraft construction
- for de-dusting and suction plants, flue gas extraction, blast furnace exhaust and welding gas exhaust
- as bellows and compensator

Properties

- vibration resistant
- very good heat resistance
- highly flexible + compressible 4:1
- abrasion protection via external Clamp profile
- firm clamping of the wall in Clamp profile
- good resistance to oil, gasoline and chemicals
- good resistance to alkalis and acids
- good resistance to UV and ozone
- small bending radiuses
- kink-proof
- light weight
- conform to RoHS guideline

- -40°C to 170°C

Design, Material

CP construction

1. Clamp profile supporting spiral: galvanised steel
2. wall: CSM coated polyester fabric

Delivery variants

- further diameters and lengths available on request
- stainless steel (INOX) Clamp profile
- double-layer
- customized designs with special Clamp profile supporting spiral pitch and wall materials

Temperature Range

| I.D. in / mm | O.D. mm | Over- pressure bar | Under- pressure bar | Bending Radius mm | Weight kg/m | Dimensions in Stock m | Further Production Lengths m | Order No. |
|-----------------|------------|--------------------------|---------------------------|-------------------------|----------------|-----------------------------|---------------------------------------|---------------|
| 1,5 / 38 | 50 | 0,805 | 0,450 | 21,0 | 0,570 | 6 | - | 450-0038-0000 |
| - / 40 | 52 | 0,785 | 0,440 | 22,0 | 0,590 | 6 | - | 450-0040-0000 |
| 2 / 50-51 | 62 | 0,700 | 0,380 | 25,0 | 0,760 | 6 | - | 450-0050-0000 |
| - / 55 | 67 | 0,660 | 0,350 | 26,5 | 0,820 | - | 6 | 450-0055-0000 |
| 2,36 / 60 | 72 | 0,630 | 0,320 | 28,0 | 0,890 | 6 | - | 450-0060-0000 |
| 2,5 / 63-65 | 77 | 0,600 | 0,290 | 29,5 | 0,960 | 6 | - | 450-0065-0000 |
| - / 70 | 82 | 0,570 | 0,260 | 31,0 | 1,030 | - | 6 | 450-0070-0000 |
| 3 / 75-76 | 87 | 0,545 | 0,230 | 32,5 | 1,100 | 6 | - | 450-0075-0000 |
| - / 80 | 92 | 0,525 | 0,200 | 34,0 | 1,160 | 6 | - | 450-0080-0000 |
| 3,5 / 89-90 | 102 | 0,485 | 0,140 | 37,0 | 1,300 | 6 | - | 450-0090-0000 |
| 4 / 100-102 | 112 | 0,320 | 0,120 | 28,0 | 1,030 | 6 | - | 450-0100-0000 |
| - / 110 | 122 | 0,300 | 0,105 | 30,0 | 1,130 | 3 6 | - | 450-0110-0000 |
| 4,5 / 114-115 | 127 | 0,290 | 0,098 | 31,5 | 1,170 | 3 6 | - | 450-0115-0000 |
| 4,72 / 120 | 132 | 0,280 | 0,090 | 32,0 | 1,220 | 3 6 | - | 450-0120-0000 |
| 5 / 125-127 | 137 | 0,275 | 0,085 | 33,5 | 1,270 | 3 6 | - | 450-0125-0000 |
| - / 130 | 142 | 0,270 | 0,075 | 34,0 | 1,320 | - | 3 6 | 450-0130-0000 |
| 5,5 / 140 | 152 | 0,255 | 0,060 | 36,0 | 1,420 | 3 6 | - | 450-0140-0000 |
| 6 / 150-152 | 162 | 0,175 | 0,050 | 38,0 | 1,040 | 3 6 | - | 450-0150-0000 |
| 6,3 / 160 | 172 | 0,165 | 0,045 | 40,0 | 1,110 | 3 6 | - | 450-0160-0000 |
| 6,5 / 165 | 177 | 0,160 | 0,040 | 41,0 | 1,140 | - | 3 6 | 450-0165-0000 |
| - / 170 | 182 | 0,160 | 0,040 | 42,0 | 1,170 | 3 6 | - | 450-0170-0000 |
| - / 175 | 187 | 0,155 | 0,040 | 43,5 | 1,210 | - | 3 6 | 450-0175-0000 |
| 7 / 178-180 | 192 | 0,155 | 0,040 | 44,0 | 1,240 | 3 6 | - | 450-0180-0000 |
| 8 / 200-203 | 212 | 0,145 | 0,030 | 48,0 | 1,370 | 3 6 | - | 450-0200-0000 |
| - / 215 | 227 | 0,135 | 0,030 | 51,5 | 1,470 | - | 3 6 | 450-0215-0000 |
| - / 225 | 237 | 0,135 | 0,025 | 53,5 | 1,540 | 3 6 | - | 450-0225-0000 |
| 9 / 228-229 | 240 | 0,130 | 0,025 | 57,0 | 1,560 | - | 3 6 | 450-0228-0000 |
| - / 250 | 262 | 0,100 | 0,025 | 58,0 | 1,710 | 3 6 | - | 450-0250-0000 |

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. Additional technical data at www.norres.com. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.



| I.D. in / mm | O.D. mm | Over- pressure bar | Under- pressure bar | Bending Radius mm | Weight kg/m | Dimensions in Stock m | Further Production Lengths m | Order No. |
|-----------------|------------|--------------------------|---------------------------|-------------------------|----------------|-----------------------------|---------------------------------------|---------------|
| 10 / 254 | 266 | 0,100 | 0,025 | 60,0 | 1,850 | - | 3 6 | 450-0254-0000 |
| - / 275 | 287 | 0,095 | 0,020 | 63,5 | 1,870 | - | 3 6 | 450-0275-0000 |
| 11 / 280 | 292 | 0,090 | 0,020 | 65,0 | 1,960 | - | 3 6 | 450-0280-0000 |
| - / 300 | 312 | 0,090 | 0,015 | 68,0 | 2,040 | 3 6 | - | 450-0300-0000 |
| 12 / 305 | 317 | 0,090 | 0,015 | 69,0 | 2,070 | - | 3 6 | 450-0305-0000 |
| - / 315 | 327 | 0,085 | 0,015 | 70,5 | 2,140 | - | 3 6 | 450-0315-0000 |
| - / 325 | 337 | 0,070 | 0,015 | 73,5 | 2,210 | - | 3 6 | 450-0325-0000 |
| 13 / 330 | 342 | 0,070 | 0,015 | 75,0 | 2,250 | - | 3 6 | 450-0330-0000 |
| - / 350 | 362 | 0,065 | 0,015 | 78,0 | 2,370 | 3 6 | - | 450-0350-0000 |
| 14 / 356 | 368 | 0,065 | 0,015 | 80,0 | 2,400 | - | 3 6 | 450-0356-0000 |
| - / 375 | 387 | 0,065 | 0,010 | 82,5 | 2,500 | - | 3 6 | 450-0375-0000 |
| - / 400 | 412 | 0,060 | 0,010 | 88,0 | 2,710 | 3 6 | - | 450-0400-0000 |
| 16 / 405-406 | 418 | 0,060 | 0,010 | 90,0 | 2,750 | - | 3 6 | 450-0406-0000 |
| - / 450 | 462 | 0,055 | 0,010 | 98,0 | 3,040 | 3 6 | - | 450-0450-0000 |
| 18 / 457 | 469 | 0,050 | 0,010 | 99,5 | 3,090 | - | 3 6 | 450-0457-0000 |
| - / 500 | 512 | 0,035 | 0,005 | 108,0 | 3,370 | 3 6 | - | 450-0500-0000 |
| 20 / 508 | 520 | 0,035 | 0,005 | 110,0 | 3,410 | - | 3 6 | 450-0508-0000 |
| - / 600 | 612 | 0,030 | 0,005 | 128,0 | 4,040 | 3 | - | 450-0600-0000 |
| 24 / 610 | 622 | 0,030 | 0,005 | 130,0 | 4,120 | - | 3 | 450-0610-0000 |
| - / 700 | 712 | 0,025 | 0,002 | 148,0 | 4,710 | 3 | - | 450-0700-0000 |
| 28 / 712 | 724 | 0,025 | 0,002 | 150,5 | 4,790 | - | 3 | 450-0712-0000 |
| - / 750 | 762 | 0,025 | 0,002 | 158,0 | 5,040 | - | 3 | 450-0750-0000 |
| - / 800 | 812 | 0,025 | 0,002 | 168,0 | 5,370 | 3 | - | 450-0800-0000 |
| 32 / 813-815 | 827 | 0,025 | 0,002 | 171,0 | 5,470 | - | 3 | 450-0815-0000 |
| - / 900 | 912 | 0,020 | 0,001 | 188,0 | 6,040 | 3 | - | 450-0900-0000 |
| 36 / 915 | 927 | 0,020 | 0,001 | 191,0 | 6,140 | - | 3 | 450-0915-0000 |
| - / 1000 | 1012 | 0,020 | 0,001 | 208,0 | 6,710 | 3 | - | 450-1000-0000 |
| 40 / 1016 | 1028 | 0,020 | 0,001 | 213,0 | 6,820 | - | 3 | 450-1016-0000 |

Accessories



CLAMP 212



CLAMP 217



CLAMP 213



CONNECT 228



CONNECT 270-271

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