

HIGH-TEMPERATURE

CP HiTex 481

Double-layered high-temperature hose with clamp profile up to 700 °C peak



A step up from the galvanised CP HiTex hoses. CP HiTex® 481 is built with glass-fabric construction and clamp profile — a combination that handles short-term peaks up to +700 °C and is spark-resistant. 42 standard sizes from Ø 50.5 mm to Ø 800 mm cover precision extraction to large furnace and melting systems. The construction is vacuum-oriented and highly flexible.

Media: Gas

✓ Cut to length

APPLICATIONS

- Engine and vehicle exhaust extraction
- Welding fume extraction at robot welding
- High-temperature air supply and drying
- Smoke extraction from kilns and combustion cells
- Dust extraction from hot processes in foundries

Technical specifications

| | |
|--------------------------|--|
| Material | Glass fabric with high-temperature jacket and clamp profile |
| Colour | Grey-silver |
| Wall construction | Double-layered high-temperature fabric with external clamp profile for abrasion and spark protection |
| Spiral material | Stainless steel clamp profile |
| Conveying media | Gas |
| Short-term peak | 700 °C |
| Cut to length | Yes |
| Manufacturer SKU | 4810000 |

Standards and compliance

REACH, RoHS

Dimensions and ordering

The hose is supplied in 42 standard sizes from inner Ø 50.5 mm to 800.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

| Inner Ø [mm] | Outer Ø [mm] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|--------------|--------------|--------------------|----------------|--------------|---------------|----------|-------------|
| 50.5 | 62.5 | - | - | 10 | 0.88 | - | 48100500000 |
| 60 | 72 | 0.29 | 37 | 6 | 1.02 | - | 48100600000 |
| 75.6 | 87.6 | 0.29 | 43 | 15 | 1.27 | 6 | 48100750000 |
| 80 | 92 | 0.25 | 45 | 15 | 1.33 | 6 | 48100800000 |
| 85 | 97 | 0.18 | 47 | 6 | 1.41 | - | 48100850000 |
| 90 | 102 | 0.18 | 49 | 15 | 1.49 | 6 | 48100900000 |
| 101.5 | 113.5 | 0.15 | 53 | 15 | 1.46 | 3, 6 | 48101000000 |
| 101.5 | 113.5 | 0.15 | 53 | 15 | 1.46 | - | 48101020000 |
| 105 | 117 | 0.13 | 55 | 6 | 1.51 | - | 48101050000 |
| 110 | 122 | 0.13 | 57 | 15 | 1.57 | 3, 6 | 48101100000 |
| 115 | 127 | 0.12 | 59 | 15 | 1.64 | 3, 6 | 48101150000 |
| 120 | 132 | 0.11 | 61 | 15 | 1.71 | 3, 6 | 48101200000 |
| 126.5 | 138.5 | 0.1 | 63 | 15 | 1.8 | - | 48101270000 |
| 126.5 | 138.5 | 0.1 | 63 | 15 | 1.8 | 3, 6 | 48101250000 |
| 130 | 142 | 0.095 | 65 | 15 | 1.85 | 3, 6 | 48101300000 |
| 140 | 152 | 0.075 | 69 | 15 | 1.98 | 3, 6 | 48101400000 |
| 151.5 | 163.5 | 0.06 | 73 | 15 | 1.7 | 3, 6 | 48101500000 |
| 160 | 172 | 0.055 | 77 | 15 | 1.79 | 3, 6 | 48101600000 |
| 165 | 177 | 0.05 | 79 | 15 | 1.84 | 3, 6 | 48101650000 |
| 170 | 182 | 0.05 | 81 | 15 | 1.9 | 3, 6 | 48101700000 |
| 175 | 187 | 0.05 | 83 | 15 | 1.95 | 3, 6 | 48101750000 |
| 180 | 192 | 0.05 | 85 | 15 | 2.01 | 3, 6 | 48101800000 |
| 202.3 | 214.3 | 0.04 | 93 | 15 | 2.25 | 3, 6 | 48102000000 |
| 202.3 | 214.3 | 0.04 | 93 | 15 | 2.25 | - | 48102030000 |
| 205 | 217 | 0.03 | 95 | 15 | 2.27 | - | 48102050000 |
| 225 | 237 | 0.03 | 103 | 15 | 2.49 | 3, 6 | 48102250000 |
| 250 | 262 | 0.03 | 113 | 15 | 2.76 | 3, 6 | 48102500000 |
| 254 | 266 | 0.025 | 115 | 15 | 2.8 | 3, 6 | 48102540000 |
| 275 | 287 | 0.025 | 123 | 15 | 3.03 | 3, 6 | 48102750000 |
| 280 | 292 | 0.02 | 125 | 15 | 3.08 | 3, 6 | 48102800000 |
| 300 | 312 | 0.02 | 133 | 15 | 3.3 | 3, 6 | 48103000000 |
| 305 | 317 | 0.02 | 135 | 15 | 3.35 | 3, 6 | 48103050000 |

| Inner Ø [mm] | Outer Ø [mm] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|-----------------|-----------------|-----------------------|-------------------|-----------------|------------------|-------------|-------------|
| 350 | 362 | 0.015 | 153 | 15 | 3.84 | 3, 6 | 48103500000 |
| 356 | 368 | 0.015 | 156 | 10 | 3.9 | 3, 6 | 48103560000 |
| 400 | 412 | 0.015 | 173 | 10 | 4.38 | 3, 6 | 48104000000 |
| 406 | 418 | 0.01 | 176 | 10 | 4.44 | 3, 6 | 48104060000 |
| 450 | 462 | 0.01 | 193 | 10 | 4.92 | 3, 6 | 48104500000 |
| 500 | 512 | 0.005 | 213 | 6 | 5.46 | 3, 6 | 48105000000 |
| 600 | 612 | 0.005 | 253 | 3 | 6.53 | 3 | 48106000000 |
| 610 | 622 | 0.005 | 257 | 3 | 6.64 | 3 | 48106100000 |
| 712 | 724 | 0.005 | 298 | 3 | 7.74 | 3 | 48107120000 |
| 800 | 812 | 0.002 | 333 | 3 | 8.69 | 3 | 48108000000 |

Overpressure and underpressure are recommended operating limits; products can be subjected to higher loads on request. The bend radius is measured along the inside of the hose bend.

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