



Abrasion-proof pressure hose; Hose without reinforcement, smooth interior and exterior

Applications: Pressure hose, especially suitable:

- for compressed air
- for abrasive solids such as dust, powder, fibres and chips
- for gaseous and liquid media

Properties

- highly flexible
- highly abrasion-proof (abrasion resistance about 2.5 to 5 times better than most rubber materials and about 3 to 4 times better than most soft PVC 's)
- smooth interior and exterior
- high tensile strength and tear resistant
- food grade wall, complies with: FDA 21 CFR 177.2600 and 178.2010, EU Directive 2002/72 /EC, incl. amending Directives 975/2009 and Regulation No. 10/2011

- approved by an independent testing laboratory for the complete hose (from an inner diameter of 3.0 mm) acc. to EU Directive 2002/72/EC, incl. amending Directives 2008/39/EC and 975/2009
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to mineral oils and gasoline
- good resistance to chemicals
- good resistance to UV and ozone
- very good low temperature flexibility (better than comparable ester-polyurethanes)
- small bending radius
- free of softener and halogen
- gas and liquid tight
- pressure resistant
- crush-proof
- very robust
- conform to RoHS guideline

Temperature Range

- -40 °C approx. to +90 °C approx.
- short time to +125 °C approx.

Design, material

NORFLEX® design

1. wall interior and exterior smooth
2. wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants

- transparent (standard)
- special colours: full coloured
- customer-specific product marking

| I.D. | | Wall Thickness | O.D. | Rec. Operating limits Overpressure | Bending Radius | Weight | Dimensions Lengths | Order No. |
|--------|-----|----------------|------|---------------------------------------|----------------|--------|--------------------|---------------|
| Inches | mm | mm | mm | bar | mm | kg/m | m | |
| - | 2 | 1,00 | 4 | 20 | 20 | 0,011 | 100 | 401-9020-0000 |
| - | 2,5 | 0,75 | 4 | 13 | 20 | 0,009 | 100 | 401-9025-0000 |
| 1/8" | 3 | 1,00 | 5 | 15 | 20 | 0,015 | 100 | 401-9030-0000 |
| - | 4 | 1,00 | 6 | 13 | 30 | 0,018 | 100 | 401-9040-0000 |
| - | 5 | 1,00 | 7 | 10 | 30 | 0,022 | 100 | 401-9050-0000 |
| - | 5 | 1,50 | 8 | 12 | 35 | 0,036 | 100 | 401-9050-2182 |
| 1/4" | 6 | 1,00 | 8 | 8 | 35 | 0,026 | 100 | 401-9060-0000 |
| 1/4" | 6 | 1,50 | 9 | 10 | 40 | 0,041 | 100 | 401-9060-2182 |
| - | 7 | 1,50 | 10 | 10 | 40 | 0,046 | 100 | 401-9070-0000 |
| 5/16" | 8 | 2,00 | 12 | 12 | 50 | 0,073 | 100 | 401-9080-0000 |
| 5/16" | 8 | 1,00 | 10 | 6 | 35 | 0,033 | 100 | 401-9080-2172 |
| 5/16" | 8 | 1,50 | 11 | 8 | 50 | 0,052 | 100 | 401-9080-2182 |
| - | 9 | 1,50 | 12 | 8 | 50 | 0,057 | 100 | 401-9090-0000 |
| - | 10 | 2,00 | 14 | 11 | 60 | 0,080 | 100 | 401-9100-0000 |
| - | 11 | 2,50 | 16 | 10 | 60 | 0,123 | 50 | 401-9110-0000 |
| - | 12 | 2,00 | 16 | 8 | 70 | 0,102 | 50 | 401-9120-0000 |
| 1/2" | 13 | 2,50 | 18 | 8 | 85 | 0,141 | 50 | 401-9130-0000 |
| - | 19 | 3,00 | 25 | 8 | 125 | 0,241 | 50 | 401-9190-0000 |

Other diameters and lengths available on request. All values indicated here are approximate figures based on a temperature of 20 °C. Data subject to change without notice. Please also refer to our Technical Appendix on www.norres.com; I.D. tolerance: <= 5mm +0,1/-0,2 mm; 5,1 .. 8 mm +0,2/-0,3 mm; > 8,0 mm +3/-3 %; Wall thickness tolerance: <= 0,7 mm +0,1/-0,1 mm; 7,1 .. 1,5mm +0,15/-0,15 mm; > 1,5 mm +10/-10 %

Accessories

13.3.0



NORCLAMP 208