

Food hose and pharmaceutical hose, light

Applications

- flexible hose/ ducting for gases and for abrasive dust, powder, fibres
- food industry, pharmaceutical industry: food-stuff, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- extraction arm
- clean room ventilation, semiconductor production machine
- medical device/ medical technology, health-care sector: cable protection conduit, air supply hose, extraction hose

Properties

- lightweight and reinforced
- highly flexible + compressible 3:1
- abrasion-resistant
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010
- Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline

Temperature Range

- 40°C to 90°C
- short time to 125°C

Design, Material

patented PROTAPE® tape hose

- spring steel wire integrated in wall
- wall: special premium ether-polyurethane (Pre-PUR®)
- wall thickness 0,6 mm approx.

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- customer-specific branding

| I.D. in / mm | O.D. mm | Pressure DIN 26057 (50% Elongation) bar | Vacuum DIN 26057 (axially fixed) bar | Bending Radius mm | Weight kg/m | Dimensions in Stock m | Order No. |
|-----------------|------------|--|---|-------------------------|----------------|-----------------------------|---------------|
| 1 / 25 | 32 | 1,605 (4,18) | 0,540 (1,00) | 20 | 0,15 | 5 10 15 | 330-0025-0000 |
| - / 30 | 37 | 1,350 (3,50) | 0,450 (1,00) | 22 | 0,18 | 5 10 15 | 330-0030-0000 |
| 1,25 / 32 | 39 | 1,265 (3,29) | 0,420 (1,00) | 23 | 0,19 | 5 10 15 | 330-0032-0000 |
| 1,5 / 38 | 45 | 1,075 (2,78) | 0,355 (0,77) | 26 | 0,22 | 5 10 15 | 330-0038-0000 |
| - / 40 | 47 | 1,020 (2,64) | 0,335 (0,69) | 27 | 0,23 | 5 10 15 | 330-0040-0000 |
| 1,75 / 44-45 | 52 | 0,910 (2,35) | 0,300 (0,55) | 30 | 0,26 | 10 15 | 330-0045-0000 |
| 2 / 50-51 | 58 | 0,820 (2,12) | 0,220 (0,87) | 33 | 0,37 | 5 10 15 | 330-0050-0000 |
| 2,36 / 60 | 68 | 0,685 (1,77) | 0,180 (0,61) | 38 | 0,43 | 5 10 15 | 330-0060-0000 |
| 2,5 / 63-65 | 73 | 0,635 (1,64) | 0,165 (0,52) | 41 | 0,46 | 5 10 15 | 330-0065-0000 |
| - / 70 | 78 | 0,590 (1,52) | 0,155 (0,45) | 43 | 0,5 | 5 10 15 | 330-0070-0000 |
| 3 / 75-76 | 83 | 0,550 (1,42) | 0,145 (0,40) | 46 | 0,53 | 5 10 15 | 330-0075-0000 |
| - / 80 | 88 | 0,515 (1,33) | 0,135 (0,35) | 48 | 0,57 | 5 10 15 | 330-0080-0000 |
| 3,5 / 89-90 | 98 | 0,460 (1,19) | 0,120 (0,28) | 53 | 0,63 | 5 10 15 | 330-0090-0000 |
| 4 / 100-102 | 108 | 0,415 (1,07) | 0,080 (0,31) | 58 | 0,67 | 5 10 15 | 330-0100-0000 |
| - / 110 | 118 | 0,375 (0,97) | 0,070 (0,26) | 63 | 0,73 | 5 10 15 | 330-0110-0000 |
| 4,5 / 114-115 | 123 | 0,360 (0,93) | 0,070 (0,24) | 66 | 0,76 | 5 10 15 | 330-0115-0000 |
| 4,72 / 120 | 128 | 0,345 (0,89) | 0,065 (0,22) | 68 | 0,79 | 5 10 15 | 330-0120-0000 |
| 5 / 125-127 | 133 | 0,335 (0,86) | 0,065 (0,20) | 71 | 0,83 | 5 10 15 | 330-0125-0000 |
| - / 130 | 138 | 0,320 (0,82) | 0,060 (0,19) | 73 | 0,85 | 5 10 15 | 330-0130-0000 |
| 5,5 / 140 | 148 | 0,295 (0,76) | 0,055 (0,16) | 78 | 0,92 | 5 10 15 | 330-0140-0000 |
| 6 / 150-152 | 158 | 0,275 (0,71) | 0,055 (0,14) | 83 | 0,99 | 5 10 15 | 330-0150-0000 |
| 6,3 / 160 | 168 | 0,260 (0,67) | 0,050 (0,12) | 88 | 1,04 | 5 10 15 | 330-0160-0000 |
| - / 170 | 178 | 0,245 (0,63) | 0,045 (0,11) | 93 | 1,11 | 5 10 15 | 330-0170-0000 |
| - / 175 | 183 | 0,240 (0,61) | 0,045 (0,10) | 96 | 1,14 | 5 10 15 | 330-0175-0000 |

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.



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|-----------------|------------|--|---|-------------------------|----------------|-----------------------------|---------------|
| 7 / 178-180 | 188 | 0,230 (0,59) | 0,045 (0,10) | 98 | 1,17 | 5 10 15 | 330-0180-0000 |
| 8 / 200-203 | 208 | 0,210 (0,54) | 0,030 (0,11) | 108 | 1,33 | 5 10 | 330-0200-0000 |
| - / 225 | 233 | 0,185 (0,48) | 0,025 (0,09) | 121 | 1,47 | 5 10 15 | 330-0225-0000 |
| - / 250 | 258 | 0,165 (0,43) | 0,025 (0,07) | 133 | 1,63 | 5 10 | 330-0250-0000 |
| 10 / 254 | 262 | 0,165 (0,42) | 0,025 (0,06) | 135 | 1,66 | 5 10 | 330-0254-0000 |
| 11 / 280 | 288 | 0,150 (0,38) | 0,020 (0,05) | 148 | 1,82 | 5 10 | 330-0280-0000 |
| - / 300 | 309 | 0,140 (0,36) | 0,020 (0,05) | 159 | 2,13 | 5 10 | 330-0300-0000 |
| - / 315 | 324 | 0,135 (0,34) | 0,020 (0,05) | 167 | 2,23 | 5 10 | 330-0315-0000 |
| - / 325 | 334 | 0,130 (0,33) | 0,020 (0,04) | 172 | 2,3 | 5 10 | 330-0325-0000 |
| - / 350 | 359 | 0,120 (0,31) | 0,020 (0,04) | 184 | 2,48 | 5 10 | 330-0350-0000 |
| - / 400 | 409 | 0,105 (0,27) | 0,015 (0,02) | 209 | 2,83 | 5 10 | 330-0400-0000 |
| - / 450 | 459 | 0,095 (0,24) | 0,015 (0,02) | 234 | 3,18 | 5 10 | 330-0450-0000 |
| - / 500 | 510 | 0,085 (0,21) | 0,015 (0,02) | 260 | 4,38 | 5 10 | 330-0500-0000 |

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Accessories



CLAMP 212



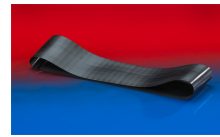
CLAMP 210 BRIDGE CLAMP



CLAMP 217



CLAMP 213



CONNECT 228



CONNECT 223



CONNECT 270-271

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