

Food hose and pharmaceutical hose, light weight

## Application

- flexible hose/ ducting for gases and for abrasive dust, powder, fibers
- food industry, pharmaceutical industry: food, 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 equipment/ medical technology, healthcare 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
- odorless 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
- REACH according to --> Technology / Technical Information / REACH

## Temperature range

- 40 °F to 195 °F
- short time to 255 °F

## Design

- patented PROTAPE® tape hose
- spring steel wire integrated in wall
- wall: special premium ether-polyurethane (Pre-PUR®)
- wall thickness 0.025 in approx.

## Delivery variants

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

| I.D.<br>(in / mm) | outer Ø<br>(in) | Pressure<br>DIN 26057<br>(50%<br>Elongation)<br>(psi) | Vacuum<br>DIN 26057<br>(axially fixed)<br>(inHG) | Bending<br>radius<br>(in) | Weight<br>(lb/ft) | Dimensions<br>in Stock<br>(ft) | Order No.     | Production<br>lengths<br>(ft) |
|-------------------|-----------------|-------------------------------------------------------|--------------------------------------------------|---------------------------|-------------------|--------------------------------|---------------|-------------------------------|
| 1 / 25            | 1.260           | 23.279 (60.627)                                       | 15.946 (29.530)                                  | 0.787                     | 0.101             | 5 10 15                        | 330-0025-0000 | -                             |
| - / 30            | 1.457           | 19.580 (50.764)                                       | 13.289 (29.530)                                  | 0.866                     | 0.121             | 5 10 15                        | 330-0030-0000 | 25 50                         |
| 1,25 / 32         | 1.535           | 18.348 (47.718)                                       | 12.403 (29.530)                                  | 0.906                     | 0.128             | 5 10 15                        | 330-0032-0000 | 25 50                         |
| 1,5 / 38          | 1.772           | 15.592 (40.321)                                       | 10.483 (22.738)                                  | 1.024                     | 0.148             | 5 10 15                        | 330-0038-0000 | -                             |
| - / 40            | 1.850           | 14.794 (38.291)                                       | 9.893 (20.376)                                   | 1.063                     | 0.155             | 5 10 15                        | 330-0040-0000 | 25 50                         |
| 1,75 / 44-45      | 2.047           | 13.199 (34.084)                                       | 8.859 (16.242)                                   | 1.181                     | 0.175             | 10 15                          | 330-0045-0000 | 25 50                         |
| 2 / 50-51         | 2.283           | 11.893 (30.748)                                       | 6.497 (25.691)                                   | 1.299                     | 0.249             | 5 10 15                        | 330-0050-0000 | -                             |
| 2,36 / 60         | 2.677           | 9.935 (25.672)                                        | 5.315 (18.013)                                   | 1.496                     | 0.289             | 5 10 15                        | 330-0060-0000 | 25 50                         |
| 2,5 / 63-65       | 2.874           | 9.210 (23.787)                                        | 4.872 (15.356)                                   | 1.614                     | 0.309             | 5 10 15                        | 330-0065-0000 | -                             |
| - / 70            | 3.071           | 8.557 (22.046)                                        | 4.577 (13.289)                                   | 1.693                     | 0.336             | 5 10 15                        | 330-0070-0000 | 25 50                         |
| 3 / 75-76         | 3.268           | 7.977 (20.596)                                        | 4.282 (11.812)                                   | 1.811                     | 0.356             | 5 10 15                        | 330-0075-0000 | -                             |
| - / 80            | 3.465           | 7.470 (19.290)                                        | 3.987 (10.336)                                   | 1.890                     | 0.383             | 5 10 15                        | 330-0080-0000 | -                             |
| 3,5 / 89-90       | 3.858           | 6.672 (17.260)                                        | 3.544 (8.268)                                    | 2.087                     | 0.423             | 5 10 15                        | 330-0090-0000 | -                             |
| 4 / 100-102       | 4.252           | 6.019 (15.519)                                        | 2.362 (9.154)                                    | 2.283                     | 0.450             | 5 10 15                        | 330-0100-0000 | -                             |
| - / 110           | 4.646           | 5.439 (14.069)                                        | 2.067 (7.678)                                    | 2.480                     | 0.491             | 5 10 15                        | 330-0110-0000 | 25 50                         |
| 4,5 / 114-115     | 4.843           | 5.221 (13.489)                                        | 2.067 (7.087)                                    | 2.598                     | 0.511             | 5 10 15                        | 330-0115-0000 | -                             |
| 4,72 / 120        | 5.039           | 5.004 (12.909)                                        | 1.919 (6.497)                                    | 2.677                     | 0.531             | 5 10 15                        | 330-0120-0000 | 25 50                         |
| 5 / 125-127       | 5.236           | 4.859 (12.473)                                        | 1.919 (5.906)                                    | 2.795                     | 0.558             | 5 10 15                        | 330-0125-0000 | -                             |
| - / 130           | 5.433           | 4.641 (11.893)                                        | 1.772 (5.611)                                    | 2.874                     | 0.571             | 5 10 15                        | 330-0130-0000 | 25 50                         |

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at [www.norres.com/us/technology/](http://www.norres.com/us/technology/). NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68 °F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

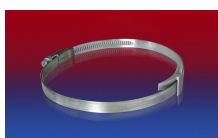
| I.D.        | outer Ø | Pressure<br>DIN 26057<br>(50%<br>Elongation) | Vacuum<br>DIN 26057<br>(axially fixed) | Bending<br>radius | Weight  | Dimensions<br>in Stock | Order No.     | Production<br>lengths |
|-------------|---------|----------------------------------------------|----------------------------------------|-------------------|---------|------------------------|---------------|-----------------------|
| (in / mm)   | (in)    | (psi)                                        | (inHG)                                 | (in)              | (lb/ft) | (ft)                   |               | (ft)                  |
| 5,5 / 140   | 5.827   | 4.279 (11.023)                               | 1.624 (4.725)                          | 3.071             | 0.618   | <b>5 10 15</b>         | 330-0140-0000 | -                     |
| 6 / 150-152 | 6.220   | 3.989 (10.298)                               | 1.624 (4.134)                          | 3.268             | 0.665   | <b>5 10 15</b>         | 330-0150-0000 | -                     |
| 6,3 / 160   | 6.614   | 3.771 (9.718)                                | 1.477 (3.544)                          | 3.465             | 0.699   | <b>5 10 15</b>         | 330-0160-0000 | 25 50                 |
| - / 170     | 7.008   | 3.553 (9.138)                                | 1.329 (3.248)                          | 3.661             | 0.746   | <b>5 10 15</b>         | 330-0170-0000 | 25 50                 |
| - / 175     | 7.205   | 3.481 (8.847)                                | 1.329 (2.953)                          | 3.780             | 0.766   | <b>5 10 15</b>         | 330-0175-0000 | 25 50                 |
| 7 / 178-180 | 7.402   | 3.336 (8.557)                                | 1.329 (2.953)                          | 3.858             | 0.786   | <b>5 10 15</b>         | 330-0180-0000 | -                     |
| 8 / 200-203 | 8.189   | 3.046 (7.832)                                | 0.886 (3.248)                          | 4.252             | 0.894   | <b>5 10</b>            | 330-0200-0000 | -                     |
| - / 225     | 9.173   | 2.683 (6.962)                                | 0.738 (2.658)                          | 4.764             | 0.988   | <b>5 10 15</b>         | 330-0225-0000 | 25 50                 |
| - / 250     | 10.157  | 2.393 (6.237)                                | 0.738 (2.067)                          | 5.236             | 1.095   | <b>5 10</b>            | 330-0250-0000 | 25                    |
| 10 / 254    | 10.315  | 2.393 (6.092)                                | 0.738 (1.772)                          | 5.315             | 1.116   | <b>5 10</b>            | 330-0254-0000 | -                     |
| 11 / 280    | 11.339  | 2.176 (5.512)                                | 0.591 (1.477)                          | 5.827             | 1.223   | <b>5 10</b>            | 330-0280-0000 | 25                    |
| - / 300     | 12.165  | 2.031 (5.221)                                | 0.591 (1.477)                          | 6.260             | 1.431   | <b>5 10</b>            | 330-0300-0000 | 25                    |
| - / 315     | 12.756  | 1.958 (4.931)                                | 0.591 (1.477)                          | 6.575             | 1.499   | <b>5 10</b>            | 330-0315-0000 | 25                    |
| - / 325     | 13.150  | 1.886 (4.786)                                | 0.591 (1.181)                          | 6.772             | 1.546   | <b>5 10</b>            | 330-0325-0000 | 25                    |
| - / 350     | 14.134  | 1.740 (4.496)                                | 0.591 (1.181)                          | 7.244             | 1.667   | <b>5 10</b>            | 330-0350-0000 | 25                    |
| - / 400     | 16.102  | 1.523 (3.916)                                | 0.443 (0.591)                          | 8.228             | 1.902   | <b>5 10</b>            | 330-0400-0000 | 25                    |
| - / 450     | 18.071  | 1.378 (3.481)                                | 0.443 (0.591)                          | 9.213             | 2.137   | <b>5 10</b>            | 330-0450-0000 | 25                    |
| - / 500     | 20.079  | 1.233 (3.046)                                | 0.443 (0.591)                          | 10.236            | 2.944   | <b>5 10</b>            | 330-0500-0000 | 25                    |

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## Accessories



CONNECT 223



CLAMP 210 BRIDGE  
CLAMP



CLAMP 213



CONNECT 228



CLAMP 217



CLAMP 212



CONNECT 270-271