



Antistatic polyurethane hose for the woodworking industry, light weight, flame-resistant

## Application

- extraction unit, dust collection systems, filter system, oil mist extraction
- explosion hazard area
- wood dust extraction, wood chips: furniture production, saw mill
- wood dust extraction: CNC machine, CNC machining center (especially for fast moving systems)
- bellows, compensators

## Properties

- light weight
- highly flexible + compressible 3:1
- abrasion-resistant
- microbe resistant

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- good resistance to oil, gasoline, and chemicals
- flame-retardant according to: DIN 4102-B1
- permanently antistatic wall: according to ISO 8031 electrical and surface resistance  $<10^9 \Omega$  (according to NFPA 652  $10^8$ - $10^9 \Omega$ )
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases)
- conforms to the safety regulations of the German Wood Trade Association
- according to DIN 26057 Type 1
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

## Temperature range

- -40°F to 195°F

## Design

- patented PROTAPE® tape hose
- spring steel wire integrated in wall
- wall: permanently antistatic premium polyurethane (Pre-PUR®), resistant to aggressive wood types and wood preservatives
- wall thickness 0.015 in approx.

## Delivery variants

- further diameters and lengths available on request
- transparent + partially silver colored (standard)
- special colors: partially colored, completely colored
- ID 1,5"/ 38mm 12/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID 12"/315mm 20"/500mm not compressed

| I.D.          | outer Ø | Pressure | Vacuum | Bending radius | Weight  | Dimensions in Stock | Production lengths | Order No.     |
|---------------|---------|----------|--------|----------------|---------|---------------------|--------------------|---------------|
| (in / mm)     | (in)    | (psi)    | (inHG) | (in)           | (lb/ft) | (ft)                | (ft)               |               |
| 2 / 50-51     | 2.283   | 6.962    | 5.020  | 1.299          | 0.161   | 5 10 15             | 25 50              | 531-0050-0000 |
| 2,36 / 60     | 2.677   | 5.874    | 4.282  | 1.496          | 0.228   | 5 10 15             | 25 50              | 531-0060-0000 |
| 2,5 / 63-65   | 2.874   | 5.366    | 3.839  | 1.575          | 0.242   | 5 10 15             | 25 50              | 531-0065-0000 |
| - / 70        | 3.071   | 5.004    | 3.691  | 1.693          | 0.262   | 5 10 15             | 25 50              | 531-0070-0000 |
| 3 / 75-76     | 3.268   | 4.714    | 3.396  | 1.772          | 0.276   | 5 10 15             | 25 50              | 531-0075-0000 |
| - / 80        | 3.465   | 4.424    | 3.248  | 1.890          | 0.296   | 5 10 15             | 25 50              | 531-0080-0000 |
| 3,5 / 89-90   | 3.858   | 3.916    | 2.805  | 2.087          | 0.329   | 5 10 15             | 25 50              | 531-0090-0000 |
| 4 / 100-102   | 4.252   | 3.553    | 1.624  | 2.283          | 0.349   | 5 10 15             | 25 50              | 531-0100-0000 |
| - / 110       | 4.646   | 3.191    | 1.477  | 2.480          | 0.383   | 5 10 15             | 25 50              | 531-0110-0000 |
| 4,5 / 114-115 | 4.843   | 3.046    | 1.477  | 2.598          | 0.397   | 5 10 15             | 25 50              | 531-0115-0000 |
| 4,72 / 120    | 5.039   | 2.973    | 1.329  | 2.677          | 0.417   | 5 10 15             | 25 50              | 531-0120-0000 |
| 5 / 125-127   | 5.236   | 2.828    | 1.329  | 2.795          | 0.430   | 5 10 15             | 25 50              | 531-0125-0000 |
| - / 130       | 5.433   | 2.683    | 1.181  | 2.874          | 0.457   | 5 10 15             | 25 50              | 531-0130-0000 |
| 5,5 / 140     | 5.827   | 2.538    | 1.181  | 3.071          | 0.484   | 5 10 15             | 25 50              | 531-0140-0000 |
| 6 / 150-152   | 6.220   | 2.321    | 1.034  | 3.268          | 0.517   | 5 10 15             | 25 50              | 531-0150-0000 |
| 6,3 / 160     | 6.614   | 2.176    | 1.034  | 3.465          | 0.551   | 5 10 15             | 25 50              | 531-0160-0000 |
| 6,5 / 165     | 6.811   | 2.103    | 1.034  | 3.563          | 0.571   | -                   | 25 50              | 531-0165-0000 |
| - / 170       | 7.008   | 2.031    | 0.886  | 3.661          | 0.585   | -                   | 25 50              | 531-0170-0000 |
| - / 175       | 7.205   | 1.958    | 0.886  | 3.760          | 0.605   | -                   | 25 50              | 531-0175-0000 |
| 7 / 178-180   | 7.402   | 1.958    | 0.886  | 3.858          | 0.618   | 5 10 15             | 25 50              | 531-0180-0000 |
| 8 / 200-203   | 8.189   | 1.740    | 0.738  | 4.252          | 0.699   | 5 10                | 25 50              | 531-0200-0000 |

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.

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|--------------|---------|----------|--------|----------------|---------|---------------------|--------------------|---------------|
| (in / mm)    | (in)    | (psi)    | (inHG) | (in)           | (lb/ft) | (ft)                | (ft)               |               |
| - / 225      | 9.173   | 1.595    | 0.591  | 4.803          | 0.786   | -                   | 25 50              | 531-0225-0000 |
| 9 / 228-229  | 9.291   | 1.595    | 0.591  | 4.882          | 0.800   | -                   | 25 50              | 531-0228-0000 |
| - / 250      | 10.157  | 1.450    | 0.591  | 5.354          | 0.874   | <b>5 10</b>         | 25 50              | 531-0250-0000 |
| 10 / 254     | 10.315  | 1.450    | 0.591  | 5.433          | 0.887   | -                   | 25 50              | 531-0254-0000 |
| - / 275      | 11.142  | 1.305    | 0.591  | 5.787          | 0.961   | -                   | 25 50              | 531-0275-0000 |
| 11 / 280     | 11.339  | 1.233    | 0.591  | 5.866          | 0.974   | <b>5 10 15</b>      | 25 50              | 531-0280-0000 |
| - / 300      | 12.165  | 1.160    | 0.443  | 6.260          | 1.163   | <b>5 10 15</b>      | 25 50              | 531-0300-0000 |
| 12 / 305     | 12.362  | 1.160    | 0.443  | 6.378          | 1.183   | -                   | 25 50              | 531-0305-0000 |
| - / 315      | 12.756  | 1.088    | 0.443  | 6.594          | 1.223   | <b>5 10 15</b>      | 25 50              | 531-0315-0000 |
| - / 350      | 14.134  | 1.015    | 0.443  | 7.283          | 1.351   | <b>5 10 15</b>      | 25 50              | 531-0350-0000 |
| 14 / 356     | 14.370  | 1.015    | 0.443  | 7.402          | 1.371   | -                   | 25 50              | 531-0356-0000 |
| - / 400      | 16.102  | 0.870    | 0.443  | 8.268          | 1.546   | <b>5 10 15</b>      | 25 50              | 531-0400-0000 |
| 16 / 405-406 | 16.339  | 0.870    | 0.443  | 8.366          | 1.566   | -                   | 25 50              | 531-0406-0000 |

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## Accessories



CLAMP 217



CONNECT 270-271



CLAMP 213



CONNECT 223



CLAMP 210 BRIDGE CLAMP



CONNECT 228



CLAMP 212