

**Abrasion-proof suction and blast hose; Super-light, highly flexible + compressible 4:1**

**Applications:** Abrasion-proof suction and blast hose, especially suitable:

- for abrasive solids such as dust, powder, fibres and chips
- for gaseous media such as oil vapors and welding smoke
- for de-dusting and suction plants

**Properties**

- excellent value for money (patented process, always shipped compressed, low transport costs and risk, occupies minimal space in warehouse)
- super-light model
- highly flexible + compressible 4:1
- 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)
- high tensile strength and tear resistant

- good resistance to mineral oils and gasoline
- good resistance to chemicals
- good resistance to UV and ozone
- small bending radius
- kink-proof
- free of softener and halogen
- gas and liquid tight
- conform to RoHS guideline
- according to German TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding the spiral (Ø to 149mm), recommended for many applications with the exception of inflammable bulk materials

**Temperature Range**

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

**Design, material**

PROTAPE® tape hose

1. spring steel wire integrated in wall
2. extruded tape  
wall: special premium ester-polyurethane (Pre-PUR®)
3. wall thickness 0.4 mm approx.

**Delivery variants**

- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific product marking
- wall: microbe and hydrolysis resistant premium ether-polyurethane (Pre-PUR®)
- wall: „bioplastic“ derived from renewable raw materials

| I.D.<br>mm | O.D.<br>mm | Rec. operating limits |               | Bending<br>Radius<br>mm | Weight<br>kg/m | Stock Lengths<br>m | Further Production Lengths<br>m | Order No.     |
|------------|------------|-----------------------|---------------|-------------------------|----------------|--------------------|---------------------------------|---------------|
|            |            | Overpressure<br>bar   | Vacuum<br>bar |                         |                |                    |                                 |               |
| 38         | 46         | 0,610                 | 0,265         | 46                      | 0,220          | 5 10               | 15                              | 301-0038-0000 |
| 40         | 48         | 0,590                 | 0,250         | 48                      | 0,230          | 5 10               | 15                              | 301-0040-0000 |
| 45         | 53         | 0,530                 | 0,235         | 53                      | 0,255          | -                  | 5 10 15                         | 301-0045-0000 |
| 50         | 58         | 0,490                 | 0,216         | 58                      | 0,280          | 5 10               | 15                              | 301-0050-0000 |
| 51         | 59         | 0,485                 | 0,216         | 59                      | 0,290          | 5 10               | 15                              | 301-0051-0000 |
| 60         | 68         | 0,410                 | 0,171         | 68                      | 0,340          | 5 10               | 15                              | 301-0060-0000 |
| 63         | 71         | 0,390                 | 0,150         | 71                      | 0,350          | 5 10               | 15                              | 301-0063-0000 |
| 65         | 73         | 0,380                 | 0,150         | 73                      | 0,360          | 5 10               | 15                              | 301-0065-0000 |
| 70         | 78         | 0,350                 | 0,126         | 78                      | 0,380          | 5 10               | 15                              | 301-0070-0000 |
| 75         | 83         | 0,330                 | 0,117         | 83                      | 0,410          | 5 10               | 15                              | 301-0075-0000 |
| 76         | 84         | 0,325                 | 0,117         | 84                      | 0,420          | 5 10               | 15                              | 301-0076-0000 |
| 80         | 88         | 0,310                 | 0,108         | 88                      | 0,440          | 5 10               | 15                              | 301-0080-0000 |
| 90         | 98         | 0,285                 | 0,090         | 98                      | 0,490          | 5 10               | 15                              | 301-0090-0000 |
| 100        | 108        | 0,250                 | 0,072         | 108                     | 0,510          | 5 10               | 15                              | 301-0100-0000 |
| 102        | 110        | 0,245                 | 0,072         | 110                     | 0,520          | 5 10               | 15                              | 301-0102-0000 |
| 110        | 118        | 0,225                 | 0,066         | 118                     | 0,560          | -                  | 5 10 15                         | 301-0110-0000 |
| 115        | 123        | 0,215                 | 0,064         | 123                     | 0,580          | -                  | 5 10 15                         | 301-0115-0000 |
| 120        | 128        | 0,205                 | 0,063         | 128                     | 0,610          | 5 10               | 15                              | 301-0120-0000 |
| 125        | 133        | 0,200                 | 0,050         | 133                     | 0,630          | 5 10               | 15                              | 301-0125-0000 |
| 127        | 135        | 0,195                 | 0,050         | 135                     | 0,640          | 5 10               | 15                              | 301-0127-0000 |
| 130        | 138        | 0,190                 | 0,050         | 138                     | 0,660          | -                  | 5 10 15                         | 301-0130-0000 |
| 140        | 148        | 0,175                 | 0,050         | 148                     | 0,710          | 5 10               | 15                              | 301-0140-0000 |
| 150        | 158        | 0,165                 | 0,050         | 158                     | 0,760          | 5 10               | 15                              | 301-0150-0000 |
| 152        | 160        | 0,165                 | 0,050         | 160                     | 0,780          | 5 10               | 15                              | 301-0152-0000 |
| 160        | 168        | 0,155                 | 0,043         | 168                     | 0,810          | 5 10               | 15                              | 301-0160-0000 |
| 170        | 178        | 0,145                 | 0,038         | 178                     | 0,860          | -                  | 5 10 15                         | 301-0170-0000 |
| 175        | 183        | 0,140                 | 0,036         | 183                     | 0,880          | -                  | 5 10 15                         | 301-0175-0000 |
| 178        | 186        | 0,140                 | 0,036         | 186                     | 0,890          | -                  | 5 10 15                         | 301-0178-0000 |
| 180        | 188        | 0,135                 | 0,033         | 188                     | 0,900          | 5 10               | 15                              | 301-0180-0000 |
| 200        | 208        | 0,120                 | 0,033         | 208                     | 1,030          | 5 10               | 15                              | 301-0200-0000 |



| I.D. | O.D. | Rec. operating limits |        | Bending Radius | Weight | Stock Lengths | Further Production Lengths | Order No.     |
|------|------|-----------------------|--------|----------------|--------|---------------|----------------------------|---------------|
|      |      | Overpressure          | Vacuum |                |        |               |                            |               |
| mm   | mm   | bar                   | bar    | mm             | kg/m   | m             | m                          |               |
| 203  | 212  | 0,120                 | 0,033  | 212            | 1,080  | -             | 5 10 15                    | 301-0203-0000 |
| 225  | 234  | 0,110                 | 0,023  | 234            | 1,160  | -             | 5 10 15                    | 301-0225-0000 |
| 228  | 237  | 0,110                 | 0,023  | 237            | 1,190  | -             | 5 10 15                    | 301-0228-0000 |
| 250  | 269  | 0,100                 | 0,015  | 269            | 1,280  | <b>5 10</b>   | 15                         | 301-0250-0000 |
| 254  | 263  | 0,098                 | 0,014  | 263            | 1,300  | -             | 5 10                       | 301-0254-0000 |
| 275  | 284  | 0,090                 | 0,012  | 284            | 1,400  | -             | 5 10                       | 301-0275-0000 |
| 280  | 289  | 0,090                 | 0,012  | 289            | 1,430  | -             | 5 10                       | 301-0280-0000 |
| 300  | 309  | 0,080                 | 0,011  | 309            | 1,700  | -             | 5 10                       | 301-0300-0000 |
| 305  | 315  | 0,080                 | 0,011  | 315            | 1,730  | -             | 5 10                       | 301-0305-0000 |
| 315  | 325  | 0,076                 | 0,010  | 325            | 1,790  | -             | 5 10                       | 301-0315-0000 |
| 325  | 335  | 0,075                 | 0,010  | 335            | 1,850  | -             | 5 10                       | 301-0325-0000 |
| 350  | 360  | 0,070                 | 0,005  | 360            | 2,000  | -             | 5 10                       | 301-0350-0000 |
| 400  | 410  | 0,060                 | 0,005  | 410            | 2,260  | -             | 5 10                       | 301-0400-0000 |
| 450  | 460  | 0,055                 | 0,005  | 460            | 2,520  | -             | 5 10                       | 301-0450-0000 |
| 500  | 510  | 0,050                 | 0,005  | 510            | 2,780  | -             | 5 10                       | 301-0500-0000 |

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](http://www.norres.com).

## Accessories

13.1.0



NORCLAMP 212

13.6.0



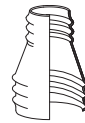
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13.7.0



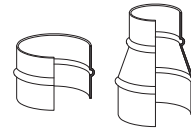
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NORCONNECT 223

13.18.0



NORCONNECT 270-271