

Flame-retardant suction and blast hose for the wood industry; Heavy, smooth interior, abrasion-proof

Applications: Special suction and transport hose in flame-retardant polyurethane resistant to aggressive wood types and wood preservatives, especially suitable:

- for the suction of wood dust and wood chips on wood processing machines
• for abrasive solids such as dust, powder, fibres, chips and granulates
• for de-dusting and suction plants

Properties

- conforms to the safety regulations of the German Wood Trade Association
• heavy model
• 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
• optimized flow properties
• flexible

- high tensile strength and tear resistant
• microbe and hydrolysis resistant
• good resistance to mineral oils and gasoline
• good resistance to chemicals
• good resistance to UV and ozone
• small bending radius
• kink-proof
• halogen free
• gas and liquid tight
• flame-retardant according to: UL94-V0, DIN 4102-B1
• conform to RoHS guideline
• according to German TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding the spiral, 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

AIRDUC® profile hose

- 1. spring steel wire firmly embedded in wall
2. profile with optimised flow properties
wall: premium polyurethane, resistant to aggressive wood types and wood preservatives, with flame-retardant additive (Pre-PUR®)
3. wall thickness 0.7 mm approx.

Delivery variants

- cut lengths and special lengths
• transparent + partially silver coloured (standard)
• special colours: partially coloured, completely coloured
• customer-specific product marking
• as a pre-assembled hose system with CONNECT connectors
• customised connectors

Table with 8 columns: I.D., O.D., Rec. operating limits Vacuum, Bending Radius, Weight, Stock Lengths, Further Production Lengths, Order No. Rows range from 40mm to 200mm I.D.

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| I.D. | O.D. | Rec. operating limits Vacuum | Bending Radius | Weight | Stock Lengths | Further Production Lengths | Order No. |
|------|------|---------------------------------|-------------------|--------|---------------|----------------------------|---------------|
| mm | mm | bar | mm | kg/m | m | m | |
| 203 | 212 | 0,055 | 233 | 2,030 | - | 10 15 | 533-0203-5070 |
| 225 | 234 | 0,040 | 257 | 2,030 | 10 | 15 | 533-0225-5070 |
| 250 | 259 | 0,020 | 285 | 2,250 | 10 | 15 | 533-0250-5070 |
| 254 | 263 | 0,020 | 290 | 2,290 | - | 10 15 | 533-0254-5070 |
| 275 | 284 | 0,020 | 312 | 2,470 | - | 10 | 533-0275-5070 |
| 280 | 289 | 0,020 | 318 | 2,510 | 10 | - | 533-0280-5070 |
| 300 | 309 | 0,020 | 340 | 2,690 | 10 | - | 533-0300-5070 |
| 305 | 314 | 0,020 | 345 | 2,730 | - | 10 | 533-0305-5070 |
| 315 | 324 | 0,020 | 356 | 2,820 | 10 | - | 533-0315-5070 |
| 325 | 334 | 0,015 | 367 | 2,910 | - | 10 | 533-0325-5070 |
| 350 | 359 | 0,015 | 395 | 3,130 | 10 | - | 533-0350-5070 |
| 375 | 384 | 0,010 | 424 | 3,770 | - | 10 | 533-0375-5070 |
| 400 | 409 | 0,010 | 450 | 4,020 | 10 | - | 533-0400-5070 |

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.

Accessories

13.1.0



CLAMP 212

13.6.0



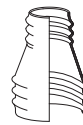
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13.7.0



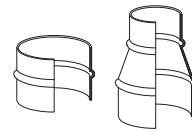
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13.14.0



CONNECT 223

13.18.0



CONNECT 270-271

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