

Antistatic polyurethane hose, super-heavy duty, microbe resistant

Applications

- hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
- plastic industry, conveying of granulates and powders: granulate conveying device, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine
- suction vehicles: roof gravelling, roof gravel conveying
- vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning
- suction excavator
- explosion hazard area
- agricultural industry: pneumatic grain conveyer
- concrete pump: outlet hose, discharge hose
- construction industry: rock drill, rock drilling machine
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
- compressor, side channel blower, vacuum pump, pressure pump, pump
- paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems

- surface preparation: shot blasting/ sand blasting recovery (blasting chamber), ship yard, stripping machine, flooring preparation machine, grinding machine
- silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder

Properties

- super-heavy duty
- extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch
- very high pressure, vacuum and compression resistance
- microbe resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- permanently antistatic wall: electrical and surface resistance <math><10^9 \Omega</math>
- in accordance with ATEX 2014/34/EU and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable

- liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- according to DIN 26057 Type 4
- conforms to RoHS guideline

Temperature range

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

Design, material

AIRDUC® profile hose

1. spring steel wire firmly embedded in the wall
2. wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
3. wall thickness 0.08 - 0.10 inch approximate
4. reinforcement of the primary abrasion areas

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: full colored
- customer-specific branding

| I.D. in / mm | O.D. in | Pressure DIN 26057 (50% elongation) psi | Vacuum DIN 26057 (axially fixed) inHG | Bending Radius in | Weight lbs./ft | Stock length ft | Further production lengths ft | Order No. |
|-----------------|------------|--|--|-------------------------|-------------------|-----------------------|--|---------------|
| 1.25 / 32 | 1.69 | 75.95 (-) | 29.55 (-) | 3.54 | 0.455 | - | 25 50 | 356-0032-0000 |
| 1.5 / 38 | 1.93 | 64.90 (-) | 29.55 (-) | 4.09 | 0.530 | 25 50 | - | 356-0038-0000 |
| - / 40 | 2.00 | 61.95 (-) | 29.55 (-) | 4.29 | 0.550 | 25 50 | - | 356-0040-0000 |
| 1.75 / 45 | 2.20 | 55.50 (-) | 29.55 (-) | 5.06 | 0.610 | - | 25 50 | 356-0045-0000 |
| - / 50 | 2.40 | 50.35 (-) | 29.55 (-) | 5.28 | 0.670 | - | 25 50 | 356-0050-0000 |
| 2 / 51 | 2.44 | 46.40 (-) | 29.55 (-) | 5.28 | 0.690 | 25 50 | - | 356-0051-0000 |
| - / 55 | 2.60 | 46.00 (-) | 29.55 (-) | 5.93 | 0.730 | - | 25 50 | 356-0055-0000 |
| 2.36 / 60 | 2.80 | 42.35 (-) | 29.55 (-) | 6.14 | 0.795 | 25 50 | - | 356-0060-0000 |
| - / 63 | 2.91 | 40.75 (-) | 29.55 (-) | 6.42 | 0.830 | 25 50 | - | 356-0063-0000 |
| 2.5 / 65 | 3.00 | 39.25 (-) | 29.55 (-) | 6.65 | 0.855 | - | 25 50 | 356-0065-0000 |
| - / 70 | 3.20 | 36.55 (-) | 29.55 (-) | 7.32 | 0.920 | 25 50 | - | 356-0070-0000 |
| - / 75 | 3.43 | 34.25 (-) | 29.55 (-) | 7.68 | 0.980 | - | 25 50 | 356-0075-0000 |
| 3 / 76 | 3.46 | 34.15 (-) | 29.55 (-) | 7.68 | 0.990 | 25 50 | - | 356-0076-0000 |
| - / 80 | 3.62 | 32.20 (-) | 29.55 (-) | 8.07 | 1.040 | - | 25 50 | 356-0080-0000 |
| - / 90 | 4.06 | 31.85 (-) | 29.55 (-) | 9.84 | 1.385 | - | 25 50 | 356-0090-0000 |
| - / 100 | 4.45 | 28.70 (-) | 29.55 (-) | 10.71 | 1.525 | - | 25 50 | 356-0100-0000 |
| 4 / 102 | 4.53 | 27.40 (-) | 29.55 (-) | 10.71 | 1.550 | 25 50 | - | 356-0102-0000 |
| - / 110 | 4.84 | 26.20 (-) | 29.55 (-) | 11.81 | 1.665 | - | 25 50 | 356-0110-0000 |

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. 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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|-----------------|------------|--|--|-------------------------|-------------------|-----------------------|--|---------------|
| 4.5 / 115 | 5,04 | 25.10 (-) | 28.79 (-) | 12.48 | 1.735 | - | 25 50 | 356-0115-0000 |
| 4.72 / 120 | 5,24 | 24.10 (-) | 27.46 (-) | 12.99 | 1.810 | - | 25 50 | 356-0120-0000 |
| - / 125 | 5,43 | 23.15 (-) | 26.43 (-) | 13.23 | 1.880 | - | 25 50 | 356-0125-0000 |
| 5 / 127 | 5,51 | 22.70 (-) | 26.28 (-) | 13.23 | 1.910 | 25 50 | - | 356-0127-0000 |
| - / 130 | 5,63 | 22.25 (-) | 25.40 (-) | 13.98 | 1.950 | - | 25 50 | 356-0130-0000 |
| 5.5 / 140 | 6,02 | 20.75 (-) | 23.62 (-) | 15.75 | 2.090 | 25 50 | - | 356-0140-0000 |
| - / 150 | 6,42 | 19.35 (-) | 22.00 (-) | 17.13 | 2.475 | - | 25 50 | 356-0150-0000 |
| 6 / 152 | 6,50 | 18.95 (-) | 24.66 (-) | 17.13 | 2.500 | 25 50 | - | 356-0152-0000 |
| 6.3 / 160 | 6,81 | 18.20 (-) | 20.67 (-) | 18.50 | 2.625 | - | 25 50 | 356-0160-0000 |
| - / 170 | 7,20 | 17.10 (-) | 19.49 (-) | 23.62 | 2.790 | - | 25 50 | 356-0170-0000 |
| - / 175 | 7,40 | 16.70 (-) | 18.90 (-) | 27.56 | 2.865 | - | 25 50 | 356-0175-0000 |
| - / 180 | 7,60 | 16.25 (-) | 18.31 (-) | 32.68 | 2.945 | - | 25 50 | 356-0180-0000 |
| - / 200 | 8,43 | 14.65 (-) | 16.54 (-) | 37.40 | 3.991 | - | 25 | 356-0200-0000 |
| 8 / 203 | 8,50 | 13.85 (-) | 16.24 (-) | 37.40 | 4.045 | 25 50 | - | 356-0203-0000 |
| - / 225 | 9,41 | 13.05 (-) | 14.62 (-) | 46.26 | 4.469 | - | 25 | 356-0225-0000 |
| - / 250 | 10,39 | 11.75 (-) | 13.14 (-) | 51.18 | 4.940 | - | 25 | 356-0250-0000 |
| - / 275 | 11,38 | 10.65 (-) | 11.96 (-) | 57.18 | 5.425 | - | 25 | 356-0275-0000 |
| - / 300 | 12,36 | 9.80 (-) | 11.07 (-) | 62.01 | 5.900 | - | 25 | 356-0300-0000 |

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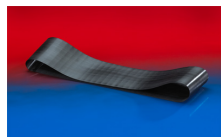
Accessories



CLAMP 216



CLAMP 211



CONNECT 228



CONNECT SAFETY
CLAMP ASSEMBLY 231



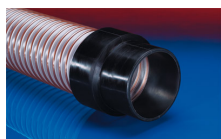
CONNECT PRESS
ASSEMBLY 232



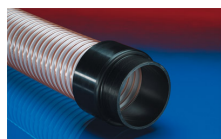
CONNECT MOULD
ASSEMBLY 233



CONNECT THREAD
FITTING 234



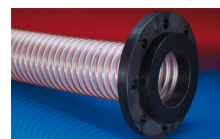
CONNECT 240 + 241



CONNECT 242



CONNECT 243



CONNECT 244



CONNECT 245
VAC-TRUCK



CONNECT 245



CONNECT 246

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