



Food hose and pharmaceutical hose, extremely heavy duty

Application

- hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
- food industry, pharmaceutical industry: food, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
- 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
- silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of e.g. rice, dry food, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

Properties

- extremely heavy duty
- extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch

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- very high pressure, vacuum and compression resistance
- 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
- very good low temperature flexibility
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

- short time to 255 °F

Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: special premium ether-polyurethane (Pre-PUR®)
- wall thickness 0.12 to 0.14 in approx.
- reinforcement of the primary abrasion areas

Delivery variants

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

Temperature range

- -40 °F to 195 °F

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
- / 50	2.638	58.959	29.530	7.441	1.001	10	356-0050-5100
2 / 51	2.677	55.840	29.530	7.559	1.008	10	356-0051-5100
2,36 / 60	3.031	50.111	29.530	8.504	1.183	10	356-0060-5100
2,5 / 63-65	3.150	48.298	29.530	8.819	1.216	10	356-0063-5100
- / 65	3.228	46.558	29.530	9.055	1.270	10	356-0065-5100
- / 75	3.622	40.829	29.530	10.118	1.371	10	356-0075-5100
3 / 76	3.425	40.611	29.530	10.197	1.398	10	356-0076-5100
- / 80	3.819	38.508	29.530	10.630	1.546	10	356-0080-5100
3,5 / 89-90	4.173	34.520	29.530	11.614	1.909	10	356-0089-5100
- / 90	4.213	34.520	29.530	11.693	1.949	10	356-0090-5100
- / 100	4.606	31.256	29.530	12.756	2.151	10	356-0100-5100
4 / 102	4.685	29.081	29.530	12.992	2.191	10	356-0102-5100
4,5 / 114-115	5.197	27.413	27.168	14.370	2.446	10	356-0115-5100
- / 125	5.591	25.309	24.953	15.433	2.655	10	356-0125-5100
5 / 127	5.669	24.874	24.805	15.669	2.695	10	356-0127-5100

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/. 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	Vacuum	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
- / 150	6.575	21.248	22.443	18.110	3.394	10	356-0150-5100
6 / 152	6.654	19.653	22.148	18.307	3.434	10	356-0152-5100

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Accessories



CLAMP 211



CONNECT STORZ
DIN ALU 251



CONNECT 230



CONNECT KAMLOK
ALU 253



CONNECT KARDAN
254



CONNECT TANK
TRUCK BRASS 252