

Antistatic polyurethane hose, super-heavy, microbe resistant

Applications

- flexible 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 e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine
- silos, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silos, 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 $<10^9 \Omega$
- 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°C to 90°C
- short time to 125°C

Design, Material

AIRDUC® profile hose

- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 2,0 to 2,5 mm approx.
- reinforcement of the primary abrasion areas

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colours: full coloured
- customer-specific product marking

I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
1,25 / 32	43	5,150	1,000	90	0,680	10 15	-	356-0032-0000
1,5 / 38	49	4,380	1,000	104	0,790	10 15	-	356-0038-0000
- / 40	51	4,170	1,000	109	0,820	10 15	-	356-0040-0000
1,75 / 45	56	3,750	1,000	129	0,910	10	15 20	356-0045-0000
- / 50	61	3,650	1,000	134	1,000	10 15	-	356-0050-0000
2 / 51	62	3,600	1,000	134	1,020	10 15	-	356-0051-0000
- / 55	66	3,420	1,000	151	1,090	10 15	-	356-0055-0000
2,36 / 60	71	3,150	1,000	156	1,180	10 15	-	356-0060-0000
2,5 / 63	74	3,000	1,000	163	1,230	10 15	-	356-0063-0000
- / 65	76	2,910	1,000	169	1,270	10	15	356-0065-0000
- / 70	82	2,710	1,000	186	1,370	10	15	356-0070-0000
- / 75	87	2,540	1,000	195	1,460	10 15	-	356-0075-0000
3 / 76	88	2,500	1,000	195	1,470	10 15	-	356-0076-0000
- / 80	92	2,380	1,000	205	1,550	10 15	-	356-0080-0000
3,5 / 89	101	2,100	1,000	250	1,700	-	10 15	356-0089-0000
- / 90	103	2,120	1,000	250	2,060	10	15	356-0090-0000
- / 100	113	1,910	1,000	272	2,270	10 15	-	356-0100-0000

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. Additional technical data at www.norres.com. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.



I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
4 / 102	115	1,880	1,000	272	2,310	10 15	-	356-0102-0000
- / 110	123	1,740	0,985	300	2,480	10	15	356-0110-0000
4,5 / 115	128	1,670	0,960	317	2,580	10	15	356-0115-0000
4,72 / 120	133	1,600	0,935	330	2,690	10	15	356-0120-0000
- / 125	138	1,540	0,900	336	2,800	10 15	20	356-0125-0000
5 / 127	140	1,510	0,890	336	2,840	10 15	-	356-0127-0000
- / 130	143	1,480	0,865	355	2,900	-	10 15	356-0130-0000
5,5 / 140	153	1,375	0,840	400	3,110	10	15	356-0140-0000
- / 150	163	1,280	0,840	435	3,680	10 15	-	356-0150-0000
6 / 152	165	1,270	0,835	435	3,720	10 15	-	356-0152-0000
6,3 / 160	173	1,210	0,805	470	3,910	10	15	356-0160-0000
6,5 / 165	178	1,175	0,790	550	4,030	-	10 15	356-0165-0000
- / 170	183	1,135	0,780	600	4,150	-	10 15	356-0170-0000
- / 175	188	1,105	0,755	700	4,260	10	15	356-0175-0000
7 / 178	191	1,050	0,750	820	4,640	-	10 15	356-0178-0000
- / 180	193	1,070	0,740	830	4,380	10	15	356-0180-0000
- / 200	214	0,970	0,660	950	4,860	10	15	356-0200-0000
8 / 203	216	0,840	0,700	950	5,510	10	15	356-0203-0000
- / 225	239	0,860	0,565	1175	5,450	10	-	356-0225-0000
9 / 228	242	0,870	0,515	1175	6,060	-	10	356-0228-0000
- / 250	264	0,780	0,410	1300	7,350	2,5 5 10	-	356-0250-0000
10 / 254	278	0,765	0,380	1300	7,470	-	2,5 5 10	356-0254-0000
- / 275	289	0,705	0,275	1453	8,070	-	2,5 5 10	356-0275-0000
11 / 280	294	0,680	0,250	1502	8,210	-	2,5 5 10	356-0280-0000
- / 300	314	0,650	0,215	1575	8,780	2,5 5 10	-	356-0300-0000
12 / 305	319	0,630	0,200	1600	8,930	-	2,5 5 10	356-0305-0000

All stated data are approx. figures based on a temperature of 20°C. Engineering modifications subject to change. Please refer to the technical appendix.

Accessories



CLAMP 216



CLAMP 211



CONNECT 228



CONNECT SAFETY
CLAMP ASSEMBLY 231



CONNECT PRESS
ASSEMBLY 232



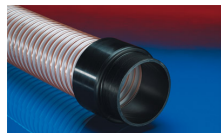
CONNECT MOULD
ASSEMBLY 233



CONNECT THREAD
FITTING 234



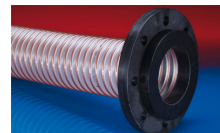
CONNECT 240 + 241



CONNECT 242



CONNECT 243



CONNECT 244



CONNECT 245 CONE
FLANGE



CONNECT 245



CONNECT 246

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. Additional technical data at www.norres.com. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.