

Antistatic polyurethane hose, heavy, microbe resistant

## Application

- flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases
- plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine
- printed circuit board drilling machine (PCB)
- powder spraying, powder coating: e.g. printing industry
- offset printing machine: air supply, air supply cabinet
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- agricultural industry, conveying of seed and fertilizers: seeding machine, seed drill, drilling machine
- agricultural industry: pneumatic grain conveyer
- construction industry, road milling 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

- municipal vehicle: sweeper, sweeping machine
- municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector

## Properties

- heavy duty
- highly abrasion resistant
- increased pressure and vacuum resistance
- microbe resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- permanently antistatic wall: according to ISO 8031 electrical and surface resistance  $<10^9 \Omega$  (according to TRGS 727  $<2,5 \cdot 10^9 \Omega \cdot m$  and NFPA 652  $10^8 - 10^9 \Omega$ )
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: 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 3
- REACH according to --> Technology / Technical Information / REACH

## Temperature Range

### Temperature Range

- 40°C to 90°C
- short time to 125°C

## Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 1,4 - 1,5 mm approx.

## Delivery variants

- further diameters and lengths available on request
- customer-specific branding
- Available in 5m, 10m and 15m lengths
- Wall black and colored helix: blue, green, red, yellow (standard)
- further colors on request

I.D. (in / mm)	outer Ø (mm)	Pressure DIN 26057 (50% Elongation) (bar)	Vacuum DIN 26057 (axially fixed) (bar)	Bending Radius (mm)	Weight (kg/m)	Minimum Quantity (m)	Order No.
<b>black + blue</b>							
1,25 / 32	42.00	3,770 (7,15)	1,000 (1,00)	26.00	0.44	150	355-0032-0996
1,5 / 38	48.00	3,215 (6,07)	1,000 (1,00)	29.00	0.52	150	355-0038-0996
- / 40	50.00	3,065 (5,78)	1,000 (1,00)	30.00	0.54	150	355-0040-0996
2 / 50-51	60.00	2,485 (4,67)	0,825 (1,00)	35.00	0.66	150	355-0050-0996
2,36 / 60	70.00	2,090 (3,91)	0,685 (1,00)	40.00	0.78	150	355-0060-0996
2,5 / 63-65	75.00	1,935 (3,62)	0,635 (1,00)	43.00	0.84	150	355-0065-0996
- / 70	81.00	1,800 (3,37)	0,540 (1,00)	62.00	0.98	150	355-0070-0996

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. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/)



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3 / 75-76	86.00	1,685 (3,15)	0,505 (1,00)	66.00	1.05	100	355-0075-0996
- / 80	91.00	1,585 (2,96)	0,475 (1,00)	69.00	1.11	100	355-0080-0996
- / 85	96.00	1,545 (2,85)	0,465 (0,95)	73.00	1.21	100	355-0085-0996
4 / 100-102	111.00	1,275 (2,38)	0,390 (0,93)	83.00	1.49	100	355-0100-0996
5 / 125-127	136.00	1,025 (1,91)	0,315 (0,60)	101.00	1.84	100	355-0125-0996
5,5 / 140	151.00	0,920 (1,71)	0,280 (0,48)	111.00	2.03	80	355-0140-0996
6 / 150-152	161.00	0,860 (1,59)	0,270 (0,53)	118.00	2.41	80	355-0150-0996
6,3 / 160	171.00	0,805 (1,50)	0,255 (0,47)	125.00	2.56	80	355-0160-0996
8 / 200-203	213.00	0,645 (1,20)	0,150 (0,36)	156.00	3.12	60	355-0200-0996

### black + green

1,25 / 32	42.00	3,770 (7,15)	1,000 (1,00)	26.00	0.44	150	355-0032-0997
1,5 / 38	48.00	3,215 (6,07)	1,000 (1,00)	29.00	0.52	150	355-0038-0997
- / 40	50.00	3,065 (5,78)	1,000 (1,00)	30.00	0.54	150	355-0040-0997
2 / 50-51	60.00	2,485 (4,67)	0,825 (1,00)	35.00	0.66	150	355-0050-0997
2,36 / 60	70.00	2,090 (3,91)	0,685 (1,00)	40.00	0.78	150	355-0060-0997
2,5 / 63-65	75.00	1,935 (3,62)	0,635 (1,00)	43.00	0.84	150	355-0065-0997
- / 70	81.00	1,800 (3,37)	0,540 (1,00)	62.00	0.98	150	355-0070-0997
3 / 75-76	86.00	1,685 (3,15)	0,505 (1,00)	66.00	1.05	100	355-0075-0997
- / 80	91.00	1,585 (2,96)	0,475 (1,00)	69.00	1.11	100	355-0080-0997
- / 85	96.00	1,545 (2,85)	0,465 (0,95)	73.00	1.21	100	355-0085-0997
4 / 100-102	111.00	1,275 (2,38)	0,390 (0,93)	83.00	1.49	100	355-0100-0997
5 / 125-127	136.00	1,025 (1,91)	0,315 (0,60)	101.00	1.84	100	355-0125-0997
5,5 / 140	151.00	0,920 (1,71)	0,280 (0,48)	111.00	2.03	80	355-0140-0997
6 / 150-152	161.00	0,860 (1,59)	0,270 (0,53)	118.00	2.41	80	355-0150-0997
6,3 / 160	171.00	0,805 (1,50)	0,255 (0,47)	125.00	2.56	80	355-0160-0997
8 / 200-203	213.00	0,645 (1,20)	0,150 (0,36)	156.00	3.12	60	355-0200-0997

### black + yellow

1,25 / 32	42.00	3,770 (7,15)	1,000 (1,00)	26.00	0.44	150	355-0032-0998
1,5 / 38	48.00	3,215 (6,07)	1,000 (1,00)	29.00	0.52	150	355-0038-0998
- / 40	50.00	3,065 (5,78)	1,000 (1,00)	30.00	0.54	150	355-0040-0998
2 / 50-51	60.00	2,485 (4,67)	0,825 (1,00)	35.00	0.66	150	355-0050-0998
2,36 / 60	70.00	2,090 (3,91)	0,685 (1,00)	40.00	0.78	150	355-0060-0998
2,5 / 63-65	75.00	1,935 (3,62)	0,635 (1,00)	43.00	0.84	150	355-0065-0998
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5 / 125-127	136.00	1,025 (1,91)	0,315 (0,60)	101.00	1.84	100	355-0125-0998
5,5 / 140	151.00	0,920 (1,71)	0,280 (0,48)	111.00	2.03	80	355-0140-0998
6 / 150-152	161.00	0,860 (1,59)	0,270 (0,53)	118.00	2.41	80	355-0150-0998
6,3 / 160	171.00	0,805 (1,50)	0,255 (0,47)	125.00	2.56	80	355-0160-0998
8 / 200-203	213.00	0,645 (1,20)	0,150 (0,36)	156.00	3.12	60	355-0200-0998

### black + red

1,25 / 32	42.00	3,770 (7,15)	1,000 (1,00)	26.00	0.44	150	355-0032-0999
1,5 / 38	48.00	3,215 (6,07)	1,000 (1,00)	29.00	0.52	150	355-0038-0999
- / 40	50.00	3,065 (5,78)	1,000 (1,00)	30.00	0.54	150	355-0040-0999
2 / 50-51	60.00	2,485 (4,67)	0,825 (1,00)	35.00	0.66	150	355-0050-0999
2,36 / 60	70.00	2,090 (3,91)	0,685 (1,00)	40.00	0.78	150	355-0060-0999
2,5 / 63-65	75.00	1,935 (3,62)	0,635 (1,00)	43.00	0.84	150	355-0065-0999

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## Accessories



CONNECT PRESS ASSEMBLY 232



CONNECT KARDAN 254



CLAMP 212



CONNECT 240 + 241 AS



CONNECT 228



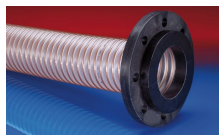
CONNECT 246 AS



CONNECT MOULD ASSEMBLY 233



CONNECT 243



CONNECT 244



CONNECT SAFETY CLAMP ASSEMBLY 231



CLAMP 212 EC



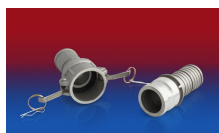
CLAMP 213



CONNECT THREAD FITTING 234



CONNECT STORZ DIN ALU 251



CONNECT KAMLOK ALU 253



CONNECT TANK TRUCK BRASS 252



CONNECT 245 VAC-TRUCK



CONNECT 245



CLAMP 216



CONNECT 242



CLAMP 217



CONNECT 270-271



CONNECT 223

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