

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

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- 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

- 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.
black + blue							
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



I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending Radius	Weight	Minimum Quantity	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
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
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- / 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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5,5 / 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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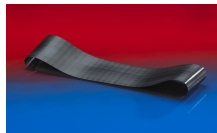
Accessories



CLAMP 217



CONNECT 245 VAC-TRUCK



CONNECT 228



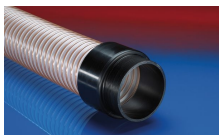
CLAMP 213



CONNECT 243



CLAMP 212



CONNECT 242



CONNECT 246 AS



CONNECT MOULD ASSEMBLY 233



CLAMP 216



CONNECT STORZ DIN ALU 251



CONNECT 240 + 241 AS



CONNECT KARDAN 254



CONNECT PRESS ASSEMBLY 232



CONNECT 223



CONNECT TANK TRUCK BRASS 252



CONNECT 270-271



CONNECT KAMLOK ALU 253



CONNECT 245



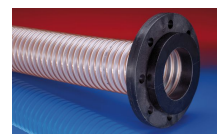
CLAMP 212 EC



CONNECT SAFETY CLAMP ASSEMBLY 231



CONNECT THREAD FITTING 234



CONNECT 244