

Electrically conductive polyurethane hose, heavy duty

Applications

- flexible hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- Coal mine, mine, tunneling: ventilation, methane extraction
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/shavings

Properties

- heavy duty
- highly abrasion resistant
- increased pressure and vacuum resistance
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- electrically conductive wall: electrical and surface resistance <math><10^3 \Omega</math>
- 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), 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
- conforms to RoHS guideline

Temperature range

- 40°F to 195°F

Design, material

AIRDUC® profile hose

- spring steel wire firmly embedded in the wall
- wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.055 - 0.060 inch approximate

Delivery variants

- further diameters and lengths available on request
- black (standard)
- 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	1.25	42.50 (68.70)	28.05 (29.53)	3/4	0.190	25 50	-	355-0025-1003
- / 30	1.57	35.80 (57.85)	19.19 (29.53)	1.00	0.315	-	25 50	355-0030-1003
1.25 / 32	1.65	33.70 (54.40)	18.01 (29.53)	1.02	0.315	-	25 50	355-0032-1003
1.5 / 38	1.89	28.65 (46.20)	15.21 (29.53)	1.14	0.370	25 50	-	355-0038-1003
- / 40	1.97	27.25 (43.95)	14.47 (29.53)	1 1/8	0.385	-	25 50	355-0040-1003
2 / 50-51	2.36	21.95 (35.45)	11.52 (29.53)	1.36	0.475	25 50	-	355-0050-1003
- / 55	2.56	20.10 (32.35)	10.48 (29.53)	1.48	0.515	-	25 50	355-0055-1003
2.36 / 60	2.76	18.40 (29.75)	9.60 (29.53)	1.57	0.560	-	25 50	355-0060-1003
2.5 / 63-65	2.95	17.05 (27.50)	8.86 (29.53)	1.67	0.600	25 50	-	355-0065-1003
- / 70	3.19	21.95 (35.45)	7.38 (29.53)	2.44	0.680	-	25 50	355-0070-1003
3 / 75-76	3.39	20.60 (33.20)	6.94 (29.53)	2.58	0.720	25 50	-	355-0075-1003
- / 80	3.58	19.35 (31.20)	6.50 (29.53)	2.72	0.765	-	25 50	355-0080-1003
3.5 / 89-90	3.98	17.25 (27.75)	5.76 (29.53)	3.00	0.855	25 50	-	355-0090-1003
4 / 100	4.37	15.60 (25.10)	5.17 (27.61)	3.27	0.945	25 50	-	355-0100-1003
- / 110	4.76	14.20 (22.85)	4.72 (22.74)	3.54	1.035	-	25 50	355-0110-1003
4.5 / 114-115	4.96	13.55 (21.90)	4.58 (20.67)	3.68	1.080	25 50	-	355-0115-1003
5 / 125-127	5.35	12.55 (20.15)	4.13 (17.42)	3.96	1.170	25 50	-	355-0125-1003
6 / 150-152	6.34	10.45 (16.80)	3.84 (16.24)	4.65	1.540	25 50	-	355-0150-1003
8 / 200	8.35	7.30 (11.80)	2.51 (11.07)	6.08	1.915	25	-	355-0200-1003
- / 300	12.32	4.95 (7.90)	2.21 (8.12)	8.90	2.905	-	25	355-0300-1003
- / 315	12.91	4.65 (7.55)	2.07 (7.38)	9.31	3.120	-	25	355-0315-1003

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. 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. Additional information at www.norres.com/us/technology-us/

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Accessories



CLAMP 212



CLAMP 216



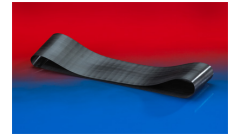
CLAMP 212 EC



CLAMP 217



CLAMP 213



CONNECT 228



CONNECT SAFETY
CLAMP ASSEMBLY 231



CONNECT PRESS
ASSEMBLY 232



CONNECT MOULD
ASSEMBLY 233



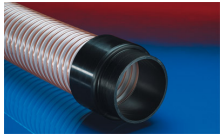
CONNECT THREAD
FITTING 234



CONNECT 240 + 241



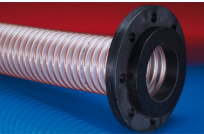
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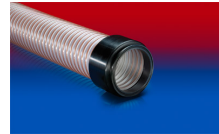
CONNECT 242



CONNECT 243



CONNECT 244



CONNECT 245



CONNECT 246



CONNECT 223



CONNECT 270-271

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