

Electrically conductive polyurethane hose, heavy duty

Application

- 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, tunnelling: ventilation, methane extraction
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings

Properties

- heavy duty
- increased pressure and vacuum resistance
- highly abrasion resistant

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- very good low temperature flexibility
- good resistance to oil, gasoline, and chemicals
- electrically conductive wall: electrical and surface resistance $<10^3 \Omega$ (according to NFPA 652 $<10^6 \Omega$)
- 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
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature range

Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.055 to 0.06 in approx.

Delivery variants

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

I.D. (in / mm)	outer Ø (in)	Pressure DIN 26057 (50% Elongation) (psi)	Vacuum DIN 26057 (axially fixed) (inHG)	Bending radius (in)	Weight (lb/ft)	Dimensions in Stock (ft)	Order No.	Production lengths (ft)
1 / 25	1.260	42.497 (68.749)	28.054 (29.530)	0.787	0.188	10 15	355-0025-1003	-
- / 30	1.575	35.825 (57.871)	19.195 (29.530)	0.984	0.316	10 15	355-0030-1003	-
1,25 / 32	1.654	33.722 (54.390)	18.013 (29.530)	1.024	0.316	10 15	355-0032-1003	-
1,5 / 38	1.890	28.645 (46.268)	15.208 (29.530)	1.142	0.370	10 15	355-0038-1003	-
- / 40	1.969	27.268 (43.947)	14.470 (29.530)	1.181	0.383	10 15	355-0040-1003	-
2 / 50-51	2.362	21.974 (35.535)	11.517 (29.530)	1.378	0.477	10 15 20	355-0050-1003	-
- / 55	2.559	20.088 (32.344)	10.483 (29.530)	1.496	0.517	10 15	355-0055-1003	-
2,36 / 60	2.756	18.420 (29.733)	9.597 (29.530)	1.575	0.558	10 15 20	355-0060-1003	-
2,5 / 63-65	2.953	17.042 (27.558)	8.859 (29.530)	1.693	0.598	10 15	355-0065-1003	-
- / 70	3.189	21.974 (35.535)	7.383 (29.530)	2.441	0.679	10 15	355-0070-1003	-
3 / 75-76	3.386	20.596 (33.214)	6.940 (29.530)	2.598	0.719	10 15	355-0075-1003	-
- / 80	3.583	19.363 (31.184)	6.497 (29.530)	2.717	0.766	10 15	355-0080-1003	-
3,5 / 89-90	3.976	17.260 (27.848)	5.758 (29.530)	2.992	0.853	10 15	355-0090-1003	-
4 / 100	4.370	15.592 (25.092)	5.168 (27.758)	3.268	0.948	10 15	355-0100-1003	-
- / 110	4.764	14.214 (22.916)	4.725 (22.738)	3.543	1.035	10 15	355-0110-1003	-
4,5 / 114-115	4.961	13.561 (21.901)	4.577 (20.671)	3.701	1.082	10 15	355-0115-1003	-
5 / 125-127	5.354	12.546 (20.161)	4.134 (17.423)	3.976	1.169	10 15	355-0125-1003	-

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. 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 DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)		(ft)
6 / 150-152	6.339	10.443 (16.825)	3.839 (16.242)	4.646	1.539	10 15	355-0150-1003	-
8 / 200	8.346	7.325 (11.748)	2.510 (11.221)	6.102	1.915	10	355-0200-1003	-
- / 300	12.323	4.931 (7.832)	2.215 (7.973)	8.898	2.903	10	355-0300-1003	-
- / 315	12.913	4.641 (7.542)	2.067 (7.383)	9.331	3.118	10	355-0315-1003	-

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Accessories



CLAMP 213



CONNECT 243



CLAMP 212



CONNECT SAFETY
CLAMP ASSEMBLY
231



CLAMP 217



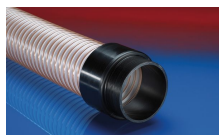
CONNECT 245



CLAMP 212 EC



CONNECT 270-271



CONNECT 242



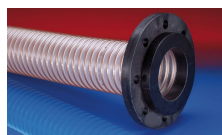
CONNECT THREAD
FITTING 234



CONNECT MOULD
ASSEMBLY 233



CLAMP 216



CONNECT 244



CONNECT 240 + 241
AS



CONNECT 228



CONNECT 240 EC



CONNECT PRESS
ASSEMBLY 232



CONNECT 246 AS



CONNECT 223