

Electrically conductive polyurethane hose, medium-heavy duty

Applications

- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- Coal mine, mine, tunnelling: ventilation, methane extraction

Properties

- highly abrasion resistant
- good resistance to oil, gasoline, and chemicals

- very good low temperature flexibility
- 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 2
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature range

- 40 °F to 195 °F

Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.0275 in approx.

Delivery variants

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

I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Dimensions in Stock	Production lengths	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)	
1 / 25	1.260	35.462 (58.886)	13.584 (29.530)	0.906	0.134	25	-	351-0025-1003
- / 30	1.496	28.210 (46.703)	12.993 (29.530)	1.024	0.175	-	25	351-0030-1003
1,25 / 32	1.575	26.542 (43.947)	12.698 (29.530)	1.063	0.188	25	-	351-0032-1003
1,5 / 38	1.811	22.481 (37.130)	11.812 (29.530)	1.220	0.215	25	-	351-0038-1003
- / 40	1.890	21.393 (35.390)	11.517 (29.530)	1.260	0.228	-	25	351-0040-1003
1,75 / 44-45	2.087	19.073 (31.619)	10.631 (29.530)	1.378	0.255	-	25	351-0045-1003
2 / 50-51	2.283	17.260 (28.428)	10.040 (29.530)	1.496	0.276	25	-	351-0050-1003
2,36 / 60	2.677	14.431 (23.787)	7.825 (24.805)	1.732	0.329	-	25	351-0060-1003
2,5 / 63-65	2.874	13.344 (22.046)	6.940 (20.966)	1.850	0.356	25	-	351-0065-1003
- / 70	3.110	12.401 (20.451)	5.758 (24.805)	1.969	0.383	-	25	351-0070-1003
3 / 75-76	3.307	11.603 (19.145)	5.315 (21.557)	2.087	0.410	25	-	351-0075-1003
- / 80	3.504	10.878 (17.985)	4.872 (18.899)	2.205	0.437	-	25	351-0080-1003
3,5 / 89-90	3.898	9.718 (15.954)	4.282 (15.060)	2.441	0.491	-	25	351-0090-1003
4 / 100-102	4.291	8.775 (14.504)	3.396 (12.107)	2.677	0.531	25	-	351-0100-1003
- / 110	4.685	7.977 (13.199)	2.953 (10.040)	2.913	0.585	-	25	351-0110-1003
4,72 / 120	5.079	7.325 (12.038)	2.510 (8.268)	3.150	0.632	-	25	351-0120-1003
5 / 125-127	5.276	7.034 (11.603)	2.215 (7.678)	3.268	0.659	25	-	351-0125-1003
5,5 / 140	5.866	6.237 (10.298)	2.215 (6.201)	3.622	0.733	-	25	351-0140-1003
6 / 150-152	6.260	5.874 (9.718)	2.067 (10.926)	3.858	0.894	25	-	351-0150-1003

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.

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6,3 / 160	6.654	5.512 (9.138)	1.772 (9.450)	4.094	0.948	-	25	351-0160-1003
7 / 178-180	7.441	4.859 (8.122)	1.477 (7.087)	4.567	1.069	25	-	351-0180-1003
8 / 200-203	8.228	4.424 (7.252)	1.477 (5.611)	5.039	1.183	25	-	351-0200-1003
- / 250	10.197	3.553 (5.802)	0.591 (3.248)	6.220	1.633	-	25	351-0250-1003

Accessories



CONNECT THREAD
FITTING 234



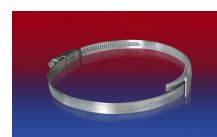
CONNECT 240 + 241
AS



CLAMP 217



CONNECT 240 EC



CLAMP 210 BRIDGE
CLAMP



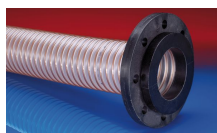
CLAMP 213



CONNECT 242



CONNECT MOULD
ASSEMBLY 233



CONNECT 244



CONNECT 223



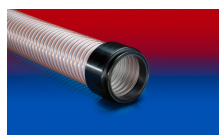
CLAMP 212 EC



CONNECT 246 AS



CONNECT 243



CONNECT 245



CONNECT 270-271



CONNECT 228



CLAMP 212