

Antistatic polyurethane hose, super-light weight, microbe resistant, flame-resistant

Application

- flexible hose/ ducting for gases and for abrasive dust, powder, fibers
- extraction unit, dust collection systems, filter system, oil mist extraction
- extraction arm
- chemical industry: chemical vapors, vapor return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area
- animal stall, animal shed: barn ventilation
- bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating
- clean room ventilation, semiconductor production machine
- bellows, compensators

Properties

- super-light weight
- highly flexible + compressible 3:1
- abrasion-resistant

- abrasion-resistant
- microbe resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- flame-retardant according to: UL94-HB
- flame-retardant according to: DIN 4102-B1
- permanently antistatic wall: according to ISO 8031 electrical and surface resistance $<10^9 \Omega$ (according to NFPA 652 $10^8-10^9 \Omega$)
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases)
- conforms to the safety regulations of the German Wood Trade Association
- according to DIN 26057 Type 1
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature range

- 40°F to 195°F

- short time to 255°F
- 40°F to 255°F

Design

- patented PROTAPE® tape hose
- spring steel wire integrated in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.015 in approx.

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: partially colored, completely colored
- customer-specific branding
- ID 1,5"/38mm 12/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID 12"/315mm 20"/500mm not compressed

I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Minimum Quantity	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)		(ft)
standard									
1,5 / 38	1.811	9.138 (26.977)	7.235 (21.557)	1.063	0.148	-	5 10 15	301-0038-0000	-
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	-	5 10 15	301-0040-0000	25 50
1,75 / 44-45	2.087	7.760 (22.916)	6.201 (15.356)	1.220	0.175	-	5 10 15	301-0045-0000	25 50
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	-	5 10 15	301-0050-0000	-
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	-	5 10 15	301-0060-0000	25 50
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	-	5 10 15	301-0065-0000	-
- / 70	3.071	5.004 (14.794)	3.691 (12.993)	1.693	0.255	-	5 10 15	301-0070-0000	25 50
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	-	5 10 15	301-0075-0000	-
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	-	5 10 15	301-0080-0000	25 50
3,5 / 89-90	3.858	3.916 (11.458)	2.805 (7.973)	2.087	0.329	-	5 10 15	301-0090-0000	-
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	-	5 10 15	301-0100-0000	-
- / 110	4.646	3.191 (9.428)	1.477 (7.383)	2.480	0.376	-	5 10 15	301-0110-0000	25 50
4,5 / 114-115	4.843	3.046 (8.992)	1.477 (6.792)	2.598	0.390	-	5 10 15	301-0115-0000	-
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	-	5 10 15	301-0120-0000	25 50
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	-	5 10 15	301-0125-0000	-
- / 130	5.433	2.683 (7.977)	1.181 (5.315)	2.874	0.444	-	5 10 15	301-0130-0000	25 50

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	Minimum Quantity	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)		(ft)
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	-	5 10 15	301-0140-0000	-
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	-	5 10 15	301-0150-0000	-
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	-	5 10 15	301-0160-0000	25 50
6,5 / 165	6.811	2.176 (6.237)	1.034 (3.248)	3.583	0.558	-	5 10 15	301-0165-0000	25 50
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	-	5 10 15	301-0180-0000	-
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	-	5 10 15	301-0200-0000	-
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	-	5 10	301-0225-0000	25
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	-	5 10	301-0250-0000	25
10 / 254	10.354	1.378 (4.061)	0.591 (1.772)	5.669	0.874	-	5 10	301-0254-0000	-
11 / 280	11.378	1.233 (3.771)	0.591 (1.477)	5.866	0.961	-	5 10	301-0280-0000	25
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	-	5 10	301-0300-0000	25
12 / 305	12.402	1.160 (3.336)	0.443 (1.181)	6.417	1.163	-	5 10	301-0305-0000	-
- / 315	12.795	1.088 (3.336)	0.443 (1.181)	6.614	1.203	-	5 10	301-0315-0000	25
- / 350	14.173	1.015 (2.901)	0.443 (0.886)	7.283	1.344	-	5 10	301-0350-0000	25
14 / 356	14.409	1.015 (2.901)	0.443 (0.886)	7.480	1.411	-	5 10	301-0356-0000	-
- / 400	16.142	0.870 (2.611)	0.443 (0.591)	8.268	1.519	-	5 10	301-0400-0000	25
- / 450	18.110	0.798 (2.321)	0.295 (0.591)	9.252	1.694	-	5 10	301-0450-0000	25
- / 500	20.079	0.725 (2.031)	0.295 (0.295)	10.236	1.868	-	5 10	301-0500-0000	25

neutral imprint: <ID> antistatic + microbe resistant <neutral batch no.> / no cutting

1,5 / 38	1.811	9.138 (26.977)	7.235 (21.557)	1.063	0.148	-	10	301-0038-0007	25
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	-	10	301-0040-0007	25
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	-	10	301-0050-0007	25
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	-	10	301-0060-0007	25
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	-	10	301-0065-0007	25
- / 70	3.071	5.004 (14.794)	3.691 (12.993)	1.693	0.255	-	10	301-0070-0007	25
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	-	10	301-0075-0007	25
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	-	10	301-0080-0007	25
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	-	10	301-0100-0007	25
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	-	10	301-0120-0007	25
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	-	10	301-0125-0007	25
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	-	10	301-0140-0007	25
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	-	10	301-0150-0007	25
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	-	10	301-0160-0007	25
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	-	10	301-0180-0007	25
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	-	10	301-0200-0007	25
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	-	10	301-0225-0007	25
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	-	10	301-0250-0007	25
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	-	10	301-0300-0007	25

more compressed packaging approx. 5:1, neutral imprint, no cutting

1,5 / 38	1.811	9.138 (26.977)	7.235 (21.557)	1.063	0.148	150	-	301-0038-2030	-
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	150	-	301-0040-2030	-
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	150	-	301-0050-2030	-
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	150	-	301-0060-2030	-
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	150	-	301-0065-2030	-
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3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	100	-	301-0075-2030	-
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	100	-	301-0080-2030	-
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	100	-	301-0100-2030	-
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	100	-	301-0120-2030	-
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	100	-	301-0125-2030	-
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	80	-	301-0140-2030	-

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7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	80	-	301-0180-2030	-
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	60	-	301-0200-2030	-
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	60	-	301-0225-2030	-
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	50	-	301-0250-2030	-
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	40	-	301-0300-2030	-

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Accessories



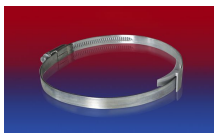
CONNECT 228



CONNECT 223



CLAMP 217



CLAMP 210 BRIDGE
CLAMP



CLAMP 212



CLAMP 213



CONNECT 270-271