

Electrically conductive polyethylene clamp profile hose (clip hose)

**Applications**

- flexible hose/ ducting for gases and for dust, powder, fibers
- extraction arm
- chemical industry: chemical vapors, vapor return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area

**Properties**

- highly flexible + compressible 4:1
- abrasion protection via external clamp profile

- secure clamping of the wall within the clamp profile
- good resistance to alkalis and acids
- extremely good resistance to 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: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases)
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

**Temperature range**

- 30 °F to 175 °F

**Design**

- CP construction
- Clamp profile supporting spiral: galvanised steel
- wall: electrically conductive polyethylene (PE)

**Delivery variants**

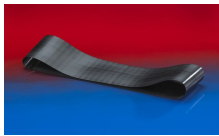
- further diameters and lengths available on request
- black (standard)
- stainless steel (INOX) clamp profile

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
2 / 50-51	2.441	7.107	7.973	0.709	0.403	25	457-0050-1003
- / 55	2.638	6.672	7.383	0.787	0.437	-	457-0055-1003
2,36 / 60	2.835	6.382	6.497	0.787	0.470	-	457-0060-1003
2,5 / 63-65	3.031	6.092	5.906	0.866	0.511	25	457-0065-1003
- / 70	3.228	5.802	5.315	0.866	0.544	-	457-0070-1003
3 / 75-76	3.425	5.512	4.725	0.945	0.578	25	457-0075-1003
- / 80	3.622	5.294	4.134	0.945	0.618	-	457-0080-1003
3,5 / 89-90	4.016	4.931	2.953	1.024	0.685	25	457-0090-1003
4 / 100-102	4.409	3.263	2.510	1.102	0.551	25	457-0100-1003
- / 110	4.803	3.046	2.215	1.181	0.605	-	457-0110-1003
4,5 / 114-115	5.000	2.973	2.067	1.260	0.632	12.5 25	457-0115-1003
4,72 / 120	5.197	2.901	1.919	1.260	0.659	-	457-0120-1003
5 / 125-127	5.394	2.828	1.772	1.339	0.672	12.5 25	457-0125-1003
6 / 150-152	6.378	1.740	1.034	1.496	0.551	12.5 25	457-0150-1003
6,3 / 160	6.772	1.668	0.886	1.575	0.565	-	457-0160-1003
7 / 178-180	7.559	1.595	0.738	1.732	0.632	12.5 25	457-0180-1003
8 / 200-203	8.346	1.450	0.591	1.890	0.538	12.5 25	457-0200-1003
- / 250	10.315	1.015	0.443	2.283	0.665	-	457-0250-1003
10 / 254	10.472	0.943	0.443	2.323	0.679	12.5 25	457-0254-1003
- / 300	12.283	0.870	0.295	2.677	0.793	-	457-0300-1003
12 / 305	12.480	0.798	0.295	2.717	0.813	12.5 25	457-0305-1003
- / 315	12.874	0.725	0.295	2.795	0.840	-	457-0315-1003
- / 350	14.252	0.653	0.295	3.071	0.927	-	457-0350-1003

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/](http://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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(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
14 / 356	14.488	0.580	0.295	3.110	0.948	12.5 25	457-0356-1003
- / 400	16.220	0.580	0.148	3.465	1.055	-	457-0400-1003
16 / 405-406	16.457	0.508	0.148	3.504	1.075	12.5 25	457-0406-1003
- / 450	18.189	0.508	0.148	3.858	1.190	-	457-0450-1003
- / 600	24.094	0.363	0.148	5.039	1.586	-	457-0600-1003
- / 800	31.969	0.218	0.030	6.614	2.097	-	457-0800-1003

## Accessories



CONNECT 228



CONNECT 270-271



CLAMP 217



CLAMP 212



CLAMP 213