



## Electrically conductive clamp profile hose (clip hose), (up to +410 °F)

### Applications

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

### Properties

- abrasion protection via external clamp profile
- secure clamping of the wall within the clamp profile

- highly flexible + compressible 4:1
- very good heat resistance
- good resistance to oil, gasoline, and chemicals
- good resistance to alkalis and acids
- electrically conductive wall: electrical and surface resistance  $<10^4 \Omega$  (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

- -5 °F to 410 °F

### Design

- CP construction
- Clamp profile supporting spiral: galvanised steel
- wall: VITON® coated polyester fabric
- VITON® is a registered trademark of DuPont.

### Delivery variants

- further diameters and lengths available on request

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
1,5 / 38	1.969	11.386	13.289	0.827	0.323	25	459-0038-0000
- / 40	2.047	11.096	12.993	0.866	0.356	-	459-0040-0000
2 / 50-51	2.441	9.138	11.221	0.984	0.430	25	459-0050-0000
- / 55	2.638	8.702	10.336	1.063	0.470	25	459-0055-0000
2,36 / 60	2.835	8.267	9.450	1.102	0.511	-	459-0060-0000
2,5 / 63-65	3.031	7.905	8.564	1.181	0.544	25	459-0065-0000
- / 70	3.228	7.615	7.678	1.220	0.585	25	459-0070-0000
3 / 75-76	3.425	7.252	6.792	1.299	0.625	25	459-0075-0000
- / 80	3.622	7.034	5.906	1.339	0.659	-	459-0080-0000
3,5 / 89-90	4.016	6.527	4.134	1.457	0.739	25	459-0090-0000
4 / 100-102	4.409	4.351	3.544	1.102	0.605	25	459-0100-0000
- / 110	4.803	4.134	3.101	1.181	0.659	-	459-0110-0000
4,5 / 114-115	5.000	3.989	2.864	1.260	0.692	12.5 25	459-0115-0000
4,72 / 120	5.197	3.916	2.658	1.260	0.719	-	459-0120-0000
5 / 125-127	5.394	3.771	2.510	1.339	0.746	12.5 25	459-0125-0000
5,5 / 140	5.984	3.553	1.772	1.417	0.827	12.5 25	459-0140-0000
6 / 150-152	6.378	2.393	1.477	1.496	0.591	12.5 25	459-0150-0000
6,3 / 160	6.772	2.321	1.329	1.575	0.625	-	459-0160-0000
6,5 / 165	6.969	2.248	1.329	1.614	0.645	12.5 25	459-0165-0000
- / 170	7.165	2.248	1.181	1.654	0.665	-	459-0170-0000
- / 175	7.362	2.176	1.181	1.732	0.685	12.5 25	459-0175-0000
7 / 178-180	7.559	2.176	1.181	1.732	0.699	12.5 25	459-0180-0000
8 / 200-203	8.346	2.031	0.886	1.890	0.780	12.5 25	459-0200-0000
- / 215	8.937	1.958	0.886	2.047	0.833	12.5 25	459-0215-0000
- / 225	9.331	1.886	0.738	2.126	0.874	-	459-0225-0000

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.

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
9 / 228-229	9.449	1.740	0.738	2.126	0.887	<b>12.5 25</b>	459-0228-0000
- / 250	10.315	1.450	0.738	2.283	0.968	-	459-0250-0000
10 / 254	10.472	1.378	0.738	2.323	0.981	<b>12.5 25</b>	459-0254-0000
- / 300	12.283	1.233	0.443	2.677	1.156	-	459-0300-0000
12 / 305	12.480	1.233	0.443	2.717	1.169	<b>12.5 25</b>	459-0305-0000
- / 315	12.874	1.233	0.443	2.795	1.196	<b>12.5 25</b>	459-0315-0000
- / 325	13.268	1.160	0.443	2.913	1.243	<b>12.5 25</b>	459-0325-0000
- / 350	14.252	0.943	0.443	3.071	1.344	-	459-0350-0000
14 / 356	14.488	0.943	0.443	3.110	1.364	<b>12.5 25</b>	459-0356-0000
- / 400	16.220	0.870	0.295	3.465	1.532	-	459-0400-0000
16 / 405-406	16.457	0.870	0.295	3.504	1.559	<b>12.5 25</b>	459-0406-0000
- / 450	18.189	0.798	0.295	3.858	1.720	-	459-0450-0000
18 / 457	18.465	0.725	0.295	3.937	1.747	<b>12.5 25</b>	459-0457-0000
- / 500	20.157	0.725	0.148	4.252	1.909	-	459-0500-0000
- / 600	24.094	0.435	0.148	5.039	2.285	-	459-0600-0000

Accessories



CLAMP 212



CLAMP 217



CONNECT 228



CLAMP 213



CONNECT 270-271

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