

Electrically conductive clamp profile hose (clip hose), (up to +210 °C)

Application

- chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction
- flexible hose/ ducting for hot and cold gases and for dust, powder, fibres
- 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 <math><10^4\Omega</math> (according to NFPA 652 <math><10^6\Omega</math>)
- 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

- -20 °C to 210 °C

Design

- CP construction
- clamp profile supporting spiral: galvanised steel
- wall: VITON® coated polyester fabric

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)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
1,5 / 38	50.00	0,785	0,450	21.00	0.48	6	459-0038-0000
- / 40	52.00	0,765	0,440	22.00	0.53	6	459-0040-0000
2 / 50-51	62.00	0,630	0,380	25.00	0.64	6	459-0050-0000
- / 55	67.00	0,600	0,350	27.00	0.70	6	459-0055-0000
2,36 / 60	72.00	0,570	0,320	28.00	0.76	6	459-0060-0000
2,5 / 63-65	77.00	0,545	0,290	30.00	0.81	6	459-0065-0000
- / 70	82.00	0,525	0,260	31.00	0.87	6	459-0070-0000
3 / 75-76	87.00	0,500	0,230	33.00	0.93	6	459-0075-0000
- / 80	92.00	0,485	0,200	34.00	0.98	6	459-0080-0000
3,5 / 89-90	102.00	0,450	0,140	37.00	1.10	6	459-0090-0000
4 / 100-102	112.00	0,300	0,120	28.00	0.90	6	459-0100-0000
- / 110	122.00	0,285	0,105	30.00	0.98	3 6	459-0110-0000
4,5 / 114-115	127.00	0,275	0,097	32.00	1.03	3 6	459-0115-0000
4,72 / 120	132.00	0,270	0,090	32.00	1.07	3 6	459-0120-0000
5 / 125-127	137.00	0,260	0,085	34.00	1.11	3 6	459-0125-0000
- / 130	142.00	0,255	0,075	34.00	1.15	3 6	459-0130-0000
5,5 / 140	152.00	0,245	0,060	36.00	1.23	3 6	459-0140-0000
6 / 150-152	162.00	0,165	0,050	38.00	0.88	3 6	459-0150-0000
6,3 / 160	172.00	0,160	0,045	40.00	0.93	3 6	459-0160-0000
6,5 / 165	177.00	0,155	0,045	41.00	0.96	3 6	459-0165-0000
- / 170	182.00	0,155	0,040	42.00	0.99	3 6	459-0170-0000
- / 175	187.00	0,150	0,040	44.00	1.02	3 6	459-0175-0000
7 / 178-180	192.00	0,150	0,040	44.00	1.04	3 6	459-0180-0000
8 / 200-203	212.00	0,140	0,030	48.00	1.16	3 6	459-0200-0000
- / 215	227.00	0,135	0,030	52.00	1.24	3 6	459-0215-0000

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at

www.norres.com/en/technology/

www.norres.com

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
- / 225	237.00	0,130	0,025	54.00	1.30	3 6	459-0225-0000
9 / 228-229	240.00	0,120	0,025	54.00	1.32	3 6	459-0228-0000
- / 250	262.00	0,100	0,025	58.00	1.44	3 6	459-0250-0000
10 / 254	266.00	0,095	0,025	59.00	1.46	3 6	459-0254-0000
- / 275	287.00	0,090	0,020	64.00	1.58	3 6	459-0275-0000
11 / 280	292.00	0,090	0,020	65.00	1.61	3 6	459-0280-0000
- / 300	312.00	0,085	0,015	68.00	1.72	3 6	459-0300-0000
12 / 305	317.00	0,085	0,015	69.00	1.74	3 6	459-0305-0000
- / 315	327.00	0,085	0,015	71.00	1.78	3 6	459-0315-0000
- / 325	337.00	0,080	0,015	74.00	1.85	3 6	459-0325-0000
13 / 330	342.00	0,080	0,015	75.00	1.88	3 6	459-0330-0000
- / 350	362.00	0,065	0,015	78.00	2.00	3 6	459-0350-0000
14 / 356	368.00	0,065	0,015	79.00	2.03	3 6	459-0356-0000
- / 375	387.00	0,060	0,010	83.00	2.13	3 6	459-0375-0000
- / 400	412.00	0,060	0,010	88.00	2.28	3 6	459-0400-0000
16 / 405-406	418.00	0,060	0,010	89.00	2.32	3 6	459-0406-0000
- / 450	462.00	0,055	0,010	98.00	2.56	3 6	459-0450-0000
18 / 457	469.00	0,050	0,010	100.00	2.60	3 6	459-0457-0000
- / 500	512.00	0,050	0,005	108.00	2.84	3 6	459-0500-0000
20 / 508	520.00	0,035	0,005	110.00	2.89	3 6	459-0508-0000
- / 600	612.00	0,030	0,005	128.00	3.40	3	459-0600-0000
24 / 610	622.00	0,030	0,005	130.00	3.46	3	459-0610-0000
- / 700	712.00	0,025	0,002	148.00	3.96	3	459-0700-0000
28 / 712	724.00	0,025	0,002	151.00	4.03	3	459-0712-0000
- / 750	762.00	0,025	0,002	158.00	4.24	3	459-0750-0000
- / 800	812.00	0,025	0,002	168.00	4.52	3	459-0800-0000
32 / 813-815	827.00	0,025	0,001	171.00	4.61	3	459-0815-0000
- / 900	912.00	0,020	0,001	188.00	5.09	3	459-0900-0000
36 / 915	927.00	0,020	0,001	191.00	5.18	3	459-0915-0000
- / 1000	1012.00	0,020	0,001	208.00	5.65	3	459-1000-0000
40 / 1016	1028.00	0,020	0,001	211.00	5.74	3	459-1016-0000

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Accessories



CLAMP 213



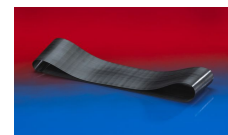
CONNECT 270-271



CLAMP 217



CLAMP 212



CONNECT 228

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