



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

Applications

- 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 $<10^4 \Omega$ (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

- -20 °C to 210 °C

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)	(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
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
- / 225	237.00	0,130	0,025	54.00	1.30	3 6	459-0225-0000

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/.

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
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
- / 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
- / 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
- / 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
- / 600	612.00	0,030	0,005	128.00	3.40	3	459-0600-0000

Accessories



CLAMP 213



CLAMP 217



CONNECT 270-271



CONNECT 228



CLAMP 212

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