

Electrically conductive polyethylene clamp profile hose (clip hose)

Application

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

Properties

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

- 35 °C to 80 °C

Design

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)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
1,5 / 38	50.00	0,580	0,310	14.00	0.48	6	457-0038-1003
- / 40	52.00	0,560	0,305	15.00	0.50	6	457-0040-1003
2 / 50-51	62.00	0,490	0,270	18.00	0.60	6	457-0050-1003
- / 55	67.00	0,460	0,250	20.00	0.65	6	457-0055-1003
2,36 / 60	72.00	0,440	0,220	20.00	0.70	6	457-0060-1003
2,5 / 63-65	77.00	0,420	0,200	22.00	0.76	6	457-0065-1003
- / 70	82.00	0,400	0,180	22.00	0.81	6	457-0070-1003
3 / 75-76	87.00	0,380	0,160	24.00	0.86	6	457-0075-1003
- / 80	92.00	0,365	0,140	24.00	0.92	6	457-0080-1003
3,5 / 89-90	102.00	0,340	0,100	26.00	1.02	6	457-0090-1003
4 / 100-102	112.00	0,225	0,085	28.00	0.82	6	457-0100-1003
- / 110	122.00	0,210	0,075	30.00	0.90	3 6	457-0110-1003
4,5 / 114-115	127.00	0,205	0,070	32.00	0.94	3 6	457-0115-1003
4,72 / 120	132.00	0,200	0,065	32.00	0.98	3 6	457-0120-1003
5 / 125-127	137.00	0,195	0,060	34.00	1.00	3 6	457-0125-1003
- / 130	142.00	0,190	0,055	34.00	1.06	3 6	457-0130-1003
5,5 / 140	152.00	0,180	0,040	36.00	1.14	3 6	457-0140-1003
6 / 150-152	162.00	0,120	0,035	38.00	0.82	3 6	457-0150-1003
6,3 / 160	172.00	0,115	0,030	40.00	0.84	3 6	457-0160-1003
6,5 / 165	177.00	0,110	0,030	41.00	0.87	3 6	457-0165-1003
- / 170	182.00	0,110	0,030	42.00	0.89	3 6	457-0170-1003
- / 175	187.00	0,110	0,030	44.00	0.91	3 6	457-0175-1003
7 / 178-180	192.00	0,110	0,025	44.00	0.94	3 6	457-0180-1003

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)	
8 / 200-203	212.00	0,100	0,020	48.00	0.80	3 6	457-0200-1003
- / 215	227.00	0,095	0,020	52.00	0.86	3 6	457-0215-1003
- / 225	237.00	0,090	0,020	54.00	0.89	3 6	457-0225-1003
9 / 228-229	240.00	0,080	0,020	54.00	0.90	3 6	457-0228-1003
- / 250	262.00	0,070	0,015	58.00	0.99	3 6	457-0250-1003
10 / 254	266.00	0,065	0,015	59.00	1.01	3 6	457-0254-1003
- / 275	287.00	0,060	0,015	64.00	1.09	3 6	457-0275-1003
11 / 280	292.00	0,060	0,015	65.00	1.11	3 6	457-0280-1003
- / 300	312.00	0,060	0,010	68.00	1.18	3 6	457-0300-1003
12 / 305	317.00	0,055	0,010	69.00	1.21	3 6	457-0305-1003
- / 315	327.00	0,050	0,010	71.00	1.25	3 6	457-0315-1003
- / 325	337.00	0,045	0,010	74.00	1.29	3 6	457-0325-1003
13 / 330	342.00	0,045	0,010	75.00	1.31	3 6	457-0330-1003
- / 350	362.00	0,045	0,010	78.00	1.38	3 6	457-0350-1003
14 / 356	368.00	0,040	0,010	79.00	1.41	3 6	457-0356-1003
- / 375	387.00	0,040	0,010	83.00	1.48	3 6	457-0375-1003
- / 400	412.00	0,040	0,005	88.00	1.57	3 6	457-0400-1003
16 / 405-406	418.00	0,035	0,005	89.00	1.60	3 6	457-0406-1003
- / 450	462.00	0,035	0,005	98.00	1.77	3 6	457-0450-1003
18 / 457	469.00	0,035	0,005	100.00	1.80	3 6	457-0457-1003
- / 500	512.00	0,025	0,005	108.00	1.96	3 6	457-0500-1003
20 / 508	520.00	0,025	0,005	110.00	1.99	3 6	457-0508-1003
- / 600	612.00	0,025	0,005	128.00	2.36	3 6	457-0600-1003
24 / 610	622.00	0,025	0,005	130.00	2.40	3 6	457-0610-1003
- / 700	712.00	0,020	0,002	148.00	2.74	3 6	457-0700-1003
28 / 712	724.00	0,020	0,001	151.00	2.79	3 6	457-0712-1003
- / 750	762.00	0,020	0,001	158.00	2.92	3 6	457-0750-1003
- / 800	812.00	0,015	0,001	168.00	3.12	3 6	457-0800-1003
32 / 813-815	827.00	0,015	0,001	171.00	3.18	3 6	457-0815-1003
- / 900	912.00	0,015	0,001	188.00	3.51	3 6	457-0900-1003
36 / 915	927.00	0,015	0,001	191.00	3.57	3 6	457-0915-1003
- / 1000	1012.00	0,015	0,001	208.00	3.90	3 6	457-1000-1003
40 / 1016	1028.00	0,015	0,001	211.00	3.96	3 6	457-1016-1003

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Accessories



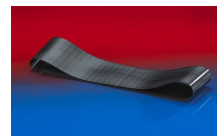
CLAMP 212



CONNECT 270-271



CLAMP 213



CONNECT 228



CLAMP 217

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