



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

- 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

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

Temperature Range

- 35°C to 80°C

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

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(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

Accessories



CONNECT 228



CLAMP 212



CLAMP 213



CLAMP 217



CONNECT 270-271