

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

- ♦ 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)	
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
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
7 / 178-180	192.00	0,110	0,025	44.00	0.94	3 6	457-0180-1003
8 / 200-203	212.00	0,100	0,020	48.00	0.80	3 6	457-0200-1003
- / 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
- / 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

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.

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
- / 315	327.00	0,050	0,010	71.00	1.25	3 6	457-0315-1003
- / 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
- / 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
- / 600	612.00	0,025	0,005	128.00	2.36	3 6	457-0600-1003
- / 800	812.00	0,015	0,001	168.00	3.12	3 6	457-0800-1003

Accessories



CLAMP 213



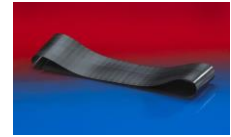
CLAMP 217



CLAMP 212



CONNECT 270-271



CONNECT 228