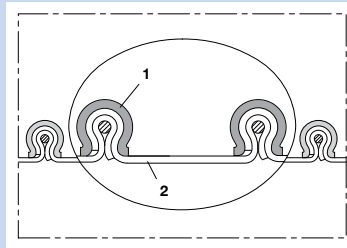


# CP PE 457 EC



Electrically conductive suction and blast hose; PE  $<10^3 \Omega$ , super-light + compressible,  $\varnothing$  up to 1.000 mm

## Applications

- for transporting inflammable bulk materials and in areas liable to contain explosive mixtures (explosion protection)
- for aggressive solids such as dust, powder and fibres
- for aggressive gaseous media such as vapors and smoke
- for de-dusting and suction plants
- as bellows and compensator

## Properties

- according to German TRBS 2153 electrically conductive wall: Electrical and surface resistance  $<10^3 \Omega$ , recommended for transporting inflammable bulk materials
- highly flexible + compressible 4:1
- abrasion protection via external Clamp profile
- firm clamping of the wall in Clamp profile
- good resistance to alkalis and acids
- extremely good resistance to chemicals
- small bending radiuses
- kink-proof
- light weight
- conforms to the requirements of the European ATEX Directive
- conform to RoHS guideline

## Temperature Range

- $-35^\circ\text{C}$  to  $80^\circ\text{C}$

## Design, Material

CP construction

1. Clamp profile supporting spiral: galvanised steel
2. wall: electrically conductive polyethylene (PE)

## Delivery variants

- further diameters and lengths available on request
- black (standard)
- stainless steel (INOX) Clamp profile
- customized designs with special Clamp profile supporting spiral pitch and wall materials

I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
1,5 / 38	50	0,470	0,310	14,0	0,480	6	-	457-0038-1003
- / 40	52	0,450	0,305	15,0	0,500	6	-	457-0040-1003
2 / 50-51	62	0,420	0,270	18,0	0,600	6	-	457-0050-1003
- / 55	67	0,400	0,250	19,5	0,650	-	6	457-0055-1003
2,36 / 60	72	0,375	0,220	20,0	0,700	6	-	457-0060-1003
2,5 / 63-65	77	0,360	0,200	21,5	0,760	6	-	457-0065-1003
- / 70	82	0,340	0,180	22,0	0,810	-	6	457-0070-1003
3 / 75-76	87	0,330	0,160	23,5	0,860	6	-	457-0075-1003
- / 80	92	0,315	0,140	24,0	0,920	6	-	457-0080-1003
3,5 / 89-90	102	0,290	0,100	26,0	1,020	6	-	457-0090-1003
4 / 100-102	112	0,190	0,085	28,0	0,820	6	-	457-0100-1003
- / 110	122	0,180	0,075	30,0	0,900	3 6	-	457-0110-1003
4,5 / 114-115	127	0,175	0,070	31,5	0,940	3 6	-	457-0115-1003
4,72 / 120	132	0,170	0,065	32,0	0,980	3 6	-	457-0120-1003
5 / 125-127	137	0,165	0,060	33,5	1,000	3 6	-	457-0125-1003
- / 130	142	0,160	0,055	34,0	1,060	-	3 6	457-0130-1003
5,5 / 140	152	0,155	0,040	36,0	1,140	3 6	-	457-0140-1003
6 / 150-152	162	0,105	0,035	38,0	0,820	3 6	-	457-0150-1003
6,3 / 160	172	0,100	0,030	40,0	0,840	3 6	-	457-0160-1003
6,5 / 165	177	0,100	0,030	41,0	0,865	-	3 6	457-0165-1003
- / 170	182	0,095	0,030	42,0	0,890	3 6	-	457-0170-1003
- / 175	187	0,095	0,030	43,5	0,910	-	3 6	457-0175-1003
7 / 178-180	192	0,090	0,025	44,0	0,940	3 6	-	457-0180-1003
8 / 200-203	212	0,085	0,020	48,0	0,800	3 6	-	457-0200-1003
- / 215	227	0,080	0,020	51,5	0,860	-	3 6	457-0215-1003
- / 225	237	0,080	0,020	53,5	0,890	3 6	-	457-0225-1003
9 / 228-229	240	0,080	0,020	54,0	0,900	-	3 6	457-0228-1003
- / 250	262	0,060	0,015	58,0	0,990	3 6	-	457-0250-1003

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. Additional technical data at [www.norres.com](http://www.norres.com). The right to make technical modifications is reserved. All values determined at  $20^\circ\text{C}$  and are approx. data.

I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
10 / 254	266	0,060	0,015	59,0	1,005	-	3 6	457-0254-1003
- / 275	287	0,055	0,015	63,5	1,090	-	3 6	457-0275-1003
11 / 280	292	0,055	0,015	64,5	1,110	-	3 6	457-0280-1003
- / 300	312	0,050	0,010	68,0	1,180	<b>3 6</b>	-	457-0300-1003
12 / 305	317	0,050	0,010	69,0	1,205	-	3 6	457-0305-1003
- / 315	327	0,050	0,010	70,5	1,250	-	3 6	457-0315-1003
- / 325	337	0,040	0,010	73,5	1,290	-	3 6	457-0325-1003
13 / 330	342	0,040	0,010	74,5	1,310	-	3 6	457-0330-1003
- / 350	362	0,040	0,010	78,0	1,380	<b>3 6</b>	-	457-0350-1003
14 / 356	368	0,040	0,010	79,0	1,405	-	3 6	457-0356-1003
- / 375	387	0,035	0,010	82,5	1,480	-	3 6	457-0375-1003
- / 400	412	0,035	0,005	88,0	1,570	<b>3 6</b>	-	457-0400-1003
16 / 405-406	418	0,035	0,005	89,0	1,595	-	3 6	457-0406-1003
- / 450	462	0,030	0,005	98,0	1,770	<b>3 6</b>	-	457-0450-1003
18 / 457	469	0,030	0,005	99,5	1,795	-	3 6	457-0457-1003
- / 500	512	0,020	0,005	108,0	1,960	<b>3 6</b>	-	457-0500-1003
20 / 508	520	0,020	0,005	109,5	1,990	-	3 6	457-0508-1003
- / 600	612	0,020	0,005	128,0	2,360	<b>3 6</b>	-	457-0600-1003
24 / 610	622	0,020	0,005	130,0	2,400	-	3 6	457-0610-1003
- / 700	712	0,015	0,002	148,0	2,740	<b>3 6</b>	-	457-0700-1003
28 / 712	724	0,015	0,001	150,5	2,785	-	3 6	457-0712-1003
- / 750	762	0,015	0,001	158,0	2,920	-	3 6	457-0750-1003
- / 800	812	0,015	0,001	168,0	3,120	<b>3 6</b>	-	457-0800-1003
32 / 813-815	827	0,015	0,001	171,0	3,180	-	3 6	457-0815-1003
- / 900	912	0,015	0,001	188,0	3,510	<b>3 6</b>	-	457-0900-1003
36 / 915	927	0,015	0,001	191,0	3,570	-	3 6	457-0915-1003
- / 1000	1012	0,010	0,001	208,0	3,900	<b>3 6</b>	-	457-1000-1003
40 / 1016	1028	0,010	0,001	211,0	3,960	-	3 6	457-1016-1003

## Accessories



CLAMP 212



CLAMP 217



CLAMP 213



CONNECT 270-271

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