



Electrically conductive clamp profile hose (clip hose), double-layer, highly chemical resistant (up to +270 °C)

Application

- flexible hose/ ducting for hot and cold gases and for dust, powder, fibres
- 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
- secure clamping of the wall within the clamp profile
- highly flexible + compressible 4:1
- very good heat resistance

- anti-adhesive
- good resistance to alkalis and acids
- surface resistance PTFE film <10°
- extremely good resistance to chemicals
- 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

- 150 °C to 250 °C

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- short time to 270 °C

Design

- CP construction
- clamp profile supporting spiral: all-stainless steel (INOX)
- wall: interior semi-conducting PTFE foil, exterior special-coated glass fabric

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)	
2 / 50-51	62.00	0,410	0,300	18.00	0.61	6	471-0050-1003
- / 55	67.00	0,390	0,280	20.00	0.66	6	471-0055-1003
2,36 / 60	72.00	0,370	0,250	20.00	0.72	6	471-0060-1003
2,5 / 63-65	77.00	0,355	0,230	22.00	0.77	6	471-0065-1003
- / 70	82.00	0,340	0,210	22.00	0.83	6	471-0070-1003
3 / 75-76	87.00	0,325	0,180	24.00	0.88	6	471-0075-1003
- / 80	92.00	0,315	0,160	24.00	0.94	6	471-0080-1003
3,5 / 89-90	102.00	0,290	0,110	26.00	1.05	6	471-0090-1003
4 / 100-102	112.00	0,195	0,100	28.00	0.86	6	471-0100-1003
- / 110	122.00	0,185	0,085	30.00	0.95	3 6	471-0110-1003
4,5 / 114-115	127.00	0,180	0,080	32.00	0.99	3 6	471-0115-1003
4,72 / 120	132.00	0,175	0,075	32.00	1.03	3 6	471-0120-1003
5 / 125-127	137.00	0,170	0,070	34.00	1.07	3 6	471-0125-1003
- / 130	142.00	0,165	0,060	34.00	1.11	3 6	471-0130-1003
5,5 / 140	152.00	0,160	0,050	36.00	1.19	3 6	471-0140-1003
6 / 150-152	162.00	0,110	0,040	38.00	0.86	3 6	471-0150-1003
6,3 / 160	172.00	0,105	0,035	40.00	0.91	3 6	471-0160-1003
6,5 / 165	177.00	0,100	0,035	41.00	0.94	3 6	471-0165-1003
- / 170	182.00	0,100	0,030	42.00	0.97	3 6	471-0170-1003
- / 175	187.00	0,100	0,030	44.00	0.99	3 6	471-0175-1003
7 / 178-180	192.00	0,095	0,030	44.00	1.02	3 6	471-0180-1003
8 / 200-203	212.00	0,090	0,025	48.00	1.13	3 6	471-0200-1003
- / 215	227.00	0,085	0,020	52.00	1.21	3 6	471-0215-1003
- / 225	237.00	0,085	0,020	54.00	1.27	3 6	471-0225-1003
9 / 228-229	240.00	0,085	0,020	54.00	1.29	3 6	471-0228-1003

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)	
- / 250	262.00	0,065	0,020	58.00	1.40	3 6	471-0250-1003
10 / 254	266.00	0,065	0,020	59.00	1.42	3 6	471-0254-1003
- / 275	287.00	0,060	0,015	64.00	1.54	3 6	471-0275-1003
11 / 280	292.00	0,060	0,015	65.00	1.57	3 6	471-0280-1003
- / 300	312.00	0,055	0,010	68.00	1.68	3 6	471-0300-1003
12 / 305	317.00	0,055	0,010	69.00	1.72	3 6	471-0305-1003
- / 315	327.00	0,055	0,010	71.00	1.78	3 6	471-0315-1003
- / 325	337.00	0,055	0,010	74.00	1.85	3 6	471-0325-1003
13 / 330	342.00	0,050	0,010	75.00	1.87	3 6	471-0330-1003
- / 350	362.00	0,040	0,010	78.00	1.95	3 6	471-0350-1003
14 / 356	368.00	0,040	0,010	79.00	2.00	3 6	471-0356-1003
- / 375	387.00	0,040	0,010	83.00	2.13	3 6	471-0375-1003
- / 400	412.00	0,040	0,010	88.00	2.23	3 6	471-0400-1003
16 / 405-406	418.00	0,040	0,010	89.00	2.26	3 6	471-0406-1003
- / 450	462.00	0,035	0,005	98.00	2.50	3 6	471-0450-1003
18 / 457	469.00	0,035	0,005	100.00	2.54	3 6	471-0457-1003
- / 500	512.00	0,030	0,005	108.00	2.77	3 6	471-0500-1003
20 / 508	520.00	0,025	0,005	110.00	2.82	3 6	471-0508-1003
- / 600	612.00	0,020	0,005	128.00	3.32	3	471-0600-1003
24 / 610	622.00	0,020	0,005	130.00	3.38	3	471-0610-1003
- / 700	712.00	0,015	0,002	148.00	3.87	3	471-0700-1003
28 / 712	724.00	0,015	0,001	151.00	3.94	3	471-0712-1003
- / 750	762.00	0,015	0,001	158.00	4.15	3	471-0750-1003
- / 800	812.00	0,015	0,001	168.00	4.42	3	471-0800-1003
32 / 813-815	827.00	0,015	0,001	171.00	4.52	3	471-0815-1003
- / 900	912.00	0,015	0,001	188.00	5.07	3	471-0900-1003
36 / 915	927.00	0,015	0,001	191.00	5.14	3	471-0915-1003
- / 1000	1012.00	0,015	0,001	208.00	5.51	3	471-1000-1003
40 / 1016	1028.00	0,010	0,001	211.00	5.58	3	471-1016-1003

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Accessories



CLAMP 213



CONNECT 228



CONNECT 270-271



CLAMP 212



CLAMP 217

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