



Food hose and pharmaceutical hose, super-light

Application

- flexible hose/ ducting for gases and for abrasive dust, powder, fibres
- food industry, pharmaceutical industry: foodstuff, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- bellows, compensators

Properties

- abrasion protection via external clamp profile
- secure clamping of the wall within the clamp profile
- highly flexible + compressible 5:1
- abrasion-resistant

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- Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004, incl. the latest EU-Directive 2015/174, FDA 21 CFR 177.2600
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- 40 °C to 90 °C

- short time to 125 °C

Design

- CP construction
- clamp profile supporting spiral: galvanised steel
- wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- stainless steel (INOX) clamp profile
- double-layer

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	0,280	0,270	25.00	0.66	6	455-0050-0000
- / 55	67.00	0,255	0,250	27.00	0.72	6	455-0055-0000
2,36 / 60	72.00	0,235	0,220	28.00	0.77	6	455-0060-0000
2,5 / 63-65	77.00	0,215	0,200	30.00	0.83	6	455-0065-0000
- / 70	82.00	0,200	0,180	31.00	0.89	6	455-0070-0000
3 / 75-76	87.00	0,190	0,160	33.00	0.95	6	455-0075-0000
- / 80	92.00	0,175	0,140	34.00	1.01	6	455-0080-0000
3,5 / 89-90	102.00	0,155	0,100	37.00	1.13	6	455-0090-0000
4 / 100-102	112.00	0,140	0,085	40.00	1.07	6	455-0100-0000
- / 110	122.00	0,130	0,075	43.00	1.17	3 6	455-0110-0000
4,5 / 114-115	127.00	0,125	0,070	45.00	1.22	3 6	455-0115-0000
4,72 / 120	132.00	0,120	0,065	46.00	1.27	3 6	455-0120-0000
5 / 125-127	137.00	0,110	0,060	48.00	1.32	3 6	455-0125-0000
- / 130	142.00	0,110	0,055	49.00	1.37	3 6	455-0130-0000
5,5 / 140	152.00	0,100	0,040	52.00	1.47	3 6	455-0140-0000
6 / 150-152	162.00	0,095	0,035	55.00	1.63	3 6	455-0150-0000
6,3 / 160	172.00	0,090	0,030	58.00	1.74	3 6	455-0160-0000
6,5 / 165	177.00	0,085	0,030	60.00	1.79	3 6	455-0165-0000
- / 170	182.00	0,080	0,030	61.00	1.84	3 6	455-0170-0000
- / 175	187.00	0,080	0,030	63.00	1.89	3 6	455-0175-0000
7 / 178-180	192.00	0,080	0,025	64.00	1.95	3 6	455-0180-0000
8 / 200-203	212.00	0,070	0,020	70.00	2.15	3 6	455-0200-0000
- / 215	227.00	0,065	0,020	75.00	2.31	3 6	455-0215-0000

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(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
- / 225	237.00	0,060	0,020	78.00	2.42	3 6	455-0225-0000
9 / 228-229	240.00	0,060	0,019	79.00	2.46	3 6	455-0228-0000
- / 250	262.00	0,055	0,015	85.00	2.68	3 6	455-0250-0000
10 / 254	266.00	0,050	0,015	87.00	2.72	3 6	455-0254-0000
- / 275	287.00	0,050	0,015	93.00	2.94	3 6	455-0275-0000
11 / 280	292.00	0,045	0,015	95.00	3.00	3 6	455-0280-0000
- / 300	312.00	0,045	0,010	100.00	3.20	3 6	455-0300-0000
12 / 305	317.00	0,045	0,010	102.00	3.25	3 6	455-0305-0000
- / 315	327.00	0,045	0,010	105.00	3.36	3 6	455-0315-0000
- / 325	337.00	0,045	0,010	107.00	3.46	3 6	455-0325-0000
13 / 330	342.00	0,045	0,010	109.00	3.51	3 6	455-0330-0000
- / 350	362.00	0,040	0,010	115.00	3.72	3 6	455-0350-0000
14 / 356	368.00	0,040	0,010	117.00	3.79	3 6	455-0356-0000
- / 375	387.00	0,040	0,010	123.00	3.99	3 6	455-0375-0000
- / 400	412.00	0,035	0,005	130.00	4.25	3 6	455-0400-0000
16 / 405-406	418.00	0,030	0,005	132.00	4.33	3 6	455-0406-0000
- / 450	462.00	0,030	0,005	145.00	4.77	3 6	455-0450-0000
18 / 457	469.00	0,030	0,005	148.00	4.85	3 6	455-0457-0000
- / 500	512.00	0,030	0,005	160.00	5.29	3 6	455-0500-0000
20 / 508	520.00	0,030	0,005	163.00	5.40	3 6	455-0508-0000
- / 600	612.00	0,025	0,005	190.00	6.34	3 6	455-0600-0000
24 / 610	622.00	0,025	0,005	195.00	6.50	3 6	455-0610-0000
- / 700	712.00	0,020	0,002	220.00	7.38	3 6	455-0700-0000
28 / 712	724.00	0,020	0,002	225.00	7.55	3 6	455-0712-0000
- / 750	762.00	0,020	0,001	235.00	7.91	3 6	455-0750-0000
- / 800	812.00	0,020	0,001	250.00	8.43	3 6	455-0800-0000
32 / 813-815	827.00	0,020	0,001	255.00	8.59	3 6	455-0815-0000
- / 900	912.00	0,015	0,001	280.00	9.48	3 6	455-0900-0000
36 / 915	927.00	0,015	0,001	285.00	9.64	3 6	455-0915-0000
- / 1000	1012.00	0,015	0,001	310.00	10.54	3 6	455-1000-0000
40 / 1016	1028.00	0,015	0,001	315.00	10.71	3 6	455-1016-0000

Accessories



CONNECT 270-271



CLAMP 217



CLAMP 212



CLAMP 213



CONNECT 228