



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
- extraction unit, dedusting system, filter system, oil mist extraction

Properties

- super-light weight
- highly flexible + compressible 3:1
- abrasion-resistant

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- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010
- Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004
- microbe and hydrolysis resistant
- odourless and tasteless
- good resistance to oil, gasoline and chemicals
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- 40 °C to 90 °C

Design

- patented PROTAPE® tape hose
- spring steel wire integrated in wall
- wall: special premium ether-polyurethane (Pre-PUR®)
- wall thickness 0,4 mm approx.

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- customer-specific branding

I.D. (in / mm)	outer Ø (mm)	Pressure DIN 26057 (50% Elongation) (bar)	Vacuum DIN 26057 (axially fixed) (bar)	Bending Radius (mm)	Weight (kg/m)	Dimensions in Stock (m)	Production Lengths (m)	Order No.
standard								
1,5 / 38	0.00	1,421	0,677	0.00	0.00	-	5 10 15	331-0038-0000
- / 40	0.00	1,072	0,643	0.00	0.00	-	5 10 15	331-0040-0000
1,75 / 44-45	0.00	0,861	0,573	0.00	0.00	-	5 10 15	331-0045-0000
2 / 50-51	54.40	0,719	0,517	0.00	0.00	-	5 10 15	331-0050-0000
2,36 / 60	64.40	0,664	0,432	0.00	0.00	-	5 10 15	331-0060-0000
2,5 / 63-65	0.00	0,617	0,399	0.00	0.00	-	5 10 15	331-0065-0000
- / 70	74.40	0,577	0,37	0.00	0.00	-	5 10 15	331-0070-0000
3 / 75-76	79.40	0,541	0,346	0.00	0.00	-	5 10 15	331-0075-0000
- / 80	84.40	0,481	0,325	0.00	0.00	-	5 10 15	331-0080-0000
3,5 / 89-90	94.40	0,434	0,289	0.00	0.00	-	5 10 15	331-0090-0000
4 / 100-102	104.80	0,394	0,26	0.00	0.00	-	5 10 15	331-0100-0000
- / 110	114.80	0,362	0,237	0.00	0.00	-	5 10 15	331-0110-0000
4,5 / 114-115	0.00	0,347	0,226	0.00	0.00	-	5 10 15	331-0115-0000
4,72 / 120	124.80	0,334	0,217	0.00	0.00	-	5 10 15	331-0120-0000
5 / 125-127	129.80	0,31	0,208	0.00	0.00	-	5 10 15	331-0125-0000
- / 130	134.80	0,29	0,200	0.00	0.00	-	5 10 15	331-0130-0000
5,5 / 140	144.80	0,272	0,186	0.00	0.00	-	5 10 15	331-0140-0000
6 / 150-152	154.80	0,242	0,174	0.00	0.00	-	5 10 15	331-0150-0000
6,3 / 160	164.80	0,218	0,163	0.00	0.00	-	5 10 15	331-0160-0000



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(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
6,5 / 165	0.00	0,193	0,158	0.00	0.00	-	5 10 15	331-0165-0000
7 / 178-180	185.20	0,174	0,145	0.00	0.00	-	5 10 15	331-0180-0000
8 / 200-203	205.20	0,158	0,131	0.00	0.00	-	5 10 15	331-0200-0000
- / 225	229.20	0,145	0,116	0.00	0.00	-	5 10	331-0225-0000
9 / 228-229	0.00	0,125	0,115	0.00	0.00	-	5 10	331-0228-0000
- / 250	255.60	0,109	0,105	0.00	0.00	-	5 10	331-0250-0000
10 / 254	0.00	0,097	0,103	0.00	0.00	-	5 10	331-0254-0000
- / 275	0.00	0,087	0,095	0.00	0.00	-	5 10	331-0275-0000
11 / 280	0.00	0,158	0,093	0.00	0.00	-	5 10	331-0280-0000
- / 300	305.60	0,156	0,087	0.00	0.00	-	5 10	331-0300-0000
12 / 305	0.00	0,145	0,086	0.00	0.00	-	5 10	331-0305-0000
- / 315	0.00	0,143	0,083	0.00	0.00	-	5 10	331-0315-0000
- / 325	0.00	0,138	0,080	0.00	0.00	-	5 10	331-0325-0000
13 / 330	0.00	0,134	0,079	0.00	0.00	-	5 10	331-0330-0000
- / 350	355.60	0,132	0,075	0.00	0.00	-	5 10	331-0350-0000
14 / 356	0.00	0,125	0,073	0.00	0.00	-	5 10	331-0356-0000
- / 400	405.60	0,122	0,065	0.00	0.00	-	5 10	331-0400-0000
16 / 405-406	0.00	0,109	0,064	0.00	0.00	-	5 10	331-0406-0000
- / 450	455.60	0,107	0,058	0.00	0.00	-	5 10	331-0450-0000
18 / 457	0.00	0,097	0,057	0.00	0.00	-	5 10	331-0457-0000
- / 500	0.00	0,095	0,052	0.00	0.00	-	5 10	331-0500-0000
20 / 508	0.00	0,087	0,052	0.00	0.00	-	5 10	331-0508-0000

Special type DB.PLA: Polyurethane food safe according to FDA, no approval according to EU regulation for the entire hose, stocked only in Italy

2 / 50-51	50.00	0,861	0,499	0.00	0.00	10	5 15	331-0050-5020
2,36 / 60	60.00	0,719	0,417	0.00	0.00	10	5 15	331-0060-5020
- / 70	0.00	0,617	0,358	0.00	0.00	10	5 15	331-0070-5020
3 / 75-76	75.00	0,577	0,334	0.00	0.00	10	5 15	331-0075-5020
- / 80	80.00	0,541	0,341	0.00	0.00	10	5 15	331-0080-5020
3,5 / 89-90	90.00	0,481	0,279	0.00	0.00	10	5 15	331-0090-5020
4 / 100-102	100.00	0,434	0,251	0.00	0.00	10	5 15	331-0100-5020
- / 110	110.00	0,394	0,229	0.00	0.00	10	5 15	331-0110-5020
4,72 / 120	120.00	0,362	0,21	0.00	0.00	10	5 15	331-0120-5020
5 / 125-127	125.00	0,347	0,201	0.00	0.00	10	5 15	331-0125-5020
- / 130	130.00	0,334	0,194	0.00	0.00	10	5 15	331-0130-5020
5,5 / 140	140.00	0,31	0,180	0.00	0.00	10	5 15	331-0140-5020
6 / 150-152	150.00	0,290	0,168	0.00	0.00	10	5 15	331-0150-5020
6,3 / 160	160.00	0,272	0,158	0.00	0.00	10	5 15	331-0160-5020
7 / 178-180	180.00	0,242	0,140	0.00	0.00	10	5 15	331-0180-5020
8 / 200-203	200.00	0,218	0,126	0.00	0.00	10	5 15	331-0200-5020
- / 225	225.00	0,193	0,112	0.00	0.00	10	5	331-0225-5020
- / 250	250.00	0,174	0,101	0.00	0.00	10	5	331-0250-5020
- / 300	300.00	0,145	0,084	0.00	0.00	10	5	331-0300-5020
- / 350	350.00	0,125	0,072	0.00	0.00	10	5	331-0350-5020
- / 400	400.00	0,109	0,063	0.00	0.00	10	5	331-0400-5020
- / 450	450.00	0,097	0,056	0.00	0.00	10	5	331-0450-5020

Accessories



CLAMP 210 BRIDGE
CLAMP



CONNECT 270-271



CONNECT 223



CLAMP 213



CLAMP 217



CLAMP 212