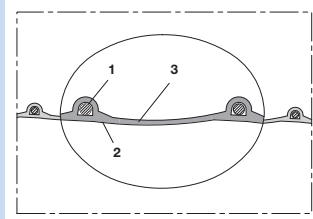




## Antistatic polyurethane hose CNC machines

# PUCH



Antistatic polyurethane hose, light, microbe resistant + flame-retardant



### Applications

- flexible hose/ ducting for gases and for abrasive dust, powder, fibres
- printed circuit board drilling machine (PCB)
- extraction unit, dedusting system, filter system, oil mist extraction
- extraction arm
- chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area
- textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine
- animal stall, animal shed: barn ventilation
- clean room ventilation, semiconductor production machine
- surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine
- heating hose: exterior hose as protection hose

### Properties

- lightweight and reinforced
- highly flexible + compressible 3:1
- abrasion-resistant
- microbe resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- flame-retardant according to: UL94-HB
- flame-retardant according to: DIN 4102-B1
- permanently antistatic wall: electrical and surface resistance  $<10^9 \Omega$
- in accordance with ATEX 2014/34/EU and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- conforms to the safety regulations of the German Wood Trade Association
- conforms to RoHS guideline

### Temperature Range

- 40°C to 90°C
- short time to 125°C

### Design, Material

patented PROTAPE® tape hose

- spring steel wire integrated in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 0,6 mm approx.

### Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific branding

I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m
1 / 25	32	1,605	0,540	20	0,15
- / 30	37	1,350	0,450	22	0,18
1,25 / 32	39	1,265	0,420	23	0,19
1,5 / 38	45	1,075	0,355	26	0,22
- / 40	47	1,020	0,335	27	0,23
2 / 50-51	58	0,820	0,220	33	0,37
2,36 / 60	68	0,685	0,180	38	0,43
2,5 / 63-65	73	0,635	0,165	41	0,46
- / 70	78	0,590	0,155	43	0,5
3 / 75-76	83	0,550	0,145	46	0,53
- / 80	88	0,515	0,135	48	0,57
3,5 / 89-90	98	0,460	0,120	53	0,63
4 / 100-102	108	0,415	0,080	58	0,67
- / 110	118	0,375	0,070	63	0,73
4,5 / 114-115	123	0,360	0,070	66	0,76
4,72 / 120	128	0,345	0,065	68	0,79
5 / 125-127	133	0,335	0,065	71	0,83
- / 130	138	0,320	0,060	73	0,86
5,5 / 140	148	0,295	0,055	78	0,92
6 / 150-152	158	0,275	0,055	83	0,99
6,3 / 160	168	0,260	0,050	88	1,05
- / 170	178	0,245	0,045	93	1,11



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I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m
- / 175	183	0,240	0,045	96	1,14
7 / 178-180	188	0,230	0,045	98	1,17
8 / 200-203	208	0,210	0,030	108	1,33
- / 225	233	0,185	0,025	121	1,48
- / 250	258	0,165	0,025	133	1,64
10 / 254	262	0,165	0,025	135	1,66
11 / 280	288	0,150	0,020	148	1,83
- / 300	309	0,140	0,020	159	2,14
12 / 305	314	0,135	0,020	162	2,17
- / 315	324	0,135	0,020	167	2,24
- / 350	359	0,120	0,020	184	2,49
14 / 356	365	0,115	0,015	187	2,53
- / 400	409	0,105	0,015	209	2,84
- / 450	459	0,095	0,015	234	3,19
- / 500	510	0,085	0,015	260	4,39