

Antistatic polyurethane hose, super-light, microbe resistant, flame-resistant

### Application

- flexible hose/ ducting for gases and for abrasive dust, powder, fibres
- 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
- animal stall, animal shed: barn ventilation
- bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating
- clean room ventilation, semiconductor production machine
- bellows, compensators

### Properties

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

- 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: according to ISO 8031 electrical and surface resistance  $<10^9 \Omega$  (according to NFPA 652  $10^8-10^9 \Omega$ )
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases)
- conforms to the safety regulations of the German Wood Trade Association
- according to DIN 26057 Type 1
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

### Temperature Range

- 40°C to 90°C

- short time to 125°C
- 40°C to 125°C

### Design

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

### Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific branding
- ID 1,5"/ 38mm 12/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID315 500mm not compressed

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)	Minimum Quantity (m)	Dimensions in Stock (m)	Order No.
<b>standard</b>								
1,5 / 38	46.00	0,630 (1,86)	0,245 (0,73)	27.00	0.22	-	5 10 15	301-0038-0000
- / 40	48.00	0,600 (1,77)	0,235 (0,66)	28.00	0.23	-	5 10 15	301-0040-0000
1,75 / 44-45	53.00	0,535 (1,58)	0,210 (0,52)	31.00	0.26	-	5 10 15	301-0045-0000
2 / 50-51	58.00	0,480 (1,42)	0,170 (0,85)	33.00	0.28	-	5 10 15	301-0050-0000
2,36 / 60	68.00	0,405 (1,19)	0,145 (0,59)	38.00	0.34	-	5 10 15	301-0060-0000
2,5 / 63-65	73.00	0,370 (1,09)	0,130 (0,51)	40.00	0.36	-	5 10 15	301-0065-0000
- / 70	78.00	0,345 (1,02)	0,125 (0,44)	43.00	0.38	-	5 10 15	301-0070-0000
3 / 75-76	83.00	0,325 (0,95)	0,115 (0,39)	45.00	0.41	-	5 10 15	301-0075-0000
- / 80	88.00	0,305 (0,89)	0,110 (0,34)	48.00	0.44	-	5 10 15	301-0080-0000
3,5 / 89-90	98.00	0,270 (0,79)	0,095 (0,27)	53.00	0.49	-	5 10 15	301-0090-0000
4 / 100-102	108.00	0,245 (0,71)	0,055 (0,30)	58.00	0.51	-	5 10 15	301-0100-0000
- / 110	118.00	0,220 (0,65)	0,050 (0,25)	63.00	0.56	-	5 10 15	301-0110-0000
4,5 / 114-115	123.00	0,210 (0,62)	0,050 (0,23)	66.00	0.58	-	5 10 15	301-0115-0000
4,72 / 120	128.00	0,205 (0,59)	0,045 (0,21)	68.00	0.61	-	5 10 15	301-0120-0000
5 / 125-127	133.00	0,195 (0,57)	0,045 (0,19)	71.00	0.63	-	5 10 15	301-0125-0000
- / 130	138.00	0,185 (0,55)	0,040 (0,18)	73.00	0.66	-	5 10 15	301-0130-0000



I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending Radius	Weight	Minimum Quantity	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
5,5 / 140	148.00	0,175 (0,51)	0,040 (0,15)	78.00	0.71	-	5 10 15	301-0140-0000
6 / 150-152	158.00	0,160 (0,48)	0,035 (0,13)	83.00	0.76	-	5 10 15	301-0150-0000
6,3 / 160	168.00	0,150 (0,45)	0,035 (0,12)	88.00	0.81	-	5 10 15	301-0160-0000
6,5 / 165	173.00	0,150 (0,43)	0,035 (0,11)	91.00	0.83	-	5 10 15	301-0165-0000
7 / 178-180	188.00	0,135 (0,40)	0,030 (0,09)	98.00	0.90	-	5 10 15	301-0180-0000
8 / 200-203	208.00	0,120 (0,36)	0,025 (0,11)	108.00	1.03	-	5 10 15	301-0200-0000
- / 225	234.00	0,110 (0,32)	0,020 (0,08)	122.00	1.16	-	5 10	301-0225-0000
- / 250	259.00	0,100 (0,29)	0,020 (0,06)	136.00	1.28	-	5 10	301-0250-0000
10 / 254	263.00	0,095 (0,28)	0,020 (0,06)	144.00	1.30	-	5 10	301-0254-0000
11 / 280	289.00	0,085 (0,26)	0,020 (0,05)	149.00	1.43	-	5 10	301-0280-0000
- / 300	309.00	0,080 (0,24)	0,015 (0,04)	159.00	1.70	-	5 10	301-0300-0000
12 / 305	315.00	0,080 (0,23)	0,015 (0,04)	163.00	1.73	-	5 10	301-0305-0000
- / 315	325.00	0,075 (0,23)	0,015 (0,04)	168.00	1.79	-	5 10	301-0315-0000
- / 350	360.00	0,070 (0,20)	0,015 (0,03)	185.00	2.00	-	5 10	301-0350-0000
14 / 356	366.00	0,070 (0,20)	0,015 (0,03)	190.00	2.10	-	5 10	301-0356-0000
- / 400	410.00	0,060 (0,18)	0,015 (0,02)	210.00	2.26	-	5 10	301-0400-0000
- / 450	460.00	0,055 (0,16)	0,010 (0,02)	235.00	2.52	-	5 10	301-0450-0000
- / 500	510.00	0,050 (0,14)	0,010 (0,01)	260.00	2.78	-	5 10	301-0500-0000

**neutral imprint: <ID> antistatic + microbe resistant <neutral batch no.> / no cutting**

1,5 / 38	46.00	0,630 (1,86)	0,245 (0,73)	27.00	0.22	-	10	301-0038-0007
- / 40	48.00	0,600 (1,77)	0,235 (0,66)	28.00	0.23	-	10	301-0040-0007
2 / 50-51	58.00	0,480 (1,42)	0,170 (0,85)	33.00	0.28	-	10	301-0050-0007
2,36 / 60	68.00	0,405 (1,19)	0,145 (0,59)	38.00	0.34	-	10	301-0060-0007
2,5 / 63-65	73.00	0,370 (1,09)	0,130 (0,51)	40.00	0.36	-	10	301-0065-0007
- / 70	78.00	0,345 (1,02)	0,125 (0,44)	43.00	0.38	-	10	301-0070-0007
3 / 75-76	83.00	0,325 (0,95)	0,115 (0,39)	45.00	0.41	-	10	301-0075-0007
- / 80	88.00	0,305 (0,89)	0,110 (0,34)	48.00	0.44	-	10	301-0080-0007
4 / 100-102	108.00	0,245 (0,71)	0,055 (0,30)	58.00	0.51	-	10	301-0100-0007
4,72 / 120	128.00	0,205 (0,59)	0,045 (0,21)	68.00	0.61	-	10	301-0120-0007
5 / 125-127	133.00	0,195 (0,57)	0,045 (0,19)	71.00	0.63	-	10	301-0125-0007
5,5 / 140	148.00	0,175 (0,51)	0,040 (0,15)	78.00	0.71	-	10	301-0140-0007
6 / 150-152	158.00	0,160 (0,48)	0,035 (0,13)	83.00	0.76	-	10	301-0150-0007
6,3 / 160	168.00	0,150 (0,45)	0,035 (0,12)	88.00	0.81	-	10	301-0160-0007
7 / 178-180	188.00	0,135 (0,40)	0,030 (0,09)	98.00	0.90	-	10	301-0180-0007
8 / 200-203	208.00	0,120 (0,36)	0,025 (0,11)	108.00	1.03	-	10	301-0200-0007
- / 225	234.00	0,110 (0,32)	0,020 (0,08)	122.00	1.16	-	10	301-0225-0007
- / 250	259.00	0,100 (0,29)	0,020 (0,06)	136.00	1.28	-	10	301-0250-0007
- / 300	309.00	0,080 (0,24)	0,015 (0,04)	159.00	1.70	-	10	301-0300-0007

**more compressed packaging approx. 5:1, neutral imprint, no cutting**

1,5 / 38	46.00	0,630 (1,86)	0,245 (0,73)	27.00	0.22	150	-	301-0038-2030
- / 40	48.00	0,600 (1,77)	0,235 (0,66)	28.00	0.23	150	-	301-0040-2030
2 / 50-51	58.00	0,480 (1,42)	0,170 (0,85)	33.00	0.28	150	-	301-0050-2030
2,36 / 60	68.00	0,405 (1,19)	0,145 (0,59)	38.00	0.34	150	-	301-0060-2030
2,5 / 63-65	73.00	0,370 (1,09)	0,130 (0,51)	40.00	0.36	150	-	301-0065-2030
- / 70	78.00	0,345 (1,02)	0,125 (0,44)	43.00	0.38	150	-	301-0070-2030
3 / 75-76	83.00	0,325 (0,95)	0,115 (0,39)	45.00	0.41	100	-	301-0075-2030
- / 80	88.00	0,305 (0,89)	0,110 (0,34)	48.00	0.44	100	-	301-0080-2030
4 / 100-102	108.00	0,245 (0,71)	0,055 (0,30)	58.00	0.51	100	-	301-0100-2030
4,72 / 120	128.00	0,205 (0,59)	0,045 (0,21)	68.00	0.61	100	-	301-0120-2030
5 / 125-127	133.00	0,195 (0,57)	0,045 (0,19)	71.00	0.63	100	-	301-0125-2030
5,5 / 140	148.00	0,175 (0,51)	0,040 (0,15)	78.00	0.71	80	-	301-0140-2030

# PROTAPE® PUR 301 AS (XLD)



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6 / 150-152	158.00	0,160 (0,48)	0,035 (0,13)	83.00	0.76	80	-	301-0150-2030
6,3 / 160	168.00	0,150 (0,45)	0,035 (0,12)	88.00	0.81	80	-	301-0160-2030
7 / 178-180	188.00	0,135 (0,40)	0,030 (0,09)	98.00	0.90	80	-	301-0180-2030
8 / 200-203	208.00	0,120 (0,36)	0,025 (0,11)	108.00	1.03	60	-	301-0200-2030
- / 225	234.00	0,110 (0,32)	0,020 (0,08)	122.00	1.16	60	-	301-0225-2030
- / 250	259.00	0,100 (0,29)	0,020 (0,06)	136.00	1.28	50	-	301-0250-2030
- / 300	309.00	0,080 (0,24)	0,015 (0,04)	159.00	1.70	40	-	301-0300-2030

## Accessories



CONNECT 270-271



CLAMP 210 BRIDGE  
CLAMP



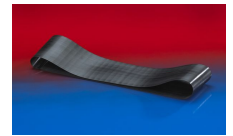
CLAMP 217



CLAMP 213



CONNECT 223



CONNECT 228



CLAMP 212