

**Abrasion-proof suction and blast hose; Super-light and reinforced, highly flexible + compressible 3:1**

**Applications:** Abrasion-proof suction and blast hose, especially suitable:

- for abrasive solids such as dust, powder, fibres and chips
- for gaseous media such as oil vapors and welding smoke
- for de-dusting and suction plants

**Properties**

- super-light and reinforced model
- highly flexible + compressible 3:1
- abrasion-proof (abrasion resistance about 2.5 to 5 times better than most rubber materials and about 3 to 4 times better than most soft PVC´s)
- optimized flow properties
- high tensile strength and tear resistant
- food grade wall, complies with: FDA 21 CFR 177.2600 and 178.2010, EU Directive 2002/72/EC, incl. amending Directives 975/2009 and Regulation No. 10/2011

- approved by an independent testing laboratory for the complete hose acc. to EU Directive 2002/72/EC, incl. amending Directive 975/2009 and Regulation No. 10/2011
- microbe and hydrolysis resistant
- good resistance to mineral oils and gasoline
- good resistance to chemicals
- good resistance to UV and ozone
- very good low temperature flexibility (better than comparable ester-polyurethanes)
- small bending radius
- kink-proof
- free of softener and halogen
- gas and liquid tight
- conform to RoHS guideline
- according to German TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding, recommended for many applications with the exception of inflammable bulk materials

**Temperature Range**

- -40 °C approx. to +90 °C approx.
- short time to +125 °C approx.

**Design, material**

PROTAPE® tape hose

1. spring steel wire integrated in wall
2. extruded tape  
wall: special premium ether-polyurethane (Pre-PUR®)
3. wall thickness 0.6 mm approx.

**Delivery variants**

- cut lengths and special lengths
- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific product marking
- wall: „bioplastic“ material derived from renewable raw materials without food applicability
- customised connectors

I.D. mm	O.D. mm	Rec. operating limits		Bending Radius mm	Weight kg/m	Stock Lengths m	Further Production Lengths m	Order No.
		Overpressure bar	Vacuum bar					
25	32	1,600	0,360	32	0,170	10	15	330-0025-0000
30	37	1,345	0,340	37	0,200	10	15	330-0030-0000
32	39	1,260	0,340	39	0,210	10 15	-	330-0032-0000
38	45	1,060	0,320	45	0,250	10 15	-	330-0038-0000
40	47	1,015	0,300	47	0,280	10 15	-	330-0040-0000
45	52	0,900	0,285	52	0,310	-	10 15	330-0045-0000
50	58	0,815	0,260	58	0,360	10 15	-	330-0050-0000
51	59	0,800	0,260	59	0,370	10	15	330-0051-0000
60	68	0,680	0,210	68	0,430	10 15	-	330-0060-0000
63	71	0,645	0,195	71	0,450	10	15	330-0063-0000
65	73	0,630	0,180	73	0,470	10	15	330-0065-0000
70	78	0,585	0,150	78	0,500	10 15	-	330-0070-0000
75	83	0,545	0,140	83	0,530	10	15	330-0075-0000
76	84	0,540	0,140	84	0,540	-	10 15	330-0076-0000
80	88	0,510	0,130	88	0,570	10 15	-	330-0080-0000
90	98	0,455	0,115	98	0,630	10	15	330-0090-0000
100	108	0,410	0,090	108	0,660	10	15	330-0100-0000
102	110	0,400	0,090	110	0,680	10	15	330-0102-0000
110	118	0,375	0,080	118	0,730	10	15	330-0110-0000
115	123	0,355	0,080	123	0,760	10	15	330-0115-0000
120	128	0,340	0,075	128	0,790	10	15	330-0120-0000
125	133	0,330	0,060	133	0,820	10 15	-	330-0125-0000
127	135	0,325	0,060	135	0,830	10	15	330-0127-0000
130	138	0,315	0,060	138	0,850	10	15	330-0130-0000
140	148	0,295	0,060	148	0,920	10	15	330-0140-0000
150	158	0,275	0,055	158	0,980	10 15	-	330-0150-0000



I.D.	O.D.	Rec. operating limits		Bending Radius	Weight	Stock Lengths	Further Production Lengths	Order No.
		Overpressure	Vacuum					
mm	mm	bar	bar	mm	kg/m	m	m	
152	160	0,270	0,055	160	0,990	10	15	330-0152-0000
160	168	0,255	0,050	168	1,040	10	15	330-0160-0000
170	178	0,240	0,045	178	1,110	10	15	330-0170-0000
175	183	0,235	0,040	183	1,140	10	15	330-0175-0000
178	186	0,230	0,040	186	1,160	-	10 15	330-0178-0000
180	188	0,230	0,040	188	1,170	10	15	330-0180-0000
200	208	0,205	0,040	208	1,540	10	15	330-0200-0000
203	211	0,205	0,040	211	1,570	10	15	330-0203-0000
225	233	0,180	0,030	233	1,750	10	15	330-0225-0000
228	236	0,180	0,028	236	1,770	-	10 15	330-0228-0000
250	258	0,165	0,015	258	1,900	10	15	330-0250-0000
254	262	0,165	0,015	262	1,940	-	10 15	330-0254-0000
275	283	0,150	0,015	283	2,110	-	10	330-0275-0000
280	288	0,145	0,015	288	2,150	-	10	330-0280-0000
300	309	0,135	0,015	309	2,530	10	-	330-0300-0000
305	314	0,135	0,015	314	2,570	-	10	330-0305-0000
315	324	0,130	0,010	324	2,650	-	10	330-0315-0000
325	334	0,125	0,010	334	2,740	-	10	330-0325-0000
350	359	0,115	0,010	359	2,950	10	-	330-0350-0000
400	409	0,105	0,010	409	3,360	10	-	330-0400-0000
450	459	0,090	0,006	459	3,770	-	10	330-0450-0000
500	510	0,080	0,005	510	5,160	-	10	330-0500-0000

Other diameters and lengths available on request. All values indicated here are approximate figures based on a temperature of 20 °C. Data subject to change without notice. Please also refer to our Technical Appendix on [www.norres.com](http://www.norres.com).

## Accessories

13.1.0



CLAMP 212

13.6.0



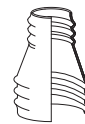
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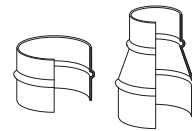
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CONNECT 223

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