

## Abrasion-proof suction and transport hose; Light, smooth interior

**Applications:** Universal and abrasion-proof suction and transport 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

- light model
- highly 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)
- smooth interior
- optimized flow properties
- flexible
- 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 Directives 2008/39/EC and 975/2009
- 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 the spiral, 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

AIRDUC® profile hose

1. spring steel wire firmly embedded in wall
2. profile with optimised flow properties  
wall: special premium ether-polyurethane (Pre-PUR®)
3. wall thickness 0.7 mm approx.

### Delivery variants

- cut lengths and special lengths
- transparent (standard)
- special colours: full 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	2,250	0,470	35	0,190	10	15	350-0025-0000
30	37	1,870	0,450	41	0,250	10	15	350-0030-0000
32	39	1,755	0,440	43	0,270	10	15	350-0032-0000
35	42	1,610	0,420	46	0,290	-	10 15	350-0035-0000
38	45	1,485	0,410	50	0,310	10	15	350-0038-0000
40	47	1,140	0,395	52	0,330	10	15	350-0040-0000
45	52	1,260	0,365	57	0,370	10	15	350-0045-0000
50	57	1,135	0,345	63	0,400	10 15	-	350-0050-0000
55	62	1,035	0,315	68	0,440	10	15	350-0055-0000
60	67	0,950	0,270	74	0,480	10 15	-	350-0060-0000
65	70	0,850	0,240	79	0,520	10	15	350-0065-0000
70	77	0,815	0,200	85	0,560	10	15	350-0070-0000
75	82	0,760	0,185	90	0,590	10	15	350-0075-0000
76	83	0,750	0,180	91	0,600	-	10 15	350-0076-0000
80	87	0,715	0,165	96	0,640	10 15	-	350-0080-0000
90	97	0,635	0,145	107	0,720	10	15	350-0090-0000
100	107	0,575	0,115	118	0,800	10 15	-	350-0100-0000
102	109	0,560	0,115	120	0,810	-	10 15	350-0102-0000
110	117	0,520	0,105	129	0,870	10	15	350-0110-0000
115	122	0,500	0,100	134	0,900	10	15	350-0115-0000
120	127	0,475	0,095	140	0,950	10	15	350-0120-0000
125	132	0,460	0,080	145	0,980	10	15	350-0125-0000
127	134	0,450	0,080	146	0,990	-	10 15	350-0127-0000
130	137	0,440	0,080	151	1,010	10	15	350-0130-0000
140	147	0,410	0,080	162	1,090	10	15	350-0140-0000
150	157	0,380	0,075	173	1,400	10 15	-	350-0150-0000



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	
160	167	0,380	0,065	184	1,500	10	15	350-0160-0000
170	177	0,355	0,060	193	1,580	10	15	350-0170-0000
175	182	0,325	0,050	200	1,630	10	15	350-0175-0000
180	187	0,320	0,050	206	1,670	10	15	350-0180-0000
200	207	0,285	0,050	228	1,860	10 15	-	350-0200-0000
203	210	0,280	0,050	231	1,880	-	10 15	350-0203-0000
225	232	0,255	0,035	255	2,080	10	15	350-0225-0000
250	257	0,230	0,020	283	2,310	10	15	350-0250-0000
275	282	0,210	0,020	310	2,540	10	-	350-0275-0000
280	287	0,205	0,020	316	2,590	-	10	350-0280-0000
300	307	0,190	0,020	338	2,770	10	-	350-0300-0000
315	322	0,180	0,015	354	2,900	-	10	350-0315-0000
320	327	0,180	0,015	360	2,950	-	10	350-0320-0000
325	332	0,175	0,015	365	2,990	-	10	350-0325-0000
350	357	0,165	0,015	393	3,220	10	-	350-0350-0000
375	382	0,155	0,010	422	3,910	-	10	350-0375-0000
400	407	0,145	0,010	448	4,170	10	-	350-0400-0000
450	457	0,130	0,010	506	4,690	-	10	350-0450-0000
500	507	0,115	0,010	563	5,200	-	10	350-0500-0000

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



NORCLAMP 212

13.6.0



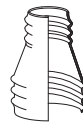
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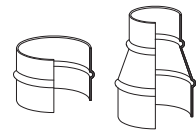
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NORCONNECT 223

13.18.0



NORCONNECT 270-271