



Abrasion-proof suction and transport hose; Heavy, smooth interior

Applications: Universal and abrasion-proof suction and transport hose, especially suitable:

- for high flow-rates of abrasive solids such as powder, chips and granulates
- for gaseous and liquid media
- for industrial vacuum cleaners, granulate conveying systems, printing machines, blowers and compressors

Properties

- heavy 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 with low weight
- increased pressure and vacuum resistance

- high tensile strength and tear resistant
- good resistance to mineral oils and gasoline
- good resistance to chemicals
- good resistance to UV and ozone
- small bending radius
- kink-proof
- free of softener and halogen
- gas and liquid tight
- flame-retardant according to: UL94-V2
- 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
 3. wall: special premium ester-polyurethane (Pre-PUR®)
3. wall thickness 1.5 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 UL approval
- as a pre-assembled hose system with NORCONNECT connectors
- 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					
13	20	4,500	1,000	20	0,140	10	15	355-0013-0000
16	23	4,300	1,000	23	0,160	10 15	-	355-0016-0000
18	25	4,250	1,000	25	0,170	10	15	355-0018-0000
20	27	4,100	1,000	27	0,230	10 15 20 25	-	355-0020-0000
22	29	3,910	1,000	29	0,250	10	15	355-0022-0000
25	32	3,655	1,000	32	0,280	10 15 20 25	-	355-0025-0000
26	33	3,600	1,000	33	0,290	-	10 15	355-0026-0000
30	40	3,450	0,980	40	0,420	10 15	-	355-0030-0000
32	42	3,260	0,970	42	0,440	10 15 20 25	-	355-0032-0000
33	43	3,170	0,970	43	0,460	-	10 15	355-0033-0000
35	45	3,110	0,970	45	0,480	10 15	-	355-0035-0000
38	48	3,080	0,950	48	0,520	10 15	-	355-0038-0000
40	50	3,050	0,950	50	0,540	10 15	-	355-0040-0000
42	52	2,910	0,940	52	0,560	10 15	-	355-0042-0000
45	55	2,730	0,940	55	0,600	10 15	-	355-0045-0000
50	60	2,450	0,930	60	0,660	10 15	-	355-0050-0000
51	61	2,400	0,915	61	0,680	-	10 15	355-0051-0000
55	65	2,250	0,880	65	0,720	10 15	-	355-0055-0000
60	70	2,060	0,810	70	0,780	10 15	-	355-0060-0000
63	73	1,985	0,775	73	0,830	-	10 15	355-0063-0000
65	75	1,910	0,750	75	0,840	10 15	-	355-0065-0000
70	81	1,780	0,670	97	0,980	10 15	-	355-0070-0000
75	86	1,660	0,615	103	1,050	10 15	-	355-0075-0000
76	87	1,630	0,610	104	1,070	-	10 15	355-0076-0000
80	91	1,560	0,560	109	1,110	10 15	-	355-0080-0000
85	96	1,420	0,480	115	1,180	-	10 15	355-0085-0000
90	101	1,300	0,425	121	1,250	10 15	-	355-0090-0000
100	111	1,250	0,390	133	1,490	10 15	-	355-0100-0000



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	
102	113	1,225	0,390	136	1,510	10	15	355-0102-0000
105	116	1,200	0,380	139	1,550	-	10 15	355-0105-0000
110	121	1,140	0,360	145	1,630	10 15	-	355-0110-0000
115	126	1,090	0,335	151	1,680	10	15	355-0115-0000
120	131	1,050	0,315	157	1,770	10	15	355-0120-0000
125	136	1,010	0,295	163	1,840	10 15	-	355-0125-0000
127	138	0,990	0,290	166	1,870	-	10 15	355-0127-0000
130	141	0,965	0,270	169	1,910	10	15	355-0130-0000
140	151	0,900	0,240	181	2,030	10 15	-	355-0140-0000
150	161	0,840	0,200	193	2,410	10 15	-	355-0150-0000
152	163	0,825	0,195	196	2,440	10	15	355-0152-0000
160	171	0,785	0,185	205	2,560	10 15	-	355-0160-0000
170	181	0,740	0,170	217	2,720	10	15	355-0170-0000
175	186	0,720	0,155	223	2,790	10	15	355-0175-0000
180	191	0,700	0,150	229	2,870	10	15	355-0180-0000
200	213	0,630	0,135	256	3,120	10 15	-	355-0200-0000
203	216	0,615	0,130	259	3,170	-	10 15	355-0203-0000
225	238	0,560	0,110	286	3,500	10	15	355-0225-0000
250	263	0,510	0,085	316	3,880	10	15	355-0250-0000
275	288	0,460	0,080	346	4,260	10	-	355-0275-0000
280	293	0,450	0,075	352	4,330	10	-	355-0280-0000
300	313	0,420	0,070	376	5,160	10	-	355-0300-0000
315	328	0,405	0,065	394	5,410	-	10	355-0315-0000
320	333	0,395	0,065	400	5,500	-	10	355-0320-0000
325	338	0,385	0,065	406	5,580	10	-	355-0325-0000
350	363	0,360	0,055	436	6,000	10	-	355-0350-0000
375	388	0,340	0,050	466	6,420	-	10	355-0375-0000
400	413	0,320	0,045	496	8,020	10	-	355-0400-0000
450	463	0,280	0,035	556	9,000	10	-	355-0450-0000
500	514	0,255	0,030	617	10,000	10	-	355-0500-0000

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.



Accessories

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|--------------------|--|--------------------|--|----------------------|--|----------------|--|----------------|--|
| 13.1.0 | | 13.2.0 | | 13.5.0 | | 13.6.0 | | 13.7.0 | |
| NORCLAMP 212 | | NORCLAMP 216 | | NORCLAMP 212 EC | | NORCLAMP 217 | | NORCLAMP 213 | |
| 13.7.6 | | 13.7.7 | | 13.8.0 | | 13.9.0 | | 13.10.0 | |
| NORCONNECT 231 | | NORCONNECT 232 | | NORCONNECT 240 + 241 | | NORCONNECT 242 | | NORCONNECT 243 | |
| 13.11.0 | | 13.12.2 | | 13.12.0 | | 13.13.0 | | 13.14.0 | |
| NORCONNECT 244 | | NORCONNECT 245 CSH | | NORCONNECT 245 | | NORCONNECT 246 | | NORCONNECT 223 | |
| 13.18.0 | | | | | | | | | |
| NORCONNECT 270-271 | | | | | | | | | |