



Abrasion-proof suction and transport hose; Medium-heavy, smooth interior

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

- for abrasive solids such as dust, powder, fibres, chips and granulates
- for gaseous and liquid media
- for de-dusting and suction plants, industrial vacuum cleaners, suction of paper and textile fibres

Properties

- medium-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
- 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)
- kink-proof
- free of softener and halogen
- gas and liquid tight
- flame-retardant according to: UL94-HB
- 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 integrated in wall
2. profile with optimised flow properties
wall: special premium ether-polyurethane (Pre-PUR®)
3. wall thickness 1.0 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 and 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					
25	32	2,690	0,495	35	0,200	10 15	-	351-0025-0000
30	38	2,260	0,475	42	0,260	10	15	351-0030-0000
32	40	2,120	0,460	44	0,280	10	15	351-0032-0000
35	43	1,940	0,440	47	0,300	10	15	351-0035-0000
38	46	1,795	0,430	51	0,320	10 15	-	351-0038-0000
40	48	1,710	0,420	53	0,340	10 15	-	351-0040-0000
45	53	1,525	0,385	58	0,380	10	15	351-0045-0000
50	58	1,370	0,365	64	0,410	10 15	-	351-0050-0000
51	59	1,350	0,360	65	0,420	-	10 15	351-0051-0000
55	63	1,255	0,330	69	0,450	10 15	-	351-0055-0000
60	68	1,150	0,285	75	0,490	10 15	-	351-0060-0000
63	71	1,095	0,265	78	0,515	-	10 15	351-0063-0000
65	73	1,060	0,255	80	0,530	10 15	-	351-0065-0000
70	79	0,990	0,210	87	0,590	10 15	-	351-0070-0000
75	84	0,920	0,195	92	0,640	10	15	351-0075-0000
76	85	0,910	0,190	93	0,650	-	10 15	351-0076-0000
80	89	0,860	0,175	98	0,680	10 15	-	351-0080-0000
90	99	0,770	0,155	109	0,750	10	15	351-0090-0000
100	109	0,690	0,120	120	0,970	10 15	-	351-0100-0000
102	111	0,680	0,120	122	0,990	-	10 15	351-0102-0000
110	119	0,630	0,110	131	1,060	10 15	-	351-0110-0000
115	124	0,605	0,105	136	1,110	10	15	351-0115-0000
120	129	0,580	0,105	142	1,160	10 15	-	351-0120-0000
125	134	0,560	0,085	147	1,200	10 15	-	351-0125-0000



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	
127	136	0,545	0,085	148	1,220	-	10 15	351-0127-0000
130	139	0,535	0,085	153	1,250	10	15	351-0130-0000
140	149	0,495	0,085	164	1,340	10	15	351-0140-0000
150	159	0,460	0,075	175	1,520	10 15	-	351-0150-0000
152	161	0,455	0,075	177	1,540	-	10 15	351-0152-0000
160	169	0,435	0,065	186	1,610	10	15	351-0160-0000
170	179	0,410	0,065	195	1,710	10	15	351-0170-0000
175	184	0,400	0,055	202	1,760	10	15	351-0175-0000
180	189	0,385	0,055	208	1,810	10	15	351-0180-0000
200	209	0,350	0,055	230	2,000	10 15	-	351-0200-0000
203	212	0,345	0,055	233	2,030	-	10 15	351-0203-0000
225	234	0,310	0,040	257	2,160	10	15	351-0225-0000
250	259	0,280	0,020	285	2,390	10	15	351-0250-0000
275	284	0,255	0,020	312	2,630	10	-	351-0275-0000
280	289	0,250	0,020	318	2,670	-	10	351-0280-0000
300	309	0,230	0,020	340	2,860	10	-	351-0300-0000
315	324	0,220	0,020	356	3,000	-	10	351-0315-0000
320	329	0,215	0,020	362	3,050	-	10	351-0320-0000
325	334	0,215	0,015	367	3,100	10	-	351-0325-0000
350	359	0,200	0,015	395	3,330	10	-	351-0350-0000
375	384	0,185	0,010	424	3,900	-	10	351-0375-0000
400	409	0,170	0,010	450	4,270	10	-	351-0400-0000
450	459	0,155	0,010	508	4,800	-	10	351-0450-0000
500	509	0,140	0,010	565	5,330	-	10	351-0500-0000

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

13.1.0		13.5.0		13.6.0		13.7.0		13.8.0	
	NORCLAMP 212		NORCLAMP 212 EC		NORCLAMP 217		NORCLAMP 213		NORCONNECT 240 + 241
13.9.0		13.10.0		13.11.0		13.12.5		13.12.6	
	NORCONNECT 242		NORCONNECT 243		NORCONNECT 244		NORCONNECT INOX 245		NORCONNECT INOX 247
13.12.7		13.13.0		13.14.0		13.18.0			
	NORCONNECT INOX 249		NORCONNECT 246		NORCONNECT 223		NORCONNECT 270-271		