

Flame-retardant suction and blast hose for the wood industry; Heavy, smooth interior, abrasion-proof

Applications: Special suction and transport hose in flame-retardant polyurethane resistant to aggressive wood types and wood preservatives, especially suitable:

- for the suction of wood dust and wood chips on wood processing machines
- for abrasive solids such as dust, powder, fibres, chips and granulates
- for de-dusting and suction plants

Properties

- conforms to the safety regulations of the German Wood Trade Association
- 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
- microbe and hydrolysis resistant
- good resistance to mineral oils and gasoline
- good resistance to chemicals
- good resistance to UV and ozone
- small bending radius
- kink-proof
- halogen free
- gas and liquid tight
- flame-retardant according to: UL94-V0, DIN 4102-B1
- 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: premium polyurethane, resistant to aggressive wood types and wood preservatives, with flame-retardant additive (Pre-PUR®)
3. wall thickness 0.7 mm approx.

Delivery variants

- cut lengths and special lengths
- transparent + partially silver coloured (standard)
- special colours: partially coloured, completely coloured
- customer-specific product marking
- as a pre-assembled hose system with NORCONNECT connectors
- customised connectors

I.D.	O.D.	Rec. operating limits	Bending	Weight	Stock Lengths	Further Production Lengths	Order No.
mm	mm	Vacuum bar	Radius mm	kg/m	m	m	
40	48	0,420	53	0,350	10	15	533-0040-5070
45	53	0,385	58	0,380	10	15	533-0045-5070
50	58	0,365	64	0,420	10 15	-	533-0050-5070
60	68	0,285	75	0,490	10	15	533-0060-5070
65	73	0,255	80	0,530	10	15	533-0065-5070
70	79	0,210	87	0,560	10	15	533-0070-5070
75	84	0,195	92	0,600	10	15	533-0075-5070
76	85	0,190	93	0,650	-	10 15	533-0076-5070
80	89	0,175	98	0,630	10 15	-	533-0080-5070
90	99	0,155	109	0,710	10	15	533-0090-5070
100	109	0,120	120	0,780	10 15	-	533-0100-5070
102	111	0,120	122	0,990	-	10 15	533-0102-5070
110	119	0,110	131	0,860	10	15	533-0110-5070
115	124	0,105	136	1,110	-	10 15	533-0115-5070
120	129	0,105	142	0,930	10 15	-	533-0120-5070
125	134	0,085	147	0,970	10	15	533-0125-5070
127	136	0,085	148	1,220	-	10 15	533-0127-5070
130	139	0,085	153	1,000	10	15	533-0130-5070
140	149	0,085	164	1,080	10 15	-	533-0140-5070
150	159	0,075	175	1,370	10 15	-	533-0150-5070
152	161	0,075	177	1,540	-	10 15	533-0152-5070
160	169	0,065	186	1,460	10 15	-	533-0160-5070
170	179	0,065	195	1,540	-	10 15	533-0170-5070
175	184	0,055	202	1,590	-	10 15	533-0175-5070
180	189	0,055	208	1,630	10	15	533-0180-5070
200	209	0,055	230	1,810	10 15	-	533-0200-5070



I.D.	O.D.	Rec. operating limits Vacuum	Bending Radius	Weight	Stock Lengths	Further Production Lengths	Order No.
mm	mm	bar	mm	kg/m	m	m	
203	212	0,055	233	2,030	-	10 15	533-0203-5070
225	234	0,040	257	2,030	10	15	533-0225-5070
250	259	0,020	285	2,250	10	15	533-0250-5070
254	263	0,020	290	2,290	-	10 15	533-0254-5070
275	284	0,020	312	2,470	-	10	533-0275-5070
280	289	0,020	318	2,510	10	-	533-0280-5070
300	309	0,020	340	2,690	10	-	533-0300-5070
305	314	0,020	345	2,730	-	10	533-0305-5070
315	324	0,020	356	2,820	10	-	533-0315-5070
325	334	0,015	367	2,910	-	10	533-0325-5070
350	359	0,015	395	3,130	10	-	533-0350-5070
375	384	0,010	424	3,770	-	10	533-0375-5070
400	409	0,010	450	4,020	10	-	533-0400-5070

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



NORCLAMP 212

13.6.0



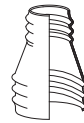
NORCLAMP 217

13.7.0



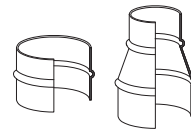
NORCLAMP 213

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NORCONNECT 223

13.18.0



NORCONNECT 270-271