

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

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

- for high flow-rates of extremely abrasive solids such as sand, gravel, grain, refuse glass and chips
- for gaseous and liquid media
- for silo vehicles
- as conveying hose in glassworks, docks, steelworks, quarries, shipyards, cementworks etc.

Properties

- super-heavy model
- extremely abrasion-proof with reinforcement underneath wire and narrow hose pitch (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
- very high pressure, vacuum and compression resistance

- high axial strength
- 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
- vacuum-proof
- 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 ester-polyurethane (Pre-PUR®)
3. wall thickness 2.0 - 2.5 mm approx.
4. reinforcement of the primary abrasion areas

Delivery variants

- cut lengths and special lengths
- transparent (standard)
- special colours: full coloured
- customer-specific product marking
- wall: „bioplastic“ derived from renewable raw materials
- as a pre-assembled hose system with NORCONNECT connectors
- customised connectors


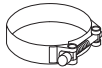
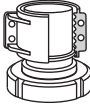



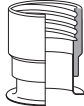
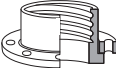


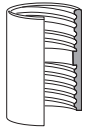

I.D. mm	O.D. mm	Rec. operating limits		Bending Radius mm	Weight kg/m	Stock Lengths m	Further Production Lengths m	Order No.
		Overpressure bar	Vacuum bar					
32	43	5,150	1,000	116	0,680	10 15	-	356-0032-0000
38	49	4,380	1,000	132	0,790	10 15	-	356-0038-0000
40	51	4,170	1,000	138	0,820	10 15	-	356-0040-0000
45	56	3,750	1,000	151	0,910	10	15 20	356-0045-0000
50	61	3,650	1,000	165	1,000	10 15	-	356-0050-0000
51	62	3,600	1,000	167	1,020	-	10 15	356-0051-0000
55	66	3,420	1,000	178	1,090	10	15	356-0055-0000
60	71	3,150	1,000	192	1,180	10 15	-	356-0060-0000
63	74	3,000	1,000	200	1,230	-	10 15	356-0063-0000
65	76	2,910	1,000	205	1,270	10	15	356-0065-0000
70	82	2,710	1,000	221	1,370	10	15	356-0070-0000
75	87	2,540	1,000	235	1,460	10 15	-	356-0075-0000
76	88	2,500	1,000	238	1,470	-	10 15	356-0076-0000
80	92	2,380	1,000	249	1,550	10 15	-	356-0080-0000
90	103	2,120	1,000	309	2,060	10	15	356-0090-0000
100	113	1,910	1,000	339	2,270	10 15	-	356-0100-0000
102	115	1,880	1,000	345	2,310	10	15	356-0102-0000
110	123	1,740	0,985	369	2,480	10	15	356-0110-0000
115	128	1,670	0,960	384	2,580	10	15	356-0115-0000
120	133	1,600	0,935	399	2,690	10	15	356-0120-0000
125	138	1,540	0,900	414	2,800	10 15	-	356-0125-0000
127	140	1,510	0,890	420	2,840	10 15	-	356-0127-0000
130	143	1,480	0,865	429	2,900	-	10 15	356-0130-0000
140	153	1,375	0,840	459	3,110	10	15	356-0140-0000
150	163	1,280	0,840	489	3,680	10	15	356-0150-0000
152	165	1,270	0,835	495	3,720	10 15	-	356-0152-0000



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	173	1,210	0,805	519	3,910	10	15	356-0160-0000
170	183	1,135	0,780	640	4,150	-	10 15	356-0170-0000
175	188	1,105	0,755	658	4,260	10	15	356-0175-0000
180	193	1,070	0,740	676	4,380	-	10 15	356-0180-0000
200	214	0,970	0,660	835	4,860	10	15	356-0200-0000
225	239	0,860	0,565	932	5,450	10	-	356-0225-0000
250	264	0,780	0,410	1450	7,350	10	-	356-0250-0000
275	289	0,705	0,275	1590	8,070	-	10	356-0275-0000
300	314	0,650	0,215	1725	8,780	10	-	356-0300-0000

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

13.2.0  NORCLAMP 216	13.4.0  NORCLAMP 211	13.7.6  NORCONNECT 231	13.7.7  NORCONNECT 232	13.8.0  NORCONNECT 240 + 241
13.9.0  NORCONNECT 242	13.10.0  NORCONNECT 243	13.11.0  NORCONNECT 244	13.12.0  NORCONNECT 245	13.12.2  NORCONNECT 245 CSH
13.13.0  NORCONNECT 246	13.13.5  NORCONNECT 248			