

Abrasion-proof and microbe/ hydrolysis resistant suction and transport hose (FDA); Super-heavy, smooth interior, vacuum-proof

Applications: 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, steel-works, quarries, shipyards, cementworks etc.
- for the food and pharmaceutical industry

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

- 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

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 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“ material derived from renewable raw materials without food applicability
- as a pre-assembled hose system with NORCONNECT connectors
- customised connectors

I.D.	O.D.	Rec. operating limits		Bending Radius	Weight	Stock Lengths	Further Production Lengths		Order No.
		Overpressure	Vacuum				m		
mm	mm	bar	bar	mm	kg/m	m	m		
32	43	4,895	1,000	116	0,680	10	15		356-0032-1001
38	49	4,160	1,000	132	0,790	10	15		356-0038-1001
40	51	3,960	1,000	138	0,820	10	15		356-0040-1001
45	56	3,545	1,000	151	0,910	-	10 15		356-0045-1001
50	61	3,425	1,000	165	1,000	10	15		356-0050-1001
51	62	3,450	1,000	168	1,020	-	10 15		356-0051-1001
55	66	3,250	1,000	178	1,090	-	10 15		356-0055-1001
60	71	2,995	1,000	192	1,180	10	15		356-0060-1001
63	74	2,830	1,000	200	1,230	-	10 15		356-0063-1001
65	76	2,765	1,000	205	1,270	10	15		356-0065-1001
70	82	2,575	1,000	221	1,370	10	15		356-0070-1001
75	87	2,415	1,000	235	1,460	-	10 15		356-0075-1001
76	88	2,380	1,000	238	1,480	-	10 15		356-0076-1001
80	92	2,260	1,000	249	1,550	10	15		356-0080-1001
90	103	2,015	0,900	309	2,060	10	15		356-0090-1001
100	113	1,815	0,900	339	2,270	10	15		356-0100-1001
102	115	1,785	0,900	345	2,310	-	10 15		356-0102-1001
110	123	1,655	0,885	369	2,480	-	10 15		356-0110-1001
115	128	1,585	0,865	384	2,580	-	10 15		356-0115-1001
120	133	1,520	0,840	399	2,690	-	10 15		356-0120-1001
125	138	1,465	0,810	414	2,800	10	15		356-0125-1001
127	140	1,435	0,800	420	2,840	-	10 15		356-0127-1001
130	143	1,405	0,780	429	2,900	-	10 15		356-0130-1001
140	153	1,305	0,755	459	3,110	-	10 15		356-0140-1001



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	
150	163	1,215	0,755	489	3,680	10	15	356-0150-1001
152	165	1,205	0,750	495	3,720	-	10 15	356-0152-1001
160	173	1,150	0,725	519	3,910	-	10 15	356-0160-1001
170	183	1,080	0,700	640	4,150	-	10 15	356-0170-1001
175	188	1,050	0,680	658	4,260	-	10 15	356-0175-1001
180	193	1,015	0,665	676	4,380	-	10 15	356-0180-1001
200	214	0,920	0,595	835	4,860	-	10 15	356-0200-1001
225	239	0,815	0,510	932	5,450	-	10	356-0225-1001
250	264	0,740	0,365	1450	7,350	-	10	356-0250-1001
275	289	0,670	0,250	1590	8,070	-	10	356-0275-1001
300	314	0,620	0,195	1725	8,780	-	10	356-0300-1001

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.

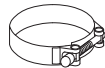
Accessories

13.2.0



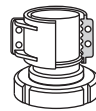
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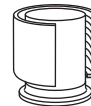
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NORCONNECT 231

13.7.7



NORCONNECT 232

13.8.0



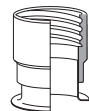
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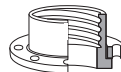
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NORCONNECT 243

13.11.0



NORCONNECT 244

13.12.5



NORCONNECT INOX 245

13.12.6



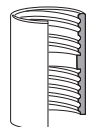
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NORCONNECT INOX 249

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NORCONNECT 246