

Abrasion-proof and antistatic suction and transport hose; PUR <math>< 10^9 \Omega</math> + stainless steel, super-heavy, smooth interior

Applications: Abrasion-proof and antistatic suction and transport hose

- for transporting inflammable bulk materials and in areas liable to contain explosive mixtures (explosion protection)
- 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

- according to TRBS 2153, the wall is permanently capable of electrostatic discharge owing to the non-migrating antistatic material: electrical and surface resistance <math>< 10^9 \Omega</math>, recommended for transporting inflammable bulk materials
- smooth interior
- optimized flow properties
- flexible with low weight

- very high pressure, vacuum and compression resistance
- high tensile strength and tear resistant
- food grade wall, complies with: EU Directive 2002/72/EC, incl. the latest Amending Directive 975/2009/EC
- approved by an independent testing laboratory for the complete hose acc. to EU Directive 2002/72/EC, incl. amending Directive 2007/19/EC
- odourless and tasteless
- 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

Temperature Range

- -40 °C approx. to +90 °C approx.

Design, material

- AIRDUC® profile hose
1. spring steel wire spiral embedded in wall spiral: stainless steel wire (INOX)
 2. profile with optimised flow properties wall: permanently antistatic 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)
- 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					
mm	mm	bar	bar	mm	kg/m	m	m	
32	43	5,150	1,000	116	0,680	10	-	356-0032-1018
38	49	4,380	1,000	132	0,790	-	10	356-0038-1018
40	51	4,170	1,000	138	0,820	10	-	356-0040-1018
45	56	3,750	1,000	151	0,910	-	10	356-0045-1018
50	61	3,650	1,000	165	1,000	10	-	356-0050-1018
60	71	3,150	1,000	192	1,180	10	-	356-0060-1018
65	76	2,910	1,000	205	1,270	10	-	356-0065-1018
70	82	2,710	1,000	221	1,370	10	-	356-0070-1018
75	87	2,540	1,000	235	1,460	-	10	356-0075-1018
80	92	2,380	1,000	249	1,550	10	-	356-0080-1018
90	103	2,120	1,000	309	2,060	-	10	356-0090-1018
100	113	1,910	1,000	345	2,270	10	-	356-0100-1018

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.



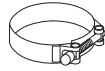
Accessories

13.2.0



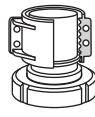
NORCLAMP 216

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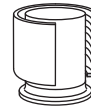
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NORCONNECT 231

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NORCONNECT 232

13.8.0



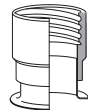
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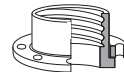
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NORCONNECT 243

13.11.0



NORCONNECT 244

13.12.0



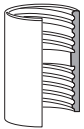
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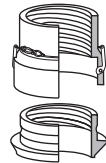
NORCONNECT 245 CSH

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NORCONNECT 246

13.13.5



NORCONNECT 248