

Abrasion-proof and electrically conductive suction and transport hose; PUR <math>< 10^3 \Omega</math>, heavy, smooth interior

Applications: Abrasion-proof and electrically conductive suction and transport hose, especially suitable:

- 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 German TRBS 2153 electrically conductive wall: Electrical and surface resistance <math>< 10^3 \Omega</math>, recommended for transporting inflammable bulk materials
- 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
- conforms to the requirements of the European ATEX Directive
- conform to RoHS guideline

Temperature Range

- -40 °C approx. to +90 °C approx.

Design, material

AIRDUC® profile hose

1. spring steel wire firmly embedded in wall
2. profile with optimised flow properties
wall: electrically conductive 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
- black (standard)
- customer-specific product marking
- wall: microbe and hydrolysis resistant and electrically conductive premium ether-polyurethane (Pre-PUR®)
- 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	4,380	1,000	116	0,680	-	10 15	356-0032-1003
38	49	3,725	1,000	132	0,790	10	15	356-0038-1003
40	51	3,545	1,000	138	0,820	10	15	356-0040-1003
45	56	3,190	1,000	151	0,910	-	10 15	356-0045-1003
50	61	3,170	1,000	165	1,000	10	15	356-0050-1003
55	66	2,905	1,000	178	1,090	-	10 15	356-0055-1003
60	71	2,680	1,000	192	1,180	10	15	356-0060-1003
65	76	2,475	1,000	205	1,270	-	10 15	356-0065-1003
70	82	2,305	1,000	221	1,370	10	15	356-0070-1003
75	87	2,160	1,000	235	1,460	-	10 15	356-0075-1003
80	92	2,025	1,000	249	1,550	10	15	356-0080-1003
90	103	1,800	1,000	309	2,060	-	10 15	356-0090-1003
100	113	1,625	0,930	339	2,270	10	15	356-0100-1003
102	115	1,600	0,930	345	2,310	-	10	356-0102-1003
110	123	1,480	0,915	369	2,480	-	10	356-0110-1003
115	128	1,420	0,893	384	2,580	-	10	356-0115-1003
120	133	1,360	0,870	399	2,690	-	10	356-0120-1003
125	138	1,310	0,835	414	2,800	-	10	356-0125-1003
127	140	1,285	0,825	420	2,840	-	10	356-0127-1003
130	143	1,260	0,805	429	2,900	-	10	356-0130-1003
140	153	1,170	0,780	459	3,110	-	10	356-0140-1003
150	163	1,090	0,780	489	3,680	-	10	356-0150-1003
152	165	1,080	0,775	495	3,720	-	10	356-0152-1003
160	173	1,030	0,750	519	3,910	-	10	356-0160-1003
170	183	0,965	0,725	640	4,150	-	10	356-0170-1003
175	188	0,940	0,705	658	4,260	-	10	356-0175-1003



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	
180	193	0,910	0,685	676	4,380	-	10	356-0180-1003
200	214	0,825	0,615	835	4,860	-	10	356-0200-1003
225	239	0,730	0,525	932	5,450	-	10	356-0225-1003
250	264	0,665	0,380	1450	7,350	-	10	356-0250-1003
275	289	0,600	0,255	1590	8,070	-	10	356-0275-1003
300	314	0,555	0,200	1725	8,780	-	10	356-0300-1003

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.

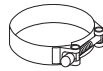
Accessories

13.2.0



NORCLAMP 216

13.4.0



NORCLAMP 211

13.8.0



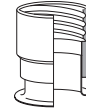
NORCONNECT 240 + 241

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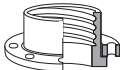
NORCONNECT 242

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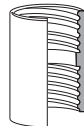
NORCONNECT 243

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NORCONNECT 244

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NORCONNECT 246