

### 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

- for transporting inflammable bulk materials and in areas liable to contain explosive mixtures (explosion protection)
- for high flow-rates of abrasive solids such as powder, chips and granulates
- for gaseous and liquid media
- for industrial vacuum cleaners, granulate conveying systems, printing machines, blowers and compressors

#### Properties

- according to German TRBS 2153 electrically conductive wall: Electrical and surface resistance <math>< 10^3 \Omega</math>, recommended for transporting inflammable bulk materials
- 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 with low weight
- increased pressure and vacuum resistance
- 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 spiral embedded in wall
2. profile with optimised flow properties  
wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
3. wall thickness 1.4 mm approx.

#### 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					
20	27	3,485	0,930	27	0,230	-	10 15	355-0020-1003
22	29	3,325	0,930	29	0,250	-	10 15	355-0022-1003
25	32	3,105	0,930	32	0,280	10	15	355-0025-1003
26	33	3,060	0,930	33	0,290	-	10 15	355-0026-1003
30	40	2,935	0,910	40	0,470	-	10 15	355-0030-1003
32	42	2,770	0,905	42	0,470	10	15	355-0032-1003
33	43	2,695	0,900	43	0,490	-	10 15	355-0033-1003
35	45	2,645	0,900	45	0,510	-	10 15	355-0035-1003
38	48	2,620	0,885	48	0,550	10	15	355-0038-1003
40	50	2,595	0,880	50	0,570	10 15	-	355-0040-1003
42	52	2,475	0,875	52	0,600	-	10 15	355-0042-1003
45	55	2,320	0,875	55	0,640	-	10 15	355-0045-1003
50	60	2,085	0,865	60	0,710	10 15	-	355-0050-1003
55	65	1,915	0,820	65	0,770	-	10 15	355-0055-1003
60	70	1,750	0,755	70	0,830	10 15	-	355-0060-1003
65	75	1,625	0,700	75	0,890	-	10 15	355-0065-1003
70	81	1,515	0,625	97	1,010	10 15	-	355-0070-1003
75	86	1,410	0,575	103	1,070	10	15	355-0075-1003
80	91	1,325	0,520	109	1,140	10	15	355-0080-1003
90	101	1,105	0,395	121	1,270	10	15	355-0090-1003
100	111	1,065	0,365	133	1,410	10 15	-	355-0100-1003
102	113	1,040	0,365	136	1,450	-	10 15	355-0102-1003
110	121	0,970	0,335	145	1,540	10	15	355-0110-1003
115	126	0,925	0,310	151	1,610	-	10 15	355-0115-1003
120	131	0,895	0,290	157	1,670	-	10 15	355-0120-1003
125	136	0,860	0,275	163	1,740	10	15	355-0125-1003



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	
127	138	0,840	0,270	166	1,780	-	10 15	355-0127-1003
130	141	0,820	0,250	169	1,860	-	10 15	355-0130-1003
140	151	0,765	0,225	181	1,940	-	10 15	355-0140-1003
150	161	0,715	0,185	193	2,290	10	15	355-0150-1003
152	163	0,700	0,180	196	2,340	-	10 15	355-0152-1003
160	171	0,665	0,170	205	2,400	-	10 15	355-0160-1003
170	181	0,630	0,155	217	2,520	-	10 15	355-0170-1003
175	186	0,610	0,145	223	2,580	-	10 15	355-0175-1003
180	191	0,595	0,140	229	2,650	-	10 15	355-0180-1003
203	216	0,530	0,123	260	2,850	10	15	355-0203-1003
225	238	0,475	0,105	286	3,100	-	10 15	355-0225-1003
250	263	0,435	0,080	316	3,500	-	10 15	355-0250-1003
275	288	0,390	0,075	346	3,840	-	10	355-0275-1003
280	293	0,385	0,070	352	3,950	-	10	355-0280-1003
300	313	0,355	0,065	376	4,320	-	10	355-0300-1003
315	328	0,345	0,060	394	4,640	10	-	355-0315-1003
320	333	0,335	0,060	400	4,890	-	10	355-0320-1003
325	338	0,325	0,060	406	5,000	-	10	355-0325-1003
350	363	0,305	0,050	436	5,410	-	10	355-0350-1003
375	388	0,290	0,050	466	6,250	-	10	355-0375-1003
400	413	0,270	0,045	496	7,270	-	10	355-0400-1003
450	463	0,240	0,030	556	8,250	-	10	355-0450-1003
500	514	0,215	0,025	617	9,500	-	10	355-0500-1003

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](http://www.norres.com).

## Accessories

13.1.0



NORCLAMP 212

13.2.0



NORCLAMP 216

13.5.0



NORCLAMP 212 EC

13.6.0



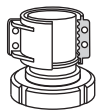
NORCLAMP 217

13.7.0



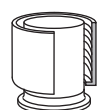
NORCLAMP 213

13.7.6



NORCONNECT 231

13.7.7



NORCONNECT 232

13.8.0



NORCONNECT 240 + 241

13.9.0



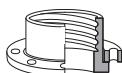
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13.10.0



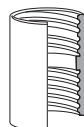
NORCONNECT 243

13.11.0



NORCONNECT 244

13.13.0



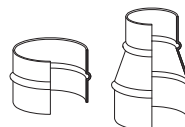
NORCONNECT 246

13.14.0



NORCONNECT 223

13.18.0



NORCONNECT 270-271