

Abrasion-proof suction and transport hose (FDA); Super-heavy, smooth interior and exterior, vacuum-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, steel-works, quarries, shipyards, cementworks etc.
- for the food and pharmaceutical industry

Properties

- super-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 and exterior
- optimized flow properties
- flexible
- 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, material

BARDUC® design

1. spring steel wire spiral embedded in wall spiral: stainless steel wire (INOX)
2. smooth interior and exterior wall: special premium ether-polyurethane (Pre-PUR®)
3. wall thickness 4 to 6 mm approx., depending on diameter

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

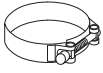
I.D.	O.D.	Rec. operating limits		Bending Radius	Weight	Stock Lengths	Further Production Lengths	Order No.
		Overpressure	Vacuum					
mm	mm	bar	bar	mm	kg/m	m	m	
32	40	5,500	1,000	160	0,450	10	-	382-0032-0000
38	46	5,500	1,000	190	0,590	10	-	382-0038-0000
40	48	5,500	1,000	200	0,650	10	-	382-0040-0000
42	50	5,500	1,000	210	0,740	-	10	382-0042-0000
50	58	5,000	1,000	250	0,960	10	-	382-0050-0000
60	68	5,000	1,000	300	1,120	10	-	382-0060-0000
63	71	5,000	1,000	315	1,180	-	10	382-0063-0000
65	73	5,000	1,000	325	1,210	10	-	382-0065-0000
70	78	5,000	1,000	350	1,290	10	-	382-0070-0000
75	83	5,000	1,000	375	1,380	-	10	382-0075-0000
76	84	5,000	1,000	380	1,410	10	-	382-0076-0000
80	88	4,000	0,900	400	1,460	10	-	382-0080-0000
100	110	4,000	0,800	550	1,800	10	-	382-0100-0000
102	112	4,000	0,800	561	1,850	-	10	382-0102-0000
125	135	3,000	0,605	688	2,220	-	10	382-0125-0000
127	137	3,000	0,605	699	2,270	-	10	382-0127-0000
150	160	2,000	0,385	825	2,640	-	10	382-0150-0000
152	162	2,000	0,385	836	2,690	-	10	382-0152-0000

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

13.4.0



NORCLAMP 211