

Abrasion-proof and microbe/ hydrolysis resistant suction and blast hose; Super-light, highly flexible + compressible 5:1, Ø up to 1000 mm

Applications: Abrasion-proof suction and blast hose, especially suitable:

- for abrasive solids such as dust, powder, fibres and chips
- for gaseous media such as vapors and smoke
- for fodder transport

Properties

- highly flexible + compressible 5:1
- 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)
- high tensile strength and tear resistant
- abrasion protection via external clamp profile
- firm clamping of the wall in clamp profile

- 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
- 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
- conform to RoHS guideline

Temperature Range

- -40 °C approx. to +90 °C approx.
- short time to +125 °C approx.

Design, material

patented CP design

1. clamp profile supporting spiral: galvanised steel
2. wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants

- cut lengths and special lengths
- transparent (standard)
- special colours: full coloured
- stainless steel (INOX) clamp profile
- double-layer
- customized designs with special clamp profile supporting spiral pitch and wall materials
- wall: „bioplastic“ material derived from renewable raw materials without UL approval

I.D. mm	O.D. mm	Rec. operating limits		Bending Radius mm	Weight kg/m	Production Lengths m	Order No.
		Overpressure bar	Vacuum bar				
50	62	0,280	0,270	50	0,660	6	455-0050-0000
55	67	0,255	0,250	54	0,720	6	455-0055-0000
60	72	0,235	0,220	58	0,770	6	455-0060-0000
65	77	0,215	0,200	62	0,830	6	455-0065-0000
70	82	0,200	0,180	66	0,890	6	455-0070-0000
75	87	0,190	0,160	70	0,950	6	455-0075-0000
80	92	0,175	0,140	74	1,010	6	455-0080-0000
90	102	0,155	0,100	82	1,130	6	455-0090-0000
100	112	0,140	0,085	90	1,070	6	455-0100-0000
110	122	0,130	0,075	98	1,170	3 6	455-0110-0000
115	127	0,125	0,070	102	1,220	3 6	455-0115-0000
120	132	0,120	0,065	106	1,270	3 6	455-0120-0000
125	137	0,110	0,060	110	1,320	3 6	455-0125-0000
130	142	0,110	0,055	114	1,370	3 6	455-0130-0000
140	152	0,100	0,040	122	1,470	3 6	455-0140-0000
150	162	0,095	0,035	130	1,630	3 6	455-0150-0000
160	172	0,090	0,030	138	1,740	3 6	455-0160-0000
170	182	0,080	0,030	146	1,840	3 6	455-0170-0000
175	187	0,080	0,030	150	1,890	3 6	455-0175-0000
180	192	0,080	0,025	154	1,950	3 6	455-0180-0000
200	212	0,070	0,020	170	2,150	3 6	455-0200-0000
215	227	0,065	0,020	182	2,310	3 6	455-0215-0000
225	237	0,060	0,020	190	2,420	3 6	455-0225-0000
250	262	0,055	0,015	210	2,680	3 6	455-0250-0000
275	287	0,050	0,015	230	2,940	3 6	455-0275-0000
300	312	0,045	0,010	250	3,200	3 6	455-0300-0000
315	327	0,045	0,010	262	3,360	3 6	455-0315-0000
325	337	0,045	0,010	269	3,460	3 6	455-0325-0000
350	362	0,040	0,010	290	3,720	3 6	455-0350-0000
375	387	0,040	0,010	310	3,990	3 6	455-0375-0000



I.D.	O.D.	Rec. operating limits		Bending Radius	Weight	Production Lengths	Order No.
		Overpressure	Vacuum				
mm	mm	bar	bar	mm	kg/m	m	
400	412	0,035	0,005	330	4,250	3 6	455-0400-0000
450	462	0,030	0,005	370	4,770	3 6	455-0450-0000
500	512	0,030	0,005	410	5,290	3 6	455-0500-0000
600	612	0,025	0,005	490	6,340	3 6	455-0600-0000
700	712	0,020	0,002	570	7,380	3 6	455-0700-0000
750	762	0,020	0,001	610	7,910	3 6	455-0750-0000
800	812	0,020	0,001	650	8,430	3 6	455-0800-0000
900	912	0,015	0,001	730	9,480	3 6	455-0900-0000
1000	1012	0,015	0,001	810	10,540	3 6	455-1000-0000

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

13.1.0



NORCLAMP 212

13.6.0



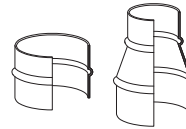
NORCLAMP 217

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NORCLAMP 213

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NORCONNECT 270-271