

Antistatic polyurethane hose for the woodworking industry, heavy, flame-retardant

Applications

- extraction unit, dedusting system, filter system, oil mist extraction
- explosion hazard area
- wood dust extraction, wood chips: furniture production, saw mill
- wood dust extraction: vertical panel saw, saw, woodworking machine, edge processing machine, parquet flooring grinding machine

Properties

- heavy duty
- highly abrasion resistant
- increased pressure and vacuum resistance
- microbe resistant
- good resistance to oil, gasoline and chemicals
- flame-retardant according to: DIN 4102-B1

- permanently antistatic wall: electrical and surface resistance <math><10^9 \Omega</math>
- in accordance with ATEX 2014/34/EU and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- conforms to the safety regulations of the German Wood Trade Association
- according to DIN 26057 Type 2
- conforms to RoHS guideline

Temperature Range

- -40°C to 90°C
- short time to 125°C

Design, Material

AIRDUC® profile hose

1. spring steel wire firmly embedded in wall
2. wall: permanently antistatic premium polyurethane (Pre-PUR®), resistant to aggressive wood types and wood preservatives
3. wall thickness 0,7 mm approx.

Delivery variants

- further diameters and lengths available on request
- transparent + partially silver coloured (standard)
- special colours: partially coloured, completely coloured
- customer-specific branding

I.D. in / mm	O.D. mm	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
- / 40	48	0,420	32	0,350	5 10	15	533-0040-0000
1,75 / 44-45	53	0,385	35	0,380	5 10	15	533-0045-0000
2 / 50-51	58	0,365	38	0,420	5 10 15	-	533-0050-0000
2,36 / 60	68	0,285	44	0,490	5 10	15	533-0060-0000
2,5 / 63-65	73	0,255	47	0,530	5 10	15	533-0065-0000
- / 70	79	0,210	50	0,560	5 10	15	533-0070-0000
3 / 75-76	84	0,195	53	0,600	5 10	15	533-0075-0000
- / 80	89	0,175	56	0,630	5 10 15	-	533-0080-0000
3,5 / 89-90	99	0,155	62	0,710	5 10	15	533-0090-0000
4 / 100-102	109	0,120	68	0,780	5 10 15	-	533-0100-0000
- / 110	119	0,110	74	0,860	5 10	15	533-0110-0000
4,5 / 114-115	124	0,105	77	1,110	-	5 10 15	533-0115-0000
4,72 / 120	129	0,105	80	0,930	5 10 15	-	533-0120-0000
5 / 125-127	134	0,085	83	0,970	5 10	15	533-0125-0000
- / 130	139	0,085	86	1,000	5 10	15	533-0130-0000
5,5 / 140	149	0,085	92	1,080	5 10 15	-	533-0140-0000
6 / 150-152	159	0,075	98	1,370	5 10 15	-	533-0150-0000
6,3 / 160	169	0,065	104	1,460	5 10 15	-	533-0160-0000
6,5 / 165	174	0,065	106	1,500	-	5 10 15	533-0165-0000
- / 170	179	0,065	108	1,540	-	5 10 15	533-0170-0000
- / 175	184	0,060	113	1,585	-	5 10 15	533-0175-0000
7 / 178-180	189	0,055	116	1,630	5 10	15	533-0180-0000
8 / 200-203	209	0,055	128	1,810	5 10 15	-	533-0200-0000

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. Additional technical data at www.norres.com. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.



I.D. in / mm	O.D. mm	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
- / 225	234	0,040	143	2,030	5 10	15	533-0225-0000
9 / 228-229	237	0,040	148	2,055	-	5 10 15	533-0228-0000
- / 250	259	0,020	158	2,250	5 10	15	533-0250-0000
10 / 254	263	0,020	160	2,285	-	5 10 15	533-0254-0000
- / 275	284	0,020	173	2,465	-	5 10	533-0275-0000
11 / 280	289	0,020	176	2,510	5 10	-	533-0280-0000
- / 300	309	0,020	188	2,690	5 10	-	533-0300-0000
12 / 305	314	0,020	191	2,735	-	5 10	533-0305-0000
- / 315	324	0,020	197	2,820	5 10	-	533-0315-0000
- / 325	334	0,015	203	2,910	-	5 10	533-0325-0000
13 / 330	339	0,015	206	2,955	-	5 10	533-0330-0000
- / 350	359	0,015	218	3,130	5 10	-	533-0350-0000
14 / 356	365	0,015	222	3,235	-	5 10	533-0356-0000
- / 400	409	0,010	248	4,020	5 10	-	533-0400-0000
16 / 405-406	415	0,005	25	4,075	-	5 10	533-0406-0000

Accessories



CLAMP 212



CLAMP 217



CLAMP 213



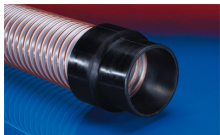
CONNECT 228



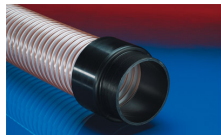
CONNECT MOULD
ASSEMBLY 233



CONNECT THREAD
FITTING 234



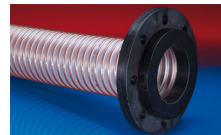
CONNECT 240 + 241



CONNECT 242



CONNECT 243



CONNECT 244



CONNECT 245



CONNECT 246



CONNECT 223



CONNECT 270-271

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. Additional technical data at www.norres.com. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.