

## Antistatic polyurethane hose for the woodworking industry, heavy, flame-resistant

### 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: according to ISO 8031 electrical and surface resistance  $<10^9 \Omega$  (according to TRGS 727  $<2,5 \cdot 10^9 \Omega \cdot m$  and NFPA 652  $10^8$ - $10^9 \Omega$ )
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: 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
- REACH according to --> Technology / Technical Information / REACH

### Temperature Range

- -40 °C to 90 °C
- short time to 125 °C

### Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium polyurethane (Pre-PUR®), resistant to aggressive wood types and wood preservatives
- 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.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
- / 40	48.00	1,555	0,470	32.00	0.31	<b>10 15</b>	5	533-0040-0000
1,75 / 44-45	53.00	1,390	0,420	35.00	0.35	<b>10 15</b>	5	533-0045-0000
2 / 50-51	58.00	1,250	0,380	38.00	0.39	<b>10 15</b>	5	533-0050-0000
2,36 / 60	68.00	1,050	0,315	44.00	0.45	<b>10 15</b>	5	533-0060-0000
2,5 / 63-65	73.00	0,970	0,290	47.00	0.49	<b>10 15</b>	5	533-0065-0000
- / 70	79.00	0,900	0,185	50.00	0.52	<b>10 15</b>	5	533-0070-0000
3 / 75-76	84.00	0,840	0,175	53.00	0.55	<b>10 15</b>	5	533-0075-0000
- / 80	89.00	0,790	0,160	56.00	0.59	<b>10 15</b>	5	533-0080-0000
3,5 / 89-90	99.00	0,705	0,145	62.00	0.66	<b>10 15</b>	5	533-0090-0000
4 / 100-102	109.00	0,635	0,135	68.00	0.86	<b>5 10 15</b>	20	533-0100-0000
- / 110	119.00	0,575	0,125	74.00	0.94	<b>10 15</b>	5	533-0110-0000
4,72 / 120	129.00	0,530	0,115	80.00	1.02	<b>10 15</b>	5	533-0120-0000
5 / 125-127	134.00	0,510	0,110	83.00	1.07	<b>10 15</b>	5	533-0125-0000
- / 130	139.00	0,490	0,105	86.00	1.10	<b>10 15</b>	5	533-0130-0000
5,5 / 140	149.00	0,455	0,095	92.00	1.18	<b>10 15</b>	5	533-0140-0000
6 / 150-152	159.00	0,425	0,075	98.00	1.30	<b>10 15</b>	5	533-0150-0000

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. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/).

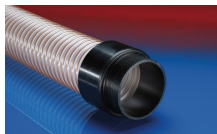


I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
6,3 / 160	169.00	0,400	0,070	104.00	1.38	<b>10 15</b>	5	533-0160-0000
- / 170	179.00	0,375	0,065	108.00	1.45	<b>10</b>	-	533-0170-0000
7 / 178-180	189.00	0,355	0,060	116.00	1.54	<b>10 15</b>	5	533-0180-0000
8 / 200-203	209.00	0,320	0,055	128.00	1.73	<b>5 10 15</b>	-	533-0200-0000
- / 225	234.00	0,285	0,050	143.00	1.92	<b>10</b>	5	533-0225-0000
- / 250	259.00	0,255	0,045	158.00	2.13	<b>5 10 15</b>	-	533-0250-0000
11 / 280	289.00	0,230	0,040	176.00	2.38	<b>10</b>	5	533-0280-0000
- / 300	309.00	0,215	0,035	188.00	2.55	<b>10</b>	5	533-0300-0000
- / 315	324.00	0,205	0,035	197.00	2.68	<b>10</b>	5	533-0315-0000
- / 325	334.00	0,195	0,035	203.00	2.76	<b>10</b>	5	533-0325-0000
- / 350	359.00	0,185	0,030	218.00	2.97	<b>10</b>	5	533-0350-0000
- / 400	409.00	0,160	0,030	248.00	3.83	<b>10</b>	5	533-0400-0000

## Accessories



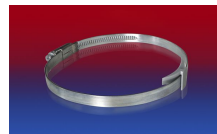
CLAMP 212



CONNECT 242



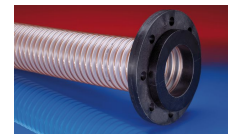
CONNECT 243



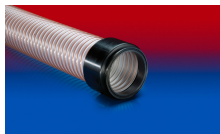
CLAMP 210 BRIDGE CLAMP



CLAMP 213



CONNECT 244



CONNECT 245



CONNECT 223



CONNECT 228



CONNECT 240 + 241 AS



CLAMP 217



CONNECT THREAD FITTING 234



CONNECT 246 AS



CONNECT 270-271



CONNECT MOULD ASSEMBLY 233

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. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/).