



Antistatic polyurethane hose, heavy, grounding wire

Application

- flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases
- vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system
- plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine
- explosion hazard area
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
- silos, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silos, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder
- wood pellet heating system: conveying of wood pellets

Properties

- heavy duty
- highly abrasion resistant

- increased pressure and vacuum resistance
- good resistance to chemicals
- phthalate-free
- grounding wire for discharging of electrostatic charging
- electrical and surface resistance of the inliner <math><10^9</math>
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases)
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- 20 °C to 70 °C
- short time to 80 °C

Design

- NORPLAST® full plastic hose
- hard plastic spiral integrated in wall
- spiral: rigid PVC
- smooth interior
- Wall: antistatic polyurethane inside layer 0,7mm - 1,0 mm approx., exterior soft PVC
- grounding wire

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colours: coloured spiral, full coloured
- customer-specific branding

I.D. (in / mm)	outer Ø (mm)	Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/m)	Dimensions in Stock (m)	Production Lengths (m)	Order No.
Standard Version								
1,25 / 32	39.00	5,000	0,700	165.40	0.45	-	15 30	386-0032-0000
1,5 / 38	46.00	5,000	0,700	195.70	0.59	15 30	-	386-0038-0000
- / 40	48.80	5,000	0,700	205.00	0.62	15 20 30	-	386-0040-0000
1,75 / 44-45	53.00	5,000	0,700	228.30	0.75	15 30	-	386-0045-0000
2 / 50-51	59.00	5,000	0,700	254.00	0.88	15 20 30	-	386-0050-0000
2,36 / 60	69.00	5,000	0,700	300.60	1.06	15 20 30	-	386-0060-0000
2,5 / 63-65	72.00	5,000	0,700	314.60	1.13	15 30	-	386-0063-0000
- / 70	79.00	5,000	0,700	347.20	1.28	15 30	-	386-0070-0000
3 / 75-76	85.00	5,000	0,700	375.10	1.46	15 30	-	386-0076-0000
- / 80	90.00	4,000	0,700	396.10	1.63	15 30	-	386-0080-0000
3,5 / 89-90	100.00	4,000	0,700	442.70	1.94	15 30	-	386-0090-0000
4 / 100-102	112.00	4,000	0,700	498.60	2.31	15 30	-	386-0102-0000

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/

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)	
special type - conveying of seed and fertilizers: seeding machine, seed drill, drilling machine; UV stabilized; smooth exterior; smaller bending radius; spiral: grey RAL 7037; without grounding wire; permanently antistatic wall: in accordance with IS								
- / 30	37.00	5,000	0,700	155.30	0.41	30	-	386-0030-4726
1,25 / 32	39.00	5,000	0,700	165.40	0.45	30	-	386-0032-4726
special type - plastic industry: vacuum hopper, suction conveyor, dosing system, bulk-bag -charging and discharging, shredder, mill, extruder, injection moulding machine; UV stabilized; spiral: grey RAL 7037; not for conveying combustible dusts								
1,5 / 38	46.00	5,000	0,700	195.70	0.60	30	-	386-0038-6194
- / 40	48.80	5,000	0,700	205.00	0.62	30	-	386-0040-6194
1,75 / 44-45	53.00	5,000	0,700	228.30	0.77	30	-	386-0045-6194
2 / 50-51	59.00	5,000	0,700	254.00	0.83	30	-	386-0050-6194
2,36 / 60	69.00	5,000	0,700	300.60	1.25	30	-	386-0060-6194
2,5 / 63-65	72.00	5,000	0,700	314.60	1.34	30	-	386-0065-6194

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Accessories



CONNECT STORZ
DIN ALU 251



CONNECT KARDAN
254



CLAMP 211



CONNECT 270-271



CONNECT KAMLOK
ALU 253



CONNECT MOULD
ASSEMBLY 233

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