

ATEX/ESD

TURBOFLEX®/U.L./OHM

Conductive abrasion-resistant hose — sandblasting workhorse with 60 mm³ abrasion value



Abrasion-resistant and highly flexible suction and pressure hose with a notch- and wear-resistant inner wall, designed as a working hose for blasting media, gravel and mud. The inner tube in NR (natural rubber) has an abrasion value of only 60 mm³ per ISO 4649 — the highest class of wear resistance. The outer cover in NR/SBR blend is ozone- and abrasion-resistant. Conductive components on both core and outer cover. Classic rubber hose construction with textile plies and a steel spiral.

R: $10^6 \Omega$

Temp: -35 °C to 80 °C

✓ Cut to length

APPLICATIONS

- Sandblasting and abrasive media conveyance (glass beads, corundum, slag)
- Roof gravelling and roof gravel removal
- Fertiliser and grain pneumatic conveying
- Pneumatic conveyance of abrasive media under pressure
- Industrial sweeping and collection of blasting residues
- Mud and sludge transport on construction and mining sites

Technical specifications

Material	Inner tube: NR (natural rubber). Outer cover: NR/SBR blend
Colour	Black (core and outer cover)
Wall construction	Smooth interior, shallow corrugated outer cover, textile plies + steel spiral
Spiral material	steel spiral with textile plies
Temperature range	-35 °C – 80 °C
Short-term peak	80 °C
Electrical resistance	<10 ⁶ Ω
Cut to length	Yes
Manufacturer SKU	3508

Standards and compliance

en-iso-1307, iso-4649, REACH, RoHS

Dimensions and ordering

The hose is supplied in 6 standard sizes from inner Ø 51.0 mm to 152.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Burst [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
51	62	5.5	5	15	0.9	130	20	1.31	20	3508050000
63	75	6	5	15	0.9	160	20	1.8	20	3508063000
76	88	6	5	15	0.9	190	20	2.13	20	3508075000
102	115	6.5	5	15	0.9	255	20	3.07	20	3508100000
127	144	8.5	5	15	0.9	380	20	5.11	20	3508125000
152	169	8.5	5	15	0.9	460	20	6.04	20	3508150000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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