

ABRASION-RESISTANT

SILOFLAT/DISCHARGE

Conductive pressureless silo discharge hose for cement and abrasive bulk media



SILOFLAT/DISCHARGE is the specialised pressureless silo discharge hose in larger dimensions (ID 152-305 mm) with conductive inner lining (below 10^6 ohm) and antistatic outer coating (below 10^9 ohm). The hose is specifically designed for large silo discharge stations where dust explosion risk from cement, lime powder and bulk powder flow requires ATEX-related electrical discharge. Wear resistance confirmed with abrasion value 70 mm³ per ISO 4649 - better than standard SILOFLAT's 100 mm³. 3 bar working pressure and 9 bar burst pressure provide moderate-pressure discharge margin.

R: $<10^6 \Omega$

Temp: -30 °C to 85 °C

✓ Cut to length

APPLICATIONS

- Cement discharge from large construction site silos
- Bulk powder discharge in chemical production
- Feed and raw material distribution at industrial farms
- Tunnel cement discharge in infrastructure projects
- Powder handling where ATEX zone 22 is required
- Large silo discharge stations with dust explosion risk

Technical specifications

Material	NR (natural rubber) inner, SBR/NR outer, textile plies
Colour	black
Wall construction	Smooth NR inner (conductive), wrapped SBR/NR outer (antistatic), textile plies reinforcement
Spiral material	Tekstil-plies
Temperature range	-30 °C – 85 °C
Short-term peak	85 °C
Electrical resistance	<10 ⁶ Ω
Cut to length	Yes
Manufacturer SKU	3546

Standards and compliance

ISO 4649 (abrasion test), ISO 8031 (electrical resistance), EN ISO 1307:2008, REACH, RoHS

Dimensions and ordering

The hose is supplied in 4 standard sizes from inner Ø 152.0 mm to 305.0 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]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
152	166	7	3	9	20	4.19	20	3546152166
203	217	7	3	9	20	5.64	20	3546203217
254	270	8	3	9	20	7.62	20	3546254270
305	323	9	3	9	10	10.4	10	3546305323

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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