

ATEX/ESD · 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)

TIMBERDUC PUR 533 AS (MD)

Highly abrasion-resistant suction and pressure hose with increased pressure and vacuum resistance



TIMBERDUC PUR 533 AS is the robust industrial version with increased pressure and vacuum resistance compared to the 531/532 series. Antistatic PUR wall, intended for demanding industrial woodworking applications where abrasion resistance and pressure tolerance are decisive.

R: $<10^9 \Omega$

ATEX: Zone 0/1/2 + 20/21/22

Media: Dust, Gas, Granulate

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Chip and dust extraction from CNC milling, sawing and grinding in the wood industry
- Extraction of combustible wood dust in ATEX zone 22
- Connection between machine and filter system
- Pneumatic conveyance of powder, granulate and chips
- Air supply to tools and extraction arms
- Ventilation and air change in timber kilns and laboratories
- Steam soaking and powder management in industrial processes

Technical specifications

Material	Polyurethane (PUR), permanently antistatic
Colour	transparent / black
Wall construction	PUR wall with embedded spring-steel reinforcement
Spiral material	Spring-steel wire
Conveying media	Dust, Gas, Granulate
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Electrical resistance	<10 ⁹ Ω
ATEX classification	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) ATEX 2014/34/EU (1999/92/EC) + TRGS 727
Cut to length	Yes
Manufacturer SKU	5332173

Standards and compliance

ATEX 2014/34/EU, TRGS 727, DIN 4102-B1 (fire), DIN 26057, ISO 8031 (electrical resistance), REACH, RoHS

Dimensions and ordering

The hose is supplied in 2 standard sizes from inner Ø 100.0 mm to 104.0 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]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Article no.
100	98	16	1.2	53301002173
104	100	15	1.24	53301042173

Fields without a value (em-dash) 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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