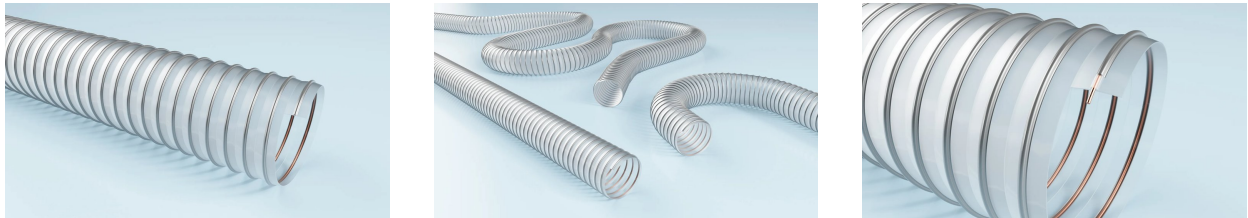


ATEX/ESD · in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases)

## TIMBERDUC PUR 532 AS (LD)

Highly flexible suction and pressure hose for the wood industry (LD = light duty)



TIMBERDUC PUR 532 AS (LD) is the light-duty variant with extra robustness compared to XLD. Antistatic PUR wall with spiral reinforcement, ideal for daily chip and dust extraction in the wood industry.

**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

<b>Material</b>	Polyurethane (PUR), permanently antistatic
<b>Colour</b>	transparent / black
<b>Wall construction</b>	PUR wall with embedded spring-steel reinforcement
<b>Spiral material</b>	Spring-steel wire
<b>Conveying media</b>	Dust, Gas, Granulate
<b>Temperature range</b>	-40 °C – 90 °C
<b>Short-term peak</b>	125 °C
<b>Electrical resistance</b>	$<10^9 \Omega$
<b>ATEX classification</b>	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
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	5320000

### Standards and compliance

ATEX 2014/34/EU, TRGS 727, din-4102-b1, din-26057, iso-8031, REACH, RoHS

## Dimensions and ordering

The hose is supplied in 28 standard sizes from inner Ø 40.0 mm to 400.0 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]	Wall th. [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
40	0.6	1.02	0.335	27	25	0.26	10, 15	53200400000
45	0.6	0.91	0.3	30	25	0.29	10, 15	53200450000
50.5	0.6	0.82	0.22	33	25	0.37	10, 15	53200500000
55	0.6	0.755	0.2	36	25	0.4	10, 15	53200550000
60	0.6	0.685	0.18	38	25	0.43	10, 15	53200600000
64.5	0.6	0.635	0.165	41	25	0.46	10, 15	53200650000
70	0.6	0.59	0.155	43	25	0.5	10, 15	53200700000
75.6	0.6	0.55	0.145	46	25	0.53	10, 15	53200750000
80	0.6	0.515	0.135	48	25	0.57	5, 10, 15	53200800000
90	0.6	0.46	0.12	53	25	0.63	10, 15	53200900000
101.5	0.6	0.415	0.08	58	25	0.67	5, 10, 15	53201000000
110	0.6	0.375	0.07	63	25	0.73	10, 15	53201100000
120	0.6	0.345	0.065	68	25	0.79	5, 10, 15	53201200000
126.5	0.6	0.335	0.065	71	25	0.83	5, 10, 15	53201250000
130	0.6	0.32	0.06	73	25	0.85	10, 15	53201300000
140	0.6	0.295	0.055	78	25	0.92	10, 15	53201400000
151.5	0.6	0.275	0.055	83	20	0.99	5, 10, 15	53201500000
160	0.6	0.26	0.05	88	20	1.04	10, 15	53201600000
180	0.6	0.23	0.045	98	20	1.17	10, 15	53201800000
202.3	0.6	0.21	0.03	108	15	1.54	5, 10, 15	53202000000
225	0.6	0.185	0.025	121	15	1.47	10, 15	53202250000
250	0.6	0.165	0.025	133	15	1.63	5, 10, 15	53202500000
260	0.6	-	-	-	15	1.7	-	53202600000
280	0.6	0.15	0.02	148	15	1.82	10	53202800000
300	0.6	0.14	0.02	159	10	2.13	10	53203000000
315	0.6	0.135	0.02	167	10	2.23	10	53203150000
350	0.6	0.12	0.02	184	10	2.48	10	53203500000
400	0.6	0.105	0.015	209	10	2.83	10	53204000000

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.

## Other Particulair microsities

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We build specialised microsities for critical industries. Each site provides in-depth product data, documentation and expert guidance for the domain it covers.

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<a href="https://particulair.eu/vace">particulair.eu/vace</a>	Nozzles and accessories for critical environments
<a href="https://particulair.eu/life-science">particulair.eu/life-science</a>	Vacuums for pharma and cleanroom
<a href="https://particulair.eu/hardo">particulair.eu/hardo</a>	Explosion-protected electrical Ex-equipment

## Contact and advisory

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**Product page:** [particulair.eu/flexcore/en/atex-esd/timberduc-pur-532-as-ld/](https://particulair.eu/flexcore/en/atex-esd/timberduc-pur-532-as-ld/)

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