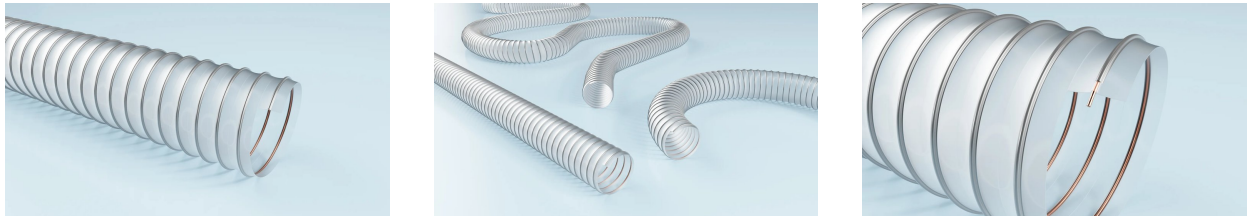


ATEX/ESD · in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases)

## TIMBERDUC PUR 531 AS (XLD)

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



TIMBERDUC PUR 531 AS (XLD) is a highly flexible extra-light-duty suction and pressure hose in polyurethane with spring-steel reinforcement. Antistatic (wall resistance  $<10^9 \Omega$ ), fire-retardant DIN 4102-B1 and ATEX-suitable for zone 22 (dust inside) and zones 1+2 (gases).

**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 <sup>9</sup> Ω   |
| <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)<br>ATEX 2014/34/EU (1999/92/EC) + TRGS 727 |
| <b>Cut to length</b>         | Yes  |
| <b>Manufacturer SKU</b>      | 5310000  |

### 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 31 standard sizes from inner Ø 50.5 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] | Article no. |
|--------------|---------------|------------------|--------------------|----------------|--------------|---------------|-------------|
| 50.5         | 0.4           | 0.48             | 0.17               | 33             | 20           | 0.28          | 53100500000 |
| 60           | 0.4           | 0.405            | 0.145              | 38             | 20           | 0.33          | 53100600000 |
| 64.5         | 0.4           | 0.37             | 0.13               | 40             | 20           | 0.35          | 53100650000 |
| 70           | 0.4           | 0.345            | 0.125              | 43             | 20           | 0.38          | 53100700000 |
| 75.6         | 0.4           | 0.325            | 0.115              | 45             | 20           | 0.41          | 53100750000 |
| 80           | 0.4           | 0.305            | 0.11               | 48             | 20           | 0.43          | 53100800000 |
| 83           | 0.4           | -                | -                  | -              | 20           | 0.44          | 53100830000 |
| 90           | 0.4           | 0.27             | 0.095              | 53             | 20           | 0.48          | 53100900000 |
| 101.5        | 0.4           | 0.245            | 0.055              | 58             | 20           | 0.49          | 53101000000 |
| 110          | 0.4           | 0.22             | 0.05               | 63             | 20           | 0.53          | 53101100000 |
| 115          | 0.4           | 0.21             | 0.05               | 66             | 20           | 0.56          | 53101150000 |
| 120          | 0.4           | 0.205            | 0.045              | 68             | 20           | 0.58          | 53101200000 |
| 122          | 0.4           | -                | -                  | -              | 20           | 0.59          | 53101220000 |
| 126.5        | 0.4           | 0.195            | 0.045              | 71             | 20           | 0.61          | 53101250000 |
| 130          | 0.4           | 0.185            | 0.04               | 73             | 20           | 0.63          | 53101300000 |
| 140          | 0.4           | 0.175            | 0.04               | 78             | 20           | 0.67          | 53101400000 |
| 151.5        | 0.4           | 0.16             | 0.035              | 83             | 15           | 0.73          | 53101500000 |
| 153          | 0.4           | -                | -                  | -              | 15           | 0.73          | 53101530000 |
| 160          | 0.4           | 0.15             | 0.035              | 88             | 15           | 0.77          | 53101600000 |
| 180          | 0.4           | 0.135            | 0.03               | 98             | 15           | 0.86          | 53101800000 |
| 202.3        | 0.4           | 0.12             | 0.025              | 108            | 15           | 1.04          | 53102000000 |
| 204          | 0.4           | -                | -                  | -              | 15           | 1.07          | 53102040000 |
| 225          | 0.4           | 0.11             | 0.02               | 122            | 15           | 1.18          | 53102250000 |
| 250          | 0.4           | 0.1              | 0.02               | 136            | 15           | 1.31          | 53102500000 |
| 254          | 0.4           | 0.1              | 0.02               | 138            | 15           | 1.33          | 53102540000 |
| 280          | 0.4           | 0.085            | 0.02               | 149            | 15           | 1.46          | 53102800000 |
| 300          | 0.4           | 0.08             | 0.015              | 159            | 10           | 1.74          | 53103000000 |
| 305          | 0.4           | 0.08             | 0.015              | 162            | 10           | 1.77          | 53103050000 |
| 315          | 0.4           | 0.075            | 0.015              | 167.5          | 10           | 1.82          | 53103150000 |
| 350          | 0.4           | 0.07             | 0.015              | 185            | 10           | 2.02          | 53103500000 |
| 400          | 0.4           | 0.06             | 0.015              | 210            | 10           | 2.31          | 53104000000 |

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.

|   |   |
|---|---|
| <a href="https://particulair.eu/ex-vac">particulair.eu/ex-vac</a>             | ATEX and ACD vacuum cleaners for explosion hazard zones |
| <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-531-as-xld/](https://particulair.eu/flexcore/en/atex-esd/timberduc-pur-531-as-xld/)

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### SMARTER THINKING • BETTER WORKING

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