



Master-PUR H Trivolution

Article Master No.: 000063

PU Suction hose & Transport Hose, very flexible, antistatic, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



antistatic



microbe resistant



flame retardant



transparent



flexible



medium heavy



pressure resistant

Product Details

Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of pure material / made of specified material / addition of a non-migrating permanent antistatic agent / wall thickness between the spirals approx. 1.4 mm
- Material of the wall: Polyester Polyurethane
- Specifications of the wall: surface resistance $R_0 < 10^9$ Ohm, measured according to DIN EN ISO 8031 / material is more abrasion resistant than comparable polyurethane according to DIN ISO 4649 / flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: complies with DIN 26057 Type III / according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: microbe-resistant / halogen-free / good resistance to chemicals / good UV resistance / good resistance to oil / good resistance to petrol / good ozone resistance / plasticiser-free
- Flexibility: flexible
- Physical Properties: permanently antistatic
- Weight: medium heavy

- Pressure Resistance: pressure resistant
- Colour: transparent
- Other: high vacuum and good pressure resistance / configurable as a hose system with digital interface for compatibility with the AMPIUS® app

Operating Temperature

- Temperature Range: -40 to 90 °C
- short-term maximum temperature: peaks to 125 °C

Delivery Information

- Delivery, type of production: various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock

Application Areas

- Areas of application: Agriculture / Automotive / Plant & Mechanical Engineering / Robotics & Automation / Industry / Semiconductor Industry / Aerospace technology / Ventilation & Air-conditioning / Energy Technology / Bulk & Construction / Wood / Chemistry / Food & Pharma / Waste Disposal & Cleaning Technology / Plastics / Conveying, lifting & feeding technology / Textile / Printing & Paper / Metal & Toolmaking

Customizing Options

- optional item modification (on request): other colours / other lengths / other nominal widths / with customer-specific imprint

Article Variants

| Extended Article Number | Article number | Nominal Size (DN) mm | Outer diameter mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Stock Lengths m | Length (standard lengths available for order) m |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------------|---|
| 000063:13:x | 000063 | 13 | 19 | 38 | 0.15 | 4.70 | 0.92 | 25.00 | 5 / 10 | 5 / 10 / 15 / 20 / 25 |
| 000063:16:x | 000063 | 16 | 22 | 40 | 0.20 | 4.50 | 0.92 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:20:x | 000063 | 20 | 26 | 43 | 0.22 | 4.30 | 0.92 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:25:x | 000063 | 25 | 32 | 46 | 0.28 | 4.19 | 0.92 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:26:x | 000063 | 26 | 33 | 47 | 0.29 | 4.16 | 0.92 | 25.00 | 5 / 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:30:x | 000063 | 30 | 39.2 | 51.3 | 0.32 | 3.25 | 0.92 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:32:x | 000063 | 32 | 41 | 60 | 0.39 | 3.25 | 0.92 | 25.00 | 5 / 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:38:x | 000063 | 38 | 47 | 69 | 0.46 | 3.12 | 0.82 | 25.00 | 5 / 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:40:x | 000063 | 40 | 49 | 72 | 0.49 | 3.00 | 0.82 | 25.00 | 5 / 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:45:x | 000063 | 45 | 55 | 80 | 0.55 | 2.95 | 0.81 | 25.00 | 5 / 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:50:x | 000063 | 50 | 60 | 86 | 0.66 | 2.82 | 0.82 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:51:x | 000063 | 51 | 61 | 87 | 0.71 | 2.90 | 0.82 | 25.00 | 5 / 10 / 15 / 20 / 25 | 5 / 10 / 15 / 20 / 25 |
| 000063:55:x | 000063 | 55 | 65 | 95 | 0.77 | 2.75 | 0.76 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:60:x | 000063 | 60 | 70 | 102 | 0.84 | 2.55 | 0.74 | 25.00 | 5 / 10 / 15 / 20 / 25 | 5 / 10 / 15 / 20 / 25 |

| Extended Article Number | Article number | NominalSize (DN) mm | Outer diameter mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Stock Lengths m | Length (standard lengths available for order) m |
|-------------------------|----------------|---------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|------------------|---|
| 000063:63:x | 000063 | 63 | 72.6 | 106 | 0.87 | 2.49 | 0.71 | 25.00 | 5 / 10 | 5 / 10 / 15 / 20 / 25 |
| 000063:65:x | 000063 | 65 | 75 | 112 | 0.91 | 2.40 | 0.66 | 25.00 | 5 / 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:70:x | 000063 | 70 | 80 | 117 | 0.97 | 2.25 | 0.66 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:76:x | 000063 | 76 | 87 | 126 | 1.06 | 2.00 | 0.59 | 25.00 | 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:80:x | 000063 | 80 | 91 | 132 | 1.11 | 2.00 | 0.59 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:90:x | 000063 | 90 | 101 | 149 | 1.25 | 1.65 | 0.52 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:100:x | 000063 | 100 | 110 | 163 | 1.43 | 1.54 | 0.45 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:102:x | 000063 | 102 | 112 | 165 | 1.48 | 1.50 | 0.44 | 25.00 | 5 / 10 / 15 / 20 | 5 / 10 / 15 / 20 / 25 |
| 000063:110:x | 000063 | 110 | 121 | 179 | 1.61 | 1.35 | 0.46 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:115:x | 000063 | 115 | 126 | 186 | 1.68 | 1.35 | 0.31 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:120:x | 000063 | 120 | 131 | 194 | 1.75 | 1.30 | 0.31 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:127:x | 000063 | 127 | 138 | 203 | 1.91 | 1.30 | 0.31 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:130:x | 000063 | 130 | 141 | 209 | 1.96 | 1.30 | 0.31 | 25.00 | 5 / 10 | 5 / 10 / 15 / 20 / 25 |
| 000063:140:x | 000063 | 140 | 151 | 224 | 2.11 | 1.05 | 0.26 | 25.00 | 5 / 10 | 5 / 10 / 15 / 20 / 25 |
| 000063:150:x | 000063 | 150 | 161 | 240 | 2.31 | 1.05 | 0.26 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:152:x | 000063 | 152 | 163 | 242 | 2.29 | 1.05 | 0.26 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:160:x | 000063 | 160 | 171 | 255 | 2.51 | 0.90 | 0.25 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:170:x | 000063 | 170 | 181 | 270 | 2.67 | 0.90 | 0.18 | 25.00 | 5 / 10 | 5 / 10 / 15 / 20 / 25 |
| 000063:175:x | 000063 | 175 | 186 | 278 | 2.74 | 0.90 | 0.18 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:180:x | 000063 | 180 | 191 | 285 | 2.82 | 0.75 | 0.18 | 25.00 | 5 / 10 | 5 / 10 / 15 / 20 / 25 |
| 000063:200:x | 000063 | 200 | 212 | 316 | 3.42 | 0.75 | 0.18 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:203:x | 000063 | 203 | 215 | 321 | 3.50 | 0.75 | 0.18 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:225:x | 000063 | 225 | 237 | 353 | 3.65 | 0.60 | 0.12 | 25.00 | 5 / 10 | 5 / 10 / 15 / 20 / 25 |
| 000063:250:x | 000063 | 250 | 263 | 390 | 3.91 | 0.60 | 0.12 | 25.00 | 5 / 10 / 15 | 5 / 10 / 15 / 20 / 25 |
| 000063:254:x | 000063 | 254 | 267 | 396 | 3.91 | 0.58 | 0.12 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:275:x | 000063 | 275 | 288 | 426 | 4.22 | 0.45 | 0.12 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:280:x | 000063 | 280 | 293 | 435 | 4.30 | 0.45 | 0.12 | 25.00 | / | 5 / 10 / 15 / 20 / 25 |
| 000063:300:x | 000063 | 300 | 313 | 465 | 4.94 | 0.45 | 0.12 | 20.00 | 5 / 10 | 5 / 10 / 15 / 20 |
| 000063:315:x | 000063 | 315 | 328 | 488 | 5.19 | 0.45 | 0.12 | 20.00 | / | 5 / 10 / 15 / 20 |
| 000063:325:x | 000063 | 325 | 338 | 503 | 5.35 | 0.45 | 0.12 | 20.00 | / | 5 / 10 / 15 / 20 |
| 000063:350:x | 000063 | 350 | 363 | 540 | 6.96 | 0.45 | 0.12 | 20.00 | / | 5 / 10 / 15 / 20 |
| 000063:375:x | 000063 | 375 | 388 | 580 | 7.45 | 0.30 | 0.07 | 20.00 | / | 5 / 10 / 15 / 20 |
| 000063:400:x | 000063 | 400 | 413 | 615 | 7.95 | 0.30 | 0.07 | 20.00 | / | 5 / 10 / 15 / 20 |
| 000063:450:x | 000063 | 450 | 463 | 690 | 8.94 | 0.30 | 0.07 | 20.00 | / | 5 / 10 / 15 / 20 |
| 000063:500:x | 000063 | 500 | 513 | 765 | 9.93 | 0.30 | 0.07 | 20.00 | / | 5 / 10 / 15 / 20 |

All data refer to a medium and ambient temperature of +20°C.
 Specification of the bending radius related to the inside of the hose bend
 Subject to technical changes and colour deviations

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

Suitable for the product



Master-Grip Hose Clamp, screwable
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Master-Grip Quick-Fix Clamp
Special clamp for fastening light and medium-weight, right-hand spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



Combiflex PU Screw Cuff EC
PU end fitting for Master-PUR L/H and Master-PVC L/H hoses, electrically conductive



Combiflex PU Threaded Sockets
PU threaded connector for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, based on DIN ISO 228

Individual consultation

We offer consultation by phone:
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Product requests via
[masterflex.de/en](https://www.masterflex.de/en)

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