

## Master-PUR L Bio Based

Article Master No.: 008258

PU suction hose / transport hose made of bio-based polyether polyurethane, lightweight, very good flexibility, hydrolysis and microbe resistant.



transparent



microbe resistant



hydrolysis resistant



moderately flexible



light



moderately pressure resistant

### Product Details

#### Construction / Material

- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of specified material, wall thickness between the spirals approx. 0.7 mm
- Material of the wall: Polyether Polyurethane from predominantly bio-based plastics (partly from biomass)

#### Properties

- Chemical Properties: good resistance to petrol, very good resistance to chemicals, good resistance to oil, good UV resistance, good ozone resistance, halogen-free, hydrolysis resistant, microbe-resistant
- Flexibility: moderately flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: transparent

#### Operating Temperature

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

## Delivery Information

### Application Areas

- Areas of application: Plant & Mechanical Engineering

### Customizing Options

- optional item modification (on request): other colours, other nominal widths, flame retardant

## 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 |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|-------------------------------------------------|
| 008258:40:x             | 008258         | 40                   | 48                | 48                 | 0.30        | 1.89                   | 0.46                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:50:x             | 008258         | 50                   | 57                | 58                 | 0.37        | 1.59                   | 0.39                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:51:x             | 008258         | 51                   | 58                | 58                 | 0.38        | 1.51                   | 0.36                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:60:x             | 008258         | 60                   | 68                | 68                 | 0.50        | 1.26                   | 0.31                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:63:x             | 008258         | 63                   | 71                | 71                 | 0.52        | 1.20                   | 0.28                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:65:x             | 008258         | 65                   | 73                | 73                 | 0.54        | 1.13                   | 0.26                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:70:x             | 008258         | 70                   | 78                | 78                 | 0.58        | 1.01                   | 0.26                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:75:x             | 008258         | 75                   | 83                | 84                 | 0.61        | 1.01                   | 0.21                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:76:x             | 008258         | 76                   | 85                | 85                 | 0.62        | 0.94                   | 0.21                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:80:x             | 008258         | 80                   | 88                | 88                 | 0.65        | 0.88                   | 0.21                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:90:x             | 008258         | 90                   | 99                | 99                 | 0.80        | 0.76                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:100:x            | 008258         | 100                  | 108               | 110                | 0.94        | 0.76                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:102:x            | 008258         | 102                  | 111               | 111                | 0.95        | 0.71                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:110:x            | 008258         | 110                  | 119               | 119                | 0.97        | 0.63                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:115:x            | 008258         | 115                  | 124               | 124                | 0.98        | 0.63                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:120:x            | 008258         | 120                  | 129               | 129                | 1.00        | 0.63                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:125:x            | 008258         | 125                  | 134               | 135                | 1.07        | 0.63                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:127:x            | 008258         | 127                  | 137               | 137                | 1.08        | 0.59                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:130:x            | 008258         | 130                  | 139               | 139                | 1.14        | 0.50                   | 0.15                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:140:x            | 008258         | 140                  | 149               | 149                | 1.21        | 0.50                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:150:x            | 008258         | 150                  | 159               | 161                | 1.27        | 0.50                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:152:x            | 008258         | 152                  | 162               | 162                | 1.30        | 0.50                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:160:x            | 008258         | 160                  | 169               | 170                | 1.42        | 0.50                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:170:x            | 008258         | 170                  | 179               | 180                | 1.56        | 0.38                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:175:x            | 008258         | 175                  | 184               | 185                | 1.63        | 0.38                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:180:x            | 008258         | 180                  | 189               | 190                | 1.70        | 0.38                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:200:x            | 008258         | 200                  | 210               | 210                | 1.98        | 0.38                   | 0.10                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:203:x            | 008258         | 203                  | 213               | 213                | 2.00        | 0.36                   | 0.09                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:225:x            | 008258         | 225                  | 235               | 235                | 2.18        | 0.25                   | 0.05                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:250:x            | 008258         | 250                  | 260               | 260                | 2.33        | 0.25                   | 0.05                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:254:x            | 008258         | 254                  | 264               | 264                | 2.36        | 0.25                   | 0.05                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:275:x            | 008258         | 275                  | 285               | 284                | 2.47        | 0.25                   | 0.05                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:280:x            | 008258         | 280                  | 290               | 290                | 2.60        | 0.25                   | 0.05                  | 25.00                    | /               | 5, 10, 15, 20                                   |
| 008258:300:x            | 008258         | 300                  | 310               | 310                | 3.20        | 0.23                   | 0.05                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 008258:315:x            | 008258         | 315                  | 325               | 325                | 3.32        | 0.23                   | 0.05                  | 20.00                    | /               | 5, 10, 15, 20                                   |

| 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 |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|-------------------------------------------------|
| 008258:325:x            | 008258         | 325                  | 335               | 335                | 3.40        | 0.23                   | 0.05                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 008258:350:x            | 008258         | 350                  | 360               | 360                | 3.60        | 0.12                   | 0.05                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 008258:400:x            | 008258         | 400                  | 411               | 410                | 4.45        | 0.12                   | 0.05                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 008258:450:x            | 008258         | 450                  | 461               | 460                | 5.06        | 0.12                   | 0.05                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 008258:500:x            | 008258         | 500                  | 511               | 510                | 5.70        | 0.12                   | 0.04                  | 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)).

## Possible Connection Elements



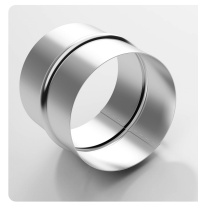
**Master-Grip Hose Clamp, screwable**  
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



**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 EL**  
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:  
**+49 209 97077-112**

Product requests via  
[masterflex.de/en](https://masterflex.de/en)

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