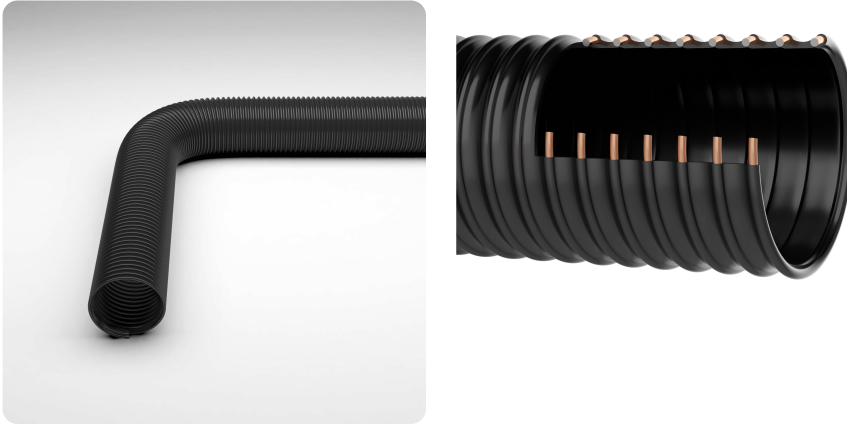




## Master-PUR HX EL

Article Master No.: 000159

PU Suction & Transport Hose, flexible, highly abrasion-proof and vacuum-proof, electroconductive



antistatic



electrically  
conductive



moderately  
flexible



heavy



very  
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 electrically conductive material, made of specified material, extra reinforced wear zones, wall thickness between the spirals approx. 2.0 mm
- Material of the wall: Polyester Polyurethane
- Specifications of the wall: surface resistance  $R_0 < 10^3 \text{ Ohm}$

#### Properties

- Specifications of the product: complies with DIN 26057, according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance
- Flexibility: moderately flexible
- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: black
- Other: high vacuum and peak pressure resistance

## Operating Temperature

- Temperature Range: -40 - 90
- 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: Surface Technology

## Customizing Options

- optional item modification (on request): 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 |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|-------------------------------------------------|
| 000159:32:x             | 000159         | 32                   | 42                | 80                 | 0.69        | 4.85                   | 0.94                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:38:x             | 000159         | 38                   | 48                | 95                 | 0.78        | 4.39                   | 0.94                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:40:x             | 000159         | 40                   | 50                | 100                | 0.81        | 4.27                   | 0.94                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:45:x             | 000159         | 45                   | 55                | 115                | 0.88        | 4.10                   | 0.94                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:51:x             | 000159         | 51                   | 61                | 125                | 0.95        | 4.00                   | 0.94                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:55:x             | 000159         | 55                   | 65                | 140                | 1.08        | 3.75                   | 0.89                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:60:x             | 000159         | 60                   | 70                | 150                | 1.20        | 3.60                   | 0.89                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:65:x             | 000159         | 65                   | 75                | 165                | 1.33        | 3.30                   | 0.89                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:70:x             | 000159         | 70                   | 80                | 175                | 1.49        | 3.15                   | 0.89                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:76:x             | 000159         | 76                   | 87                | 190                | 1.68        | 2.92                   | 0.89                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:80:x             | 000159         | 80                   | 93                | 200                | 1.85        | 2.77                   | 0.89                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:90:x             | 000159         | 90                   | 103               | 225                | 2.10        | 2.40                   | 0.89                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:102:x            | 000159         | 102                  | 115               | 250                | 2.32        | 2.10                   | 0.87                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:110:x            | 000159         | 110                  | 124               | 275                | 2.60        | 1.95                   | 0.87                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:115:x            | 000159         | 115                  | 129               | 290                | 2.73        | 1.80                   | 0.87                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:120:x            | 000159         | 120                  | 134               | 300                | 2.86        | 1.65                   | 0.87                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:127:x            | 000159         | 127                  | 140               | 315                | 3.01        | 1.65                   | 0.87                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:130:x            | 000159         | 130                  | 143               | 325                | 3.25        | 1.65                   | 0.84                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:140:x            | 000159         | 140                  | 153               | 350                | 3.66        | 1.50                   | 0.83                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:152:x            | 000159         | 152                  | 167               | 375                | 4.15        | 1.50                   | 0.82                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:160:x            | 000159         | 160                  | 175               | 400                | 4.55        | 1.35                   | 0.81                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:170:x            | 000159         | 170                  | 185               | 425                | 5.01        | 1.20                   | 0.80                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:180:x            | 000159         | 180                  | 195               | 450                | 5.52        | 1.20                   | 0.77                  | 20.00                    | /               | 5, 10, 15, 20                                   |
| 000159:203:x            | 000159         | 203                  | 220               | 500                | 6.06        | 1.05                   | 0.66                  | 15.00                    | /               | 5, 10, 15                                       |
| 000159:225:x            | 000159         | 225                  | 241               | 565                | 6.99        | 0.90                   | 0.58                  | 10.00                    | /               | 5, 10                                           |
| 000159:250:x            | 000159         | 250                  | 263               | 617                | 7.91        | 0.90                   | 0.52                  | 10.00                    | /               | 5, 10                                           |
| 000159:254:x            | 000159         | 254                  | 267               | 625                | 7.91        | 0.90                   | 0.51                  | 10.00                    | /               | 5, 10                                           |
| 000159:275:x            | 000159         | 275                  | 292               | 690                | 8.67        | 0.75                   | 0.47                  | 10.00                    | /               | 5, 10                                           |

| 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 |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|-------------------------------------------------|
| 000159:300:x            | 000159         | 300                  | 317               | 750                | 9.42        | 0.60                   | 0.42                  | 10.00                    | /               | 5, 10                                           |

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

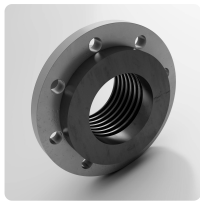
## Delivery Variants

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



### Combiflex PU Swivel Flange

screw-on plastic collar with loose flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



### Combiflex PU Cone Flange, screwable

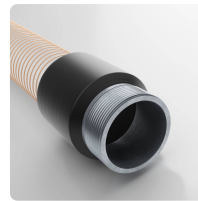
screw-on quick connector system for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, following DIN 3016



**Hose Clamp with Bolts**  
special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units

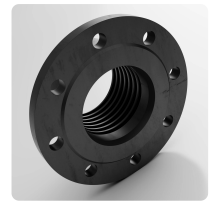


**Hose Clamp with Bolts, Steel quality W4, stainless steel 1.4301**  
Special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



### Combiflex Metal Threaded Sockets

Cast-on threaded connection with external thread according to DIN ISO 228



### Combiflex PU Fixed Flange

screw-on plastic flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges according to DIN 2632 / DIN 2633 / DIN 2673

### Individual consultation

We offer consultation by phone:  
+49 209 97077-112

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

### Address Headquarters

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