

## Master-PUR STEP MHR

Article Master No.: 000400

PU Film Hose, crush-resistant, microbe & hydrolysis-resistant



microbe resistant



transparent



crush-proof



very flexible



light



moderately pressure resistant

### Product Details

#### Construction / Material

- Type of construction: Film hose or fabric hose with attached support coil
- Execution of the wall: made of pure material, Wall thickness between the spirals approx. 0.6 mm
- Material of the wall: Polyether Polyurethane
- Design of the profile coil: Made of plastic as a special hose (strand) and inserted into the helix

#### Properties

- Chemical Properties: halogen-free, microbe-resistant, good resistance to chemicals, good UV resistance, good resistance to petrol, good resistance to oil, good ozone resistance, free of heavy metals, hydrolysis resistant
- Flexibility: very flexible
- Physical Properties: cold-resistant
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: Tube wall transparent with black spiral

#### 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: Sea & rail transport, Waste disposal & cleaning technology, Textile, Vehicle construction

## 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
000400:80:x	000400	80	100	80	0.72	0.80	0.31	25.00
000400:102:x	000400	102	120	100	0.88	0.70	0.28	25.00
000400:120:x	000400	120	140	120	1.05	0.63	0.23	25.00
000400:152:x	000400	152	170	150	1.30	0.50	0.17	25.00
000400:160:x	000400	160	180	160	1.39	0.45	0.15	25.00
000400:180:x	000400	180	200	180	1.56	0.40	0.11	25.00
000400:127:x	000400	127	143,4	127	1.23	0.54	0.18	25.00
000400:203:x	000400	203	220	200	1.72	0.30	0.07	25.00

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.

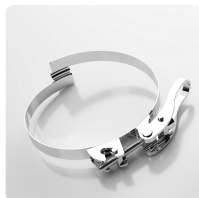
## Possible Connection Elements



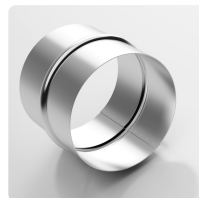
**Car-Grip Hose Clamp, screwable**  
special clamp for attaching Carflex Super and Master-PUR STEP hoses to mobile and stationary systems



**Car-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301**  
special clamp for attaching Carflex Super and Master-PUR STEP hoses to mobile and stationary systems



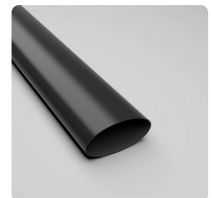
**Car-Grip Quick-Fix Clamp**  
Special clamp for attaching Carflex Super and Master-PUR STEP hoses to mobile and stationary installations



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



**Combiflex PU Cuff V**  
screw-on PU end fitting for Master-PUR hoses on spigots acc. to DIN 2448/DIN 2458, permanently antistatic



**Heat Shrink Cuff**  
Heat shrink sleeve for easy connection and sealing of hoses

### Individual consultation

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

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

### Address Headquarters

Masterflex SE  
Willy-Brandt-Allee 300  
45981 Gelsenkirchen

