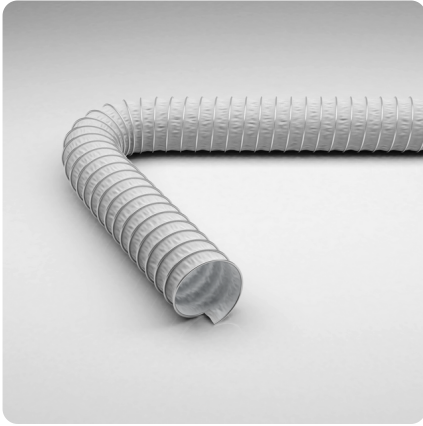


## Master-Clip ISO-SILICON

Article Master No.: 000293

Medium and high temperature hose for temperatures up to +300°C



hydrolysis  
resistant



microbe  
resistant



compressi  
ble



very  
flexible



light



moderatel  
y pressure  
resistant

### Product Details

#### Construction / Material

- Type of construction: Spiral hose with clamping profile
- Design of the helix: metal band, formed as a clamping profile
- Material of the helix: Steel strip, hot-dip galvanised
- Design of the external spiral: designed as an additional protective profile
- Execution of the wall: double-layered
- Specifications of the wall: flame retardant
- Design of the inner layer: heat-resistant impregnation
- Material of the inner layer: glass fabric
- Execution of the external layer: Coating in silicone
- Material of the outer layer: glass fabric

#### Properties

- Chemical Properties: good UV resistance, good ozone resistance
- Mechanical Properties: compressible approx. 1:4
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: silver grey

## Operating Temperature

- Temperature Range: -60 - 300
- short-term maximum temperature: peaks to 350 °C

## Delivery Information

- Delivery, type of production: Order-related production

## Application Areas

- Areas of application: Aerospace technology, Ventilation & air-conditioning, Sea & rail transport, Vehicle construction

## Customizing Options

- optional item modification (on request): other lengths, other nominal widths, other colours, other spiral distance, with stainless steel spiral

## Article Variants

| Extended Article Number | Article number | Nominal Size (DN)<br>mm | Bending radius*<br>mm | Weight<br>kg/m | Operating pressure<br>bar | Negative pressure<br>bar | Max. Production length<br>m |
|-------------------------|----------------|-------------------------|-----------------------|----------------|---------------------------|--------------------------|-----------------------------|
| 000293:100:x            | 000293         | 100                     | 60                    | 0.70           | 0.30                      | 0.09                     | 15.00                       |
| 000293:110:x            | 000293         | 110                     | 66                    | 0.80           | 0.26                      | 0.08                     | 15.00                       |
| 000293:120:x            | 000293         | 120                     | 72                    | 0.80           | 0.22                      | 0.07                     | 15.00                       |
| 000293:125:x            | 000293         | 125                     | 75                    | 0.90           | 0.21                      | 0.06                     | 15.00                       |
| 000293:130:x            | 000293         | 130                     | 78                    | 0.90           | 0.20                      | 0.06                     | 15.00                       |
| 000293:140:x            | 000293         | 140                     | 84                    | 0.90           | 0.18                      | 0.05                     | 15.00                       |
| 000293:150:x            | 000293         | 150                     | 90                    | 1.00           | 0.16                      | 0.04                     | 15.00                       |
| 000293:160:x            | 000293         | 160                     | 96                    | 1.00           | 0.14                      | 0.04                     | 15.00                       |
| 000293:170:x            | 000293         | 170                     | 102                   | 1.00           | 0.13                      | 0.03                     | 15.00                       |
| 000293:175:x            | 000293         | 175                     | 105                   | 1.10           | 0.12                      | 0.03                     | 15.00                       |
| 000293:180:x            | 000293         | 180                     | 108                   | 1.10           | 0.12                      | 0.03                     | 15.00                       |
| 000293:200:x            | 000293         | 200                     | 120                   | 1.30           | 0.10                      | 0.02                     | 15.00                       |
| 000293:215:x            | 000293         | 215                     | 151                   | 1.40           | 0.09                      | 0.02                     | 15.00                       |
| 000293:225:x            | 000293         | 225                     | 158                   | 1.60           | 0.08                      | 0.02                     | 15.00                       |
| 000293:250:x            | 000293         | 250                     | 175                   | 1.80           | 0.07                      | 0.02                     | 15.00                       |
| 000293:275:x            | 000293         | 275                     | 193                   | 2.10           | 0.06                      | 0.01                     | 15.00                       |
| 000293:300:x            | 000293         | 300                     | 210                   | 2.30           | 0.05                      | 0.01                     | 15.00                       |
| 000293:315:x            | 000293         | 315                     | 221                   | 2.30           | 0.05                      | 0.01                     | 15.00                       |
| 000293:325:x            | 000293         | 325                     | 228                   | 2.40           | 0.05                      | 0.01                     | 15.00                       |
| 000293:350:x            | 000293         | 350                     | 245                   | 2.80           | 0.04                      | 0.01                     | 15.00                       |
| 000293:375:x            | 000293         | 375                     | 263                   | 3.20           | 0.04                      | 0.01                     | 15.00                       |
| 000293:400:x            | 000293         | 400                     | 280                   | 3.40           | 0.03                      | 0.01                     | 15.00                       |
| 000293:450:x            | 000293         | 450                     | 360                   | 4.00           | 0.03                      | 0.01                     | 15.00                       |
| 000293:50:x             | 000293         | 50                      | 30                    | 0.50           | 0.85                      | 0.38                     | 15.00                       |
| 000293:500:x            | 000293         | 500                     | 400                   | 4.50           | 0.02                      | 0.01                     | 15.00                       |
| 000293:55:x             | 000293         | 55                      | 33                    | 0.50           | 0.78                      | 0.31                     | 15.00                       |
| 000293:550:x            | 000293         | 550                     | 440                   | 5.10           | 0.02                      | 0.01                     | 10.00                       |
| 000293:60:x             | 000293         | 60                      | 36                    | 0.60           | 0.68                      | 0.26                     | 15.00                       |

| Extended Article Number | Article number | Nominal Size (DN)<br>mm | Bending radius*<br>mm | Weight<br>kg/m | Operating pressure<br>bar | Negative pressure<br>bar | Max. Production length<br>m |
|-------------------------|----------------|-------------------------|-----------------------|----------------|---------------------------|--------------------------|-----------------------------|
| 000293:600:x            | 000293         | 600                     | 480                   | 5.60           | 0.02                      | 0.01                     | 10.00                       |
| 000293:65:x             | 000293         | 65                      | 39                    | 0.60           | 0.59                      | 0.22                     | 15.00                       |
| 000293:70:x             | 000293         | 70                      | 42                    | 0.60           | 0.53                      | 0.19                     | 15.00                       |
| 000293:700:x            | 000293         | 700                     | 560                   | 6.60           | 0.01                      | 0.01                     | 10.00                       |
| 000293:75:x             | 000293         | 75                      | 45                    | 0.70           | 0.47                      | 0.17                     | 15.00                       |
| 000293:80:x             | 000293         | 80                      | 48                    | 0.70           | 0.43                      | 0.15                     | 15.00                       |
| 000293:800:x            | 000293         | 800                     | 640                   | 7.60           | 0.01                      | 0.01                     | 10.00                       |
| 000293:90:x             | 000293         | 90                      | 54                    | 0.70           | 0.36                      | 0.12                     | 15.00                       |
| 000293:900:x            | 000293         | 900                     | 720                   | 8.60           | 0.01                      | 0.01                     | 10.00                       |

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



### Hose connector

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



### Hose Reducer, symmetrical

Hose reducer for extending, connecting and joining light to medium weight hoses



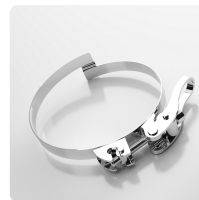
### Clip-Grip Hose Clamp, screwable

Screwable clamp for attaching all hose types from the Master-Clip series to mobile and stationary systems



### Clip-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301

screwable clamp for attaching all hose types from the Master-Clip series to mobile and stationary systems



### Clip-Grip Quick-Fix Clamp

Special clamp for attaching all hose types from the Master-Clip series to mobile and stationary units.

### Individual consultation

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

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

### Address Headquarters

Masterflex SE  
Willy-Brandt-Allee 300  
45981 Gelsenkirchen

