

# Master-Clip SILICON

Article Master No.: 000291

Mittel- und Hochtemperaturschlauch für Temperaturen bis +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: made of specified material, coated, coating in silicone, single layer executed
- Material of the wall: glass fibre fabric
- Specifications of the wall: flame retardant

### Properties

- Chemical Properties: good UV resistance, good ozone resistance
- Mechanical Properties: compressible approx. 1:6
- Flexibility: very flexible
- Physical Properties: heat-resistant
- 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, with stainless steel spiral

## Article Variants

| Extended Article Number | Article number | Nominal Size (DN) mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Length (standard lengths available for order) m |
|-------------------------|----------------|----------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-------------------------------------------------|
| 000291:40:x             | 000291         | 40                   | 24                 | 0.40        | 0.88                   | 0.37                  | 15.00                    | 3, 6, 10                                        |
| 000291:45:x             | 000291         | 45                   | 27                 | 0.40        | 0.87                   | 0.35                  | 15.00                    | 3, 6, 10                                        |
| 000291:50:x             | 000291         | 50                   | 30                 | 0.40        | 0.85                   | 0.31                  | 15.00                    | 3, 6, 10                                        |
| 000291:55:x             | 000291         | 55                   | 33                 | 0.40        | 0.78                   | 0.26                  | 15.00                    | 3, 6, 10                                        |
| 000291:60:x             | 000291         | 60                   | 36                 | 0.50        | 0.68                   | 0.22                  | 15.00                    | 3, 6, 10                                        |
| 000291:65:x             | 000291         | 65                   | 39                 | 0.50        | 0.59                   | 0.19                  | 15.00                    | 3, 6, 10                                        |
| 000291:70:x             | 000291         | 70                   | 42                 | 0.50        | 0.53                   | 0.16                  | 15.00                    | 3, 6, 10                                        |
| 000291:75:x             | 000291         | 75                   | 45                 | 0.60        | 0.47                   | 0.14                  | 15.00                    | 3, 6, 10                                        |
| 000291:80:x             | 000291         | 80                   | 48                 | 0.60        | 0.43                   | 0.12                  | 15.00                    | 3, 6, 10                                        |
| 000291:90:x             | 000291         | 90                   | 54                 | 0.60        | 0.36                   | 0.10                  | 15.00                    | 3, 6, 10                                        |
| 000291:100:x            | 000291         | 100                  | 60                 | 0.60        | 0.30                   | 0.08                  | 15.00                    | 3, 6, 10                                        |
| 000291:110:x            | 000291         | 110                  | 66                 | 0.70        | 0.26                   | 0.07                  | 15.00                    | 3, 6, 10                                        |
| 000291:120:x            | 000291         | 120                  | 72                 | 0.70        | 0.22                   | 0.06                  | 15.00                    | 3, 6, 10                                        |
| 000291:125:x            | 000291         | 125                  | 75                 | 0.80        | 0.21                   | 0.05                  | 15.00                    | 3, 6, 10                                        |
| 000291:130:x            | 000291         | 130                  | 78                 | 0.80        | 0.20                   | 0.05                  | 15.00                    | 3, 6, 10                                        |
| 000291:140:x            | 000291         | 140                  | 84                 | 0.80        | 0.18                   | 0.04                  | 15.00                    | 3, 6, 10                                        |
| 000291:150:x            | 000291         | 150                  | 90                 | 0.90        | 0.16                   | 0.04                  | 15.00                    | 3, 6, 10                                        |
| 000291:160:x            | 000291         | 160                  | 96                 | 0.90        | 0.14                   | 0.03                  | 15.00                    | 3, 6, 10                                        |
| 000291:170:x            | 000291         | 170                  | 102                | 0.90        | 0.13                   | 0.03                  | 15.00                    | 3, 6, 10                                        |
| 000291:175:x            | 000291         | 175                  | 105                | 1.00        | 0.12                   | 0.03                  | 15.00                    | 3, 6, 10                                        |
| 000291:180:x            | 000291         | 180                  | 108                | 1.00        | 0.12                   | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000291:200:x            | 000291         | 200                  | 120                | 1.20        | 0.10                   | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000291:215:x            | 000291         | 215                  | 151                | 1.30        | 0.09                   | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000291:225:x            | 000291         | 225                  | 158                | 1.40        | 0.08                   | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000291:250:x            | 000291         | 250                  | 175                | 1.60        | 0.07                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:275:x            | 000291         | 275                  | 193                | 1.90        | 0.06                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:300:x            | 000291         | 300                  | 210                | 2.10        | 0.05                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:315:x            | 000291         | 315                  | 221                | 2.10        | 0.05                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:325:x            | 000291         | 325                  | 228                | 2.20        | 0.05                   | 0.01                  | 15.00                    | 3, 6, 10                                        |

| Extended Article Number | Article number | Nominal Size (DN) mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Length (standard lengths available for order) m |
|-------------------------|----------------|----------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-------------------------------------------------|
| 000291:350:x            | 000291         | 350                  | 245                | 2.50        | 0.04                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:375:x            | 000291         | 375                  | 263                | 2.90        | 0.04                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:400:x            | 000291         | 400                  | 280                | 3.10        | 0.03                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:450:x            | 000291         | 450                  | 360                | 3.60        | 0.03                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:500:x            | 000291         | 500                  | 400                | 4.10        | 0.02                   | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000291:550:x            | 000291         | 550                  | 440                | 4.60        | 0.02                   | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000291:600:x            | 000291         | 600                  | 480                | 5.10        | 0.02                   | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000291:700:x            | 000291         | 700                  | 560                | 6.00        | 0.01                   | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000291:800:x            | 000291         | 800                  | 640                | 6.90        | 0.01                   | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000291:900:x            | 000291         | 900                  | 720                | 7.80        | 0.01                   | 0.01                  | 10.00                    | 3, 6, 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



### 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



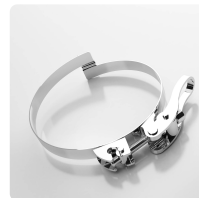
### Clip-Grip Hose Clamp, screwable

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

