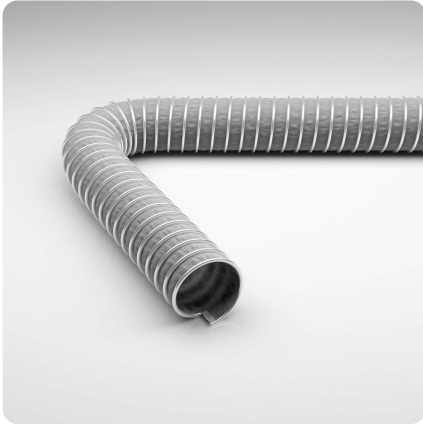


## Master-Clip HT 650

Article Master No.: 000309

Medium- and high temperature hose for temperatures up to 650 °C



flame  
retardant



microbe  
resistant



compressi-  
ble



hydrolysis  
resistant



temperatu-  
re-  
resistant



very  
flexible



medium  
heavy



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
- Design of the inner layer: reinforced by interwoven VA wire
- Material of the inner layer: high-temperature fabric
- Execution of the external layer: coating with heat stabilisers
- Material of the outer layer: high temperature fabric

#### Properties

- Chemical Properties: silicone-free
- Flexibility: very flexible
- Physical Properties: flame resistant
- Weight: medium heavy
- Pressure Resistance: moderately pressure resistant
- Colour: silver grey
- Other: increased vacuum resistance due to woven-in reinforcing components

## Operating Temperature

- Temperature Range: -20 - 650
- short-term maximum temperature: peaks to 750 °C

## Delivery Information

- Delivery, type of production: order-related production

## Application Areas

- Areas of application: Automotive, Plant & Mechanical Engineering, Industry, Aerospace technology, Ventilation & Air-conditioning, Printing & Paper, Metal & Toolmaking

## 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 |
|-------------------------|----------------|----------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-------------------------------------------------|
| 000309:50:x             | 000309         | 50                   | 30                 | 1.10        | on request             | 0.39                  | 15.00                    | 3, 6, 10                                        |
| 000309:55:x             | 000309         | 55                   | 33                 | 1.19        | on request             | 0.34                  | 15.00                    | 3, 6, 10                                        |
| 000309:60:x             | 000309         | 60                   | 36                 | 1.29        | on request             | 0.31                  | 15.00                    | 3, 6, 10                                        |
| 000309:65:x             | 000309         | 65                   | 39                 | 1.38        | on request             | 0.29                  | 15.00                    | 3, 6, 10                                        |
| 000309:70:x             | 000309         | 70                   | 42                 | 1.47        | on request             | 0.26                  | 15.00                    | 3, 6, 10                                        |
| 000309:75:x             | 000309         | 75                   | 45                 | 1.57        | on request             | 0.25                  | 15.00                    | 3, 6, 10                                        |
| 000309:80:x             | 000309         | 80                   | 48                 | 1.66        | on request             | 0.22                  | 15.00                    | 3, 6, 10                                        |
| 000309:90:x             | 000309         | 90                   | 54                 | 1.85        | on request             | 0.21                  | 15.00                    | 3, 6, 10                                        |
| 000309:100:x            | 000309         | 100                  | 60                 | 1.57        | on request             | 0.17                  | 15.00                    | 3, 6, 10                                        |
| 000309:110:x            | 000309         | 110                  | 66                 | 1.71        | on request             | 0.14                  | 15.00                    | 3, 6, 10                                        |
| 000309:120:x            | 000309         | 120                  | 72                 | 1.85        | on request             | 0.12                  | 15.00                    | 3, 6, 10                                        |
| 000309:125:x            | 000309         | 125                  | 75                 | 1.93        | on request             | 0.10                  | 15.00                    | 3, 6, 10                                        |
| 000309:130:x            | 000309         | 130                  | 78                 | 2.00        | on request             | 0.10                  | 15.00                    | 3, 6, 10                                        |
| 000309:140:x            | 000309         | 140                  | 84                 | 2.14        | on request             | 0.09                  | 15.00                    | 3, 6, 10                                        |
| 000309:150:x            | 000309         | 150                  | 90                 | 2.29        | on request             | 0.08                  | 15.00                    | 3, 6, 10                                        |
| 000309:160:x            | 000309         | 160                  | 96                 | 2.43        | on request             | 0.07                  | 15.00                    | 3, 6, 10                                        |
| 000309:170:x            | 000309         | 170                  | 102                | 2.57        | on request             | 0.06                  | 15.00                    | 3, 6, 10                                        |
| 000309:175:x            | 000309         | 175                  | 105                | 2.65        | on request             | 0.06                  | 15.00                    | 3, 6, 10                                        |
| 000309:180:x            | 000309         | 180                  | 108                | 2.72        | on request             | 0.05                  | 15.00                    | 3, 6, 10                                        |
| 000309:200:x            | 000309         | 200                  | 120                | 3.01        | on request             | 0.04                  | 15.00                    | 3, 6, 10                                        |
| 000309:215:x            | 000309         | 215                  | 151                | 3.22        | on request             | 0.04                  | 15.00                    | 3, 6, 10                                        |
| 000309:225:x            | 000309         | 225                  | 158                | 3.36        | on request             | 0.03                  | 15.00                    | 3, 6, 10                                        |
| 000309:250:x            | 000309         | 250                  | 175                | 3.72        | on request             | 0.03                  | 15.00                    | 3, 6, 10                                        |
| 000309:275:x            | 000309         | 275                  | 193                | 4.08        | on request             | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000309:300:x            | 000309         | 300                  | 210                | 4.44        | on request             | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000309:315:x            | 000309         | 315                  | 221                | 4.66        | on request             | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000309:325:x            | 000309         | 325                  | 228                | 4.80        | on request             | 0.02                  | 15.00                    | 3, 6, 10                                        |
| 000309:350:x            | 000309         | 350                  | 245                | 5.16        | on request             | 0.02                  | 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 |
|-------------------------|----------------|----------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-------------------------------------------------|
| 000309:375:x            | 000309         | 375                  | 263                | 5.55        | on request             | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000309:400:x            | 000309         | 400                  | 280                | 5.91        | on request             | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000309:450:x            | 000309         | 450                  | 360                | 6.63        | on request             | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000309:500:x            | 000309         | 500                  | 400                | 7.35        | on request             | 0.01                  | 15.00                    | 3, 6, 10                                        |
| 000309:550:x            | 000309         | 550                  | 440                | 8.07        | on request             | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000309:600:x            | 000309         | 600                  | 480                | 8.79        | on request             | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000309:700:x            | 000309         | 700                  | 560                | 10.23       | on request             | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000309:800:x            | 000309         | 800                  | 640                | 11.67       | on request             | 0.01                  | 10.00                    | 3, 6, 10                                        |
| 000309:900:x            | 000309         | 900                  | 720                | 13.11       | on request             | 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



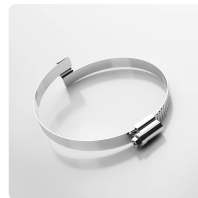
**Hose connector**  
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



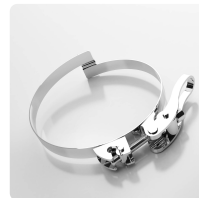
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



**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

