



## 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, other colours, other spiral distance, 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
000309:50:x	000309	50	30	1.10	on request	0.39	15.00
000309:55:x	000309	55	33	1.19	on request	0.34	15.00
000309:60:x	000309	60	36	1.29	on request	0.31	15.00
000309:65:x	000309	65	39	1.38	on request	0.29	15.00
000309:70:x	000309	70	42	1.47	on request	0.26	15.00
000309:75:x	000309	75	45	1.57	on request	0.25	15.00
000309:80:x	000309	80	48	1.66	on request	0.22	15.00
000309:90:x	000309	90	54	1.85	on request	0.21	15.00
000309:100:x	000309	100	60	1.57	on request	0.17	15.00
000309:110:x	000309	110	66	1.71	on request	0.14	15.00
000309:120:x	000309	120	72	1.85	on request	0.12	15.00
000309:125:x	000309	125	75	1.93	on request	0.10	15.00
000309:130:x	000309	130	78	2.00	on request	0.10	15.00
000309:140:x	000309	140	84	2.14	on request	0.09	15.00
000309:150:x	000309	150	90	2.29	on request	0.08	15.00
000309:160:x	000309	160	96	2.43	on request	0.07	15.00
000309:170:x	000309	170	102	2.57	on request	0.06	15.00
000309:175:x	000309	175	105	2.65	on request	0.06	15.00
000309:180:x	000309	180	108	2.72	on request	0.05	15.00
000309:200:x	000309	200	120	3.01	on request	0.04	15.00
000309:215:x	000309	215	151	3.22	on request	0.04	15.00
000309:225:x	000309	225	158	3.36	on request	0.03	15.00
000309:250:x	000309	250	175	3.72	on request	0.03	15.00
000309:275:x	000309	275	193	4.08	on request	0.02	15.00
000309:300:x	000309	300	210	4.44	on request	0.02	15.00
000309:315:x	000309	315	221	4.66	on request	0.02	15.00
000309:325:x	000309	325	228	4.80	on request	0.02	15.00
000309:350:x	000309	350	245	5.16	on request	0.02	15.00

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
000309:375:x	000309	375	263	5.55	on request	0.01	15.00
000309:400:x	000309	400	280	5.91	on request	0.01	15.00
000309:450:x	000309	450	360	6.63	on request	0.01	15.00
000309:500:x	000309	500	400	7.35	on request	0.01	15.00
000309:550:x	000309	550	440	8.07	on request	0.01	10.00
000309:600:x	000309	600	480	8.79	on request	0.01	10.00
000309:700:x	000309	700	560	10.23	on request	0.01	10.00
000309:800:x	000309	800	640	11.67	on request	0.01	10.00
000309:900:x	000309	900	720	13.11	on request	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://www.masterflex.de/en)

### Address Headquarters

Masterflex SE  
Willy-Brandt-Allee 300  
45981 Gelsenkirchen

