



## Master-Clip HT 400

Article Master No.: 000299

Medium and high temperature hose for temperatures up to 400 °C



hydrolysis resistant



microbe resistant



compressible



very flexible



light



moderately 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: coated, Coating with heat stabilisers
- Material of the wall: High temperature fabric, reinforced by interwoven VA wire

#### Properties

- Chemical Properties: silicone-free
- Mechanical Properties: compressible approx. 1:6
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: silver grey
- Other: increased vacuum resistance due to woven-in reinforcing components

#### Operating Temperature

- Temperature Range: -20 - 400

- short-term maximum temperature: peaks to 400 °C exhaust gas temperature (peaks to 450 °C), for proper use exhaust gas funnels are required and a sufficient supply of fresh air (approx. 50% related to the maximum specified temperature)

### Delivery Information

- Delivery, type of production: Order-related production

### Application Areas

- Areas of application: Industry, Ventilation & air-conditioning, Food & Pharma, 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
000299:38:x	000299	38	23	0.50	on request	0.40	20.00
000299:40:x	000299	40	24	0.50	on request	0.39	20.00
000299:45:x	000299	45	27	0.50	on request	0.37	20.00
000299:50:x	000299	50	30	0.50	on request	0.35	20.00
000299:55:x	000299	55	33	0.60	on request	0.29	20.00
000299:60:x	000299	60	36	0.60	on request	0.24	20.00
000299:65:x	000299	65	39	0.70	on request	0.21	20.00
000299:70:x	000299	70	42	0.70	on request	0.17	20.00
000299:75:x	000299	75	45	0.80	on request	0.15	20.00
000299:80:x	000299	80	48	0.80	on request	0.14	20.00
000299:90:x	000299	90	54	0.80	on request	0.11	20.00
000299:100:x	000299	100	60	0.80	on request	0.09	20.00
000299:110:x	000299	110	66	0.90	on request	0.07	20.00
000299:120:x	000299	120	72	0.90	on request	0.06	20.00
000299:125:x	000299	125	75	1.00	on request	0.05	20.00
000299:130:x	000299	130	78	1.00	on request	0.05	20.00
000299:140:x	000299	140	84	1.00	on request	0.05	20.00
000299:150:x	000299	150	90	1.10	on request	0.04	20.00
000299:160:x	000299	160	96	1.10	on request	0.03	20.00
000299:170:x	000299	170	102	1.10	on request	0.03	20.00
000299:175:x	000299	175	105	1.30	on request	0.03	20.00
000299:180:x	000299	180	108	1.30	on request	0.03	20.00
000299:200:x	000299	200	120	1.50	on request	0.02	20.00
000299:215:x	000299	215	151	1.60	on request	0.02	20.00
000299:225:x	000299	225	158	1.80	on request	0.02	20.00
000299:250:x	000299	250	175	2.00	on request	0.02	20.00
000299:275:x	000299	275	193	2.40	on request	0.01	20.00
000299:300:x	000299	300	210	2.60	on request	0.01	20.00
000299:325:x	000299	325	228	2.80	on request	0.01	20.00

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
000299:350:x	000299	350	245	3.10	on request	0.01	20.00
000299:375:x	000299	375	263	3.60	on request	0.01	20.00
000299:400:x	000299	400	280	3.90	on request	0.01	20.00
000299:450:x	000299	450	360	4.50	on request	0.01	20.00
000299:500:x	000299	500	400	5.10	on request	0.01	20.00
000299:550:x	000299	550	440	5.80	on request	0.01	20.00
000299:600:x	000299	600	480	6.40	on request	0.01	20.00
000299:700:x	000299	700	560	7.50	on request	0.01	20.00
000299:800:x	000299	800	640	8.60	on request	0.01	20.00
000299:900:x	000299	900	720	9.80	on request	0.01	20.00

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



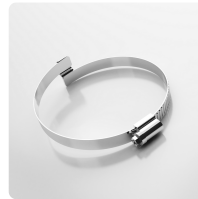
**Hose connector**  
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



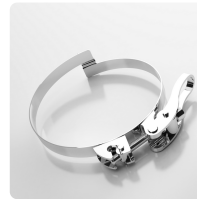
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



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

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