

## Master-Clip HT 450

Article Master No.: 000324

Exhaust gas hose for exhaust gas temperatures up to 450 °C, two layers



hydrolysis resistant



microbe resistant



flame retardant



compressible



very flexible



medium heavy



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, double-layered
- Specifications of the wall: flame retardant according to DIN EN 13501-1 (class B1, s2: medium smoke development; d0: no burning droplet/fall within 600 seconds)
- Design of the inner layer: reinforced by interwoven VA wire, heat-resistant impregnation
- Material of the inner layer: glass fabric
- Execution of the external layer: Coating with heat stabilisers
- Material of the outer layer: High temperature fabric

#### Properties

- Chemical Properties: good resistance to chemicals, good UV resistance, good ozone resistance, weather-resistant
- Flexibility: very flexible
- 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 - 450
- short-term maximum temperature: peaks to 450 °C exhaust gas temperature (peaks to 500 °C), for proper use exhaust gas funnels are required and a sufficient supply of fresh air (approx. 50% based on the maximum specified temperature)

### Delivery Information

- Delivery, type of production: Order-related production

### Application Areas

- Areas of application: Automotive, Plant & Mechanical Engineering, Industry, Aerospace technology, Ventilation & air-conditioning, Sea & rail transport, Food & Pharma, Vehicle construction, 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
000324:50:x	000324	50	30	0.59	on request	0.35	15.00
000324:55:x	000324	55	33	0.65	on request	0.29	15.00
000324:60:x	000324	60	36	0.63	on request	0.24	15.00
000324:65:x	000324	65	39	0.68	on request	0.21	15.00
000324:70:x	000324	70	42	0.73	on request	0.17	15.00
000324:75:x	000324	75	45	0.78	on request	0.15	15.00
000324:80:x	000324	80	48	0.83	on request	0.14	15.00
000324:90:x	000324	90	54	0.93	on request	0.11	15.00
000324:100:x	000324	100	60	1.20	on request	0.09	15.00
000324:110:x	000324	110	66	1.31	on request	0.07	15.00
000324:120:x	000324	120	72	1.43	on request	0.06	15.00
000324:125:x	000324	125	75	1.48	on request	0.05	15.00
000324:130:x	000324	130	78	1.54	on request	0.05	15.00
000324:140:x	000324	140	84	1.65	on request	0.05	15.00
000324:150:x	000324	150	90	1.76	on request	0.04	15.00
000324:160:x	000324	160	96	1.87	on request	0.03	15.00
000324:170:x	000324	170	102	1.99	on request	0.03	15.00
000324:175:x	000324	175	105	2.04	on request	0.03	15.00
000324:180:x	000324	180	108	2.10	on request	0.03	15.00
000324:200:x	000324	200	120	2.32	on request	0.02	15.00
000324:215:x	000324	215	151	2.78	on request	0.02	15.00
000324:225:x	000324	225	158	2.90	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
000324:250:x	000324	250	175	3.21	on request	0.02	15.00
000324:275:x	000324	275	193	3.52	on request	0.01	15.00
000324:300:x	000324	300	210	3.83	on request	0.01	15.00
000324:315:x	000324	315	221	4.01	on request	0.01	15.00
000324:325:x	000324	325	228	4.14	on request	0.01	15.00
000324:350:x	000324	350	245	4.45	on request	0.01	15.00
000324:375:x	000324	375	263	4.78	on request	0.01	15.00
000324:400:x	000324	400	280	5.09	on request	0.01	15.00
000324:450:x	000324	450	360	5.71	on request	0.01	15.00
000324:500:x	000324	500	400	6.33	on request	0.01	15.00
000324:550:x	000324	550	440	6.94	on request	0.01	10.00
000324:600:x	000324	600	480	7.56	on request	0.01	10.00
000324:700:x	000324	700	560	8.80	on request	0.01	10.00
000324:800:x	000324	800	640	10.03	on request	0.01	10.00
000324:900:x	000324	900	720	11.27	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



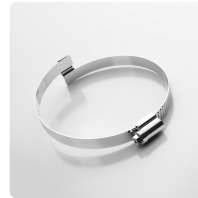
**Hose connector**  
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



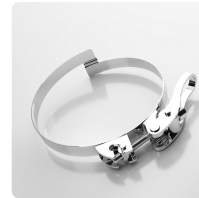
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



**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)

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