



## 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, 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
000324:250:x	000324	250	175	3.21	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
000324:275: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.

## 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://www.masterflex.de/en)

### Address Headquarters

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