



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

Key facts

- Product Advantages: tension-resistant clamping of the wall within the clamping profile

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
- Specifications of the wall: flame retardant in accordance with DIN 4102 B1
- Design of the inner layer: reinforced by interwoven VA wire, heat-resistant impregnation
- Material of the inner layer: PU-coated glass fabric
- Material of the outer layer: PU-coated glass 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, pressure resistance depending on design, not recommended for overpressure applications
- Colour: silver grey
- Other: increased vacuum resistance due to woven-in reinforcing components

Operating Temperature

- Temperature Range: -20to 450°C
- 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)
- proper use: for flue gas temperatures >+250 °C, suitable only for static negative pressure applications with a minimum of 50% fresh air supply at the maximum specified temperature

Delivery Information

- Delivery, type of production: order-related production

Application Areas

- Areas of application: Automotive, Plant & Mechanical Engineering, Industry, aviation 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	Nominal Size (DN) in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Length (standard lengths available for order) in m
000324:50:x	50	30	0.59	on request	0.35	15.00	3 / 6 / 10
000324:55:x	55	33	0.65	on request	0.29	15.00	3 / 6 / 10
000324:60:x	60	36	0.63	on request	0.24	15.00	3 / 6 / 10
000324:65:x	65	39	0.68	on request	0.21	15.00	3 / 6 / 10
000324:70:x	70	42	0.73	on request	0.17	15.00	3 / 6 / 10
000324:75:x	75	45	0.78	on request	0.15	15.00	3 / 6 / 10
000324:80:x	80	48	0.83	on request	0.14	15.00	3 / 6 / 10
000324:90:x	90	54	0.93	on request	0.11	15.00	3 / 6 / 10
000324:100:x	100	60	1.20	on request	0.09	15.00	3 / 6 / 10
000324:110:x	110	66	1.31	on request	0.07	15.00	3 / 6 / 10
000324:120:x	120	72	1.43	on request	0.06	15.00	3 / 6 / 10
000324:125:x	125	75	1.48	on request	0.05	15.00	3 / 6 / 10
000324:130:x	130	78	1.54	on request	0.05	15.00	3 / 6 / 10
000324:140:x	140	84	1.65	on request	0.05	15.00	3 / 6 / 10
000324:150:x	150	90	1.76	on request	0.04	15.00	3 / 6 / 10
000324:160:x	160	96	1.87	on request	0.03	15.00	3 / 6 / 10
000324:170:x	170	102	1.99	on request	0.03	15.00	3 / 6 / 10
000324:175:x	175	105	2.04	on request	0.03	15.00	3 / 6 / 10
000324:180:x	180	108	2.10	on request	0.03	15.00	3 / 6 / 10
000324:200:x	200	120	2.32	on request	0.02	15.00	3 / 6 / 10

Extended Article Number	Nominal Size (DN) in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Length (standard lengths available for order) in m
000324:215:x	215	151	2.78	on request	0.02	15.00	3 / 6 / 10
000324:225:x	225	158	2.90	on request	0.02	15.00	3 / 6 / 10
000324:250:x	250	175	3.21	on request	0.02	15.00	3 / 6 / 10
000324:275:x	275	193	3.52	on request	0.01	15.00	3 / 6 / 10
000324:300:x	300	210	3.83	on request	0.01	15.00	3 / 6 / 10
000324:315:x	315	221	4.01	on request	0.01	15.00	3 / 6 / 10
000324:325:x	325	228	4.14	on request	0.01	15.00	3 / 6 / 10
000324:350:x	350	245	4.45	on request	0.01	15.00	3 / 6 / 10
000324:375:x	375	263	4.78	on request	0.01	15.00	3 / 6 / 10
000324:400:x	400	280	5.09	on request	0.01	15.00	3 / 6 / 10
000324:450:x	450	360	5.71	on request	0.01	15.00	3 / 6 / 10
000324:500:x	500	400	6.33	on request	0.01	15.00	3 / 6 / 10
000324:550:x	550	440	6.94	on request	0.01	10.00	3 / 6 / 10
000324:600:x	600	480	7.56	on request	0.01	10.00	3 / 6 / 10
000324:700:x	700	560	8.80	on request	0.01	10.00	3 / 6 / 10
000324:800:x	800	640	10.03	on request	0.01	10.00	3 / 6 / 10
000324:900:x	900	720	11.27	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)).

Suitable for the product



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 0**

Product requests via: **https://www.masterflex-slang.nl/**

Headquarters for your sales area

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