



Master-Clip HT 300

Article Master No.: 000331

Medium and high temperature hose up to 300 °C, silicon-free, highly flexible



flame
retardant



compressi
ble



very
flexible



light



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: made of specified material, coated
- Material of the wall: glass fibre fabric
- Specifications of the wall: material is UV-resistant according to ISO EN 105 B02, flame retardant

Properties

- Chemical Properties: silicone-free, hydrolysis resistant, good ozone resistance
- Mechanical Properties: compressible approx. 1:6
- Flexibility: very flexible
- Physical Properties: self-extinguishing
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Other: no outgassing during commissioning

Operating Temperature

- Temperature Range: -20 - 300
- short-term maximum temperature: peaks to 300 °C (peaks to 350 °C) for vacuum applications

Delivery Information

Application Areas

- Areas of application: Automotive, Plant & Mechanical Engineering, Aerospace technology, Ventilation & Air-conditioning, Sea & Rail transport, Food & Pharma, Printing & Paper, Vehicle Construction

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
000331:50:x	000331	50	30	0.40	on request	0.39	20.00
000331:55:x	000331	55	33	0.40	on request	0.32	20.00
000331:60:x	000331	60	36	0.50	on request	0.27	20.00
000331:65:x	000331	65	39	0.50	on request	0.23	20.00
000331:70:x	000331	70	42	0.50	on request	0.20	20.00
000331:75:x	000331	75	45	0.60	on request	0.18	20.00
000331:80:x	000331	80	48	0.60	on request	0.15	20.00
000331:90:x	000331	90	54	0.60	on request	0.12	20.00
000331:100:x	000331	100	60	0.60	on request	0.10	20.00
000331:110:x	000331	110	66	0.70	on request	0.08	20.00
000331:120:x	000331	120	72	0.70	on request	0.07	20.00
000331:125:x	000331	125	75	0.80	on request	0.06	20.00
000331:130:x	000331	130	78	0.80	on request	0.07	20.00
000331:140:x	000331	140	84	0.80	on request	0.05	20.00
000331:150:x	000331	150	90	0.90	on request	0.04	20.00
000331:160:x	000331	160	96	0.90	on request	0.09	20.00
000331:170:x	000331	170	102	0.90	on request	0.03	20.00
000331:175:x	000331	175	105	1.00	on request	0.03	20.00
000331:180:x	000331	180	108	1.00	on request	0.03	20.00
000331:200:x	000331	200	120	1.20	on request	0.03	20.00
000331:215:x	000331	215	151	1.30	on request	0.02	20.00
000331:225:x	000331	225	158	1.40	on request	0.02	20.00
000331:250:x	000331	250	175	1.60	on request	0.02	20.00
000331:275:x	000331	275	193	1.90	on request	0.01	20.00
000331:300:x	000331	300	210	2.10	on request	0.01	20.00
000331:325:x	000331	325	228	2.20	on request	0.01	20.00
000331:350:x	000331	350	245	2.50	on request	0.01	20.00
000331:375:x	000331	375	263	2.90	on request	0.01	20.00
000331:400:x	000331	400	280	3.10	on request	0.01	20.00
000331:450:x	000331	450	360	3.60	on request	0.01	20.00
000331:500:x	000331	500	400	4.10	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
000331:550:x	000331	550	440	4.60	on request	0.01	20.00
000331:600:x	000331	600	480	5.10	on request	0.01	20.00
000331:700:x	000331	700	560	6.00	on request	0.01	20.00
000331:800:x	000331	800	640	6.90	on request	0.01	20.00
000331:900:x	000331	900	720	7.80	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.

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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