



Master-Clip HT 300

Article Master No.: 000331

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

flame retardant | compressible | very flexible | light | 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
- Material of the wall: PA-coated 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, pressure resistance depending on design, not recommended for overpressure applications

- Other: no outgassing during commissioning

Operating Temperature

- Temperature Range: -20to 300°C
- short-term maximum temperature: +320 °C
- proper use: the specifications apply to flue gas temperatures when flue gas funnels are used correctly with a minimum of 50% fresh air supply at the maximum specified temperature

Application Areas

- Areas of application: Automotive, Plant & Mechanical Engineering, aviation 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	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
000331:50:x	50	30	0.40	on request	0.39	20.00	3 / 6 / 10
000331:55:x	55	33	0.40	on request	0.32	20.00	3 / 6 / 10
000331:60:x	60	36	0.50	on request	0.27	20.00	3 / 6 / 10
000331:65:x	65	39	0.50	on request	0.23	20.00	3 / 6 / 10
000331:70:x	70	42	0.50	on request	0.20	20.00	3 / 6 / 10
000331:75:x	75	45	0.60	on request	0.18	20.00	3 / 6 / 10
000331:80:x	80	48	0.60	on request	0.15	20.00	3 / 6 / 10
000331:90:x	90	54	0.60	on request	0.12	20.00	3 / 6 / 10
000331:100:x	100	60	0.60	on request	0.10	20.00	3 / 6 / 10
000331:110:x	110	66	0.70	on request	0.08	20.00	3 / 6 / 10
000331:120:x	120	72	0.70	on request	0.07	20.00	3 / 6 / 10
000331:125:x	125	75	0.80	on request	0.06	20.00	3 / 6 / 10
000331:130:x	130	78	0.80	on request	0.07	20.00	3 / 6 / 10
000331:140:x	140	84	0.80	on request	0.05	20.00	3 / 6 / 10
000331:150:x	150	90	0.90	on request	0.04	20.00	3 / 6 / 10
000331:160:x	160	96	0.90	on request	0.09	20.00	3 / 6 / 10
000331:170:x	170	102	0.90	on request	0.03	20.00	3 / 6 / 10
000331:175:x	175	105	1.00	on request	0.03	20.00	3 / 6 / 10
000331:180:x	180	108	1.00	on request	0.03	20.00	3 / 6 / 10
000331:200:x	200	120	1.20	on request	0.03	20.00	3 / 6 / 10
000331:215:x	215	151	1.30	on request	0.02	20.00	3 / 6 / 10
000331:225:x	225	158	1.40	on request	0.02	20.00	3 / 6 / 10
000331:250:x	250	175	1.60	on request	0.02	20.00	3 / 6 / 10
000331:275:x	275	193	1.90	on request	0.01	20.00	3 / 6 / 10
000331:300:x	300	210	2.10	on request	0.01	20.00	3 / 6 / 10
000331:325:x	325	228	2.20	on request	0.01	20.00	3 / 6 / 10
000331:350:x	350	245	2.50	on request	0.01	20.00	3 / 6 / 10
000331:375:x	375	263	2.90	on request	0.01	20.00	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
000331:400:x	400	280	3.10	on request	0.01	20.00	3 / 6 / 10
000331:450:x	450	360	3.60	on request	0.01	20.00	3 / 6 / 10
000331:500:x	500	400	4.10	on request	0.01	20.00	3 / 6 / 10
000331:550:x	550	440	4.60	on request	0.01	20.00	3 / 6 / 10
000331:600:x	600	480	5.10	on request	0.01	20.00	3 / 6 / 10
000331:700:x	700	560	6.00	on request	0.01	20.00	3 / 6 / 10
000331:800:x	800	640	6.90	on request	0.01	20.00	3 / 6 / 10
000331:900:x	900	720	7.80	on request	0.01	20.00	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



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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