



Master-Clip HT 1100

Article Master No.: 000319

Medium- and high temperature hose for temperatures up to 1100 °C

microbe resistant | hydrolysis resistant | temperature-resistant | very flexible | 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, VA steel 1.4512
- Design of the external spiral: designed as an additional protective profile
- Execution of the wall: made of three layers
- Design of inner and outer hose: interlayer made of thermal textile fabric
- Material of the inner layer: stainless steel wire mesh
- Material of the intermediate layer: glass fabric
- Material of the outer layer: reinforced by interwoven VA wire, TPU-coated high-temperature fabric

Properties

- Chemical Properties: silicone-free
- Flexibility: very flexible
- Physical Properties: flame resistant
- Weight: heavy

- Pressure Resistance: moderately pressure resistant, pressure resistance depending on design, not recommended for overpressure applications
- Colour: silver grey

Operating Temperature

- Temperature Range: -20to 1100°C
- short-term maximum temperature: peaks to 1100 °C exhaust gas temperature with proper use. For negative pressure applications and at least 50% fresh air at maximum temperature.
- proper use: the specifications apply to flue gas temperatures in the context of negative pressure applications with a minimum of 50% fresh air supply up to 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, Printing & Paper, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other lengths, other nominal widths

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
000319:75:x	75	45	1.68	on request	0.30	15.00	3 / 6 / 10
000319:80:x	80	48	1.78	on request	0.27	15.00	3 / 6 / 10
000319:90:x	90	54	1.99	on request	0.25	15.00	3 / 6 / 10
000319:100:x	100	60	1.78	on request	0.20	15.00	3 / 6 / 10
000319:110:x	110	66	1.94	on request	0.16	15.00	3 / 6 / 10
000319:120:x	120	72	2.11	on request	0.14	15.00	3 / 6 / 10
000319:125:x	125	75	2.19	on request	0.12	15.00	3 / 6 / 10
000319:130:x	130	78	2.27	on request	0.12	15.00	3 / 6 / 10
000319:140:x	140	84	2.44	on request	0.10	15.00	3 / 6 / 10
000319:150:x	150	90	2.60	on request	0.09	15.00	3 / 6 / 10
000319:160:x	160	96	2.77	on request	0.08	15.00	3 / 6 / 10
000319:170:x	170	102	2.93	on request	0.07	15.00	3 / 6 / 10
000319:175:x	175	105	3.02	on request	0.07	15.00	3 / 6 / 10
000319:180:x	180	126	3.10	on request	0.06	15.00	3 / 6 / 10
000319:200:x	200	140	3.43	on request	0.05	15.00	3 / 6 / 10
000319:215:x	215	151	3.68	on request	0.05	10.00	3 / 6 / 10
000319:225:x	225	158	3.84	on request	0.04	10.00	3 / 6 / 10
000319:250:x	250	175	4.25	on request	0.03	10.00	3 / 6 / 10
000319:275:x	275	193	4.67	on request	0.03	10.00	3 / 6 / 10
000319:300:x	300	210	5.08	on request	0.02	10.00	3 / 6 / 10
000319:315:x	315	221	5.33	on request	0.02	10.00	3 / 6 / 10
000319:325:x	325	228	5.49	on request	0.02	10.00	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
000319:350:x	350	245	5.90	on request	0.02	10.00	3 / 6 / 10
000319:375:x	375	300	6.35	on request	0.02	10.00	3 / 6 / 10
000319:400:x	400	320	6.76	on request	0.01	10.00	3 / 6 / 10
000319:450:x	450	360	7.59	on request	0.01	10.00	3 / 6 / 10
000319:500:x	500	400	8.41	on request	0.01	10.00	3 / 6 / 10
000319:550:x	550	440	9.24	on request	0.01	10.00	3 / 6 / 10
000319:600:x	600	480	10.06	on request	0.01	10.00	3 / 6 / 10
000319:700:x	700	560	11.72	on request	0.01	10.00	3 / 6 / 10
000319:800:x	800	640	13.37	on request	0.01	10.00	3 / 6 / 10
000319:900:x	900	720	15.02	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



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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