

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

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
- Execution of the external layer: reinforced by interwoven VA wire / coating with heat stabilisers
- Material of the outer layer: 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: -20 to 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.

Delivery Information

- Delivery, type of production: order-related production

Application Areas

- Areas of application: Automotive / Plant & Mechanical Engineering / Industry / Aerospace 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	Article number	Nominal Size (DN) mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Length (standard lengths available for order) m
000319:75:x	000319	75	45	1.68	on request	0.30	15.00	3 / 6 / 10
000319:80:x	000319	80	48	1.78	on request	0.27	15.00	3 / 6 / 10
000319:90:x	000319	90	54	1.99	on request	0.25	15.00	3 / 6 / 10
000319:100:x	000319	100	60	1.78	on request	0.20	15.00	3 / 6 / 10
000319:110:x	000319	110	66	1.94	on request	0.16	15.00	3 / 6 / 10
000319:120:x	000319	120	72	2.11	on request	0.14	15.00	3 / 6 / 10
000319:125:x	000319	125	75	2.19	on request	0.12	15.00	3 / 6 / 10
000319:130:x	000319	130	78	2.27	on request	0.12	15.00	3 / 6 / 10
000319:140:x	000319	140	84	2.44	on request	0.10	15.00	3 / 6 / 10
000319:150:x	000319	150	90	2.60	on request	0.09	15.00	3 / 6 / 10
000319:160:x	000319	160	96	2.77	on request	0.08	15.00	3 / 6 / 10
000319:170:x	000319	170	102	2.93	on request	0.07	15.00	3 / 6 / 10
000319:175:x	000319	175	105	3.02	on request	0.07	15.00	3 / 6 / 10
000319:180:x	000319	180	126	3.10	on request	0.06	15.00	3 / 6 / 10
000319:200:x	000319	200	140	3.43	on request	0.05	15.00	3 / 6 / 10
000319:215:x	000319	215	151	3.68	on request	0.05	10.00	3 / 6 / 10
000319:225:x	000319	225	158	3.84	on request	0.04	10.00	3 / 6 / 10
000319:250:x	000319	250	175	4.25	on request	0.03	10.00	3 / 6 / 10
000319:275:x	000319	275	193	4.67	on request	0.03	10.00	3 / 6 / 10
000319:300:x	000319	300	210	5.08	on request	0.02	10.00	3 / 6 / 10
000319:315:x	000319	315	221	5.33	on request	0.02	10.00	3 / 6 / 10
000319:325:x	000319	325	228	5.49	on request	0.02	10.00	3 / 6 / 10
000319:350:x	000319	350	245	5.90	on request	0.02	10.00	3 / 6 / 10
000319:375:x	000319	375	300	6.35	on request	0.02	10.00	3 / 6 / 10
000319:400:x	000319	400	320	6.76	on request	0.01	10.00	3 / 6 / 10
000319:450:x	000319	450	360	7.59	on request	0.01	10.00	3 / 6 / 10
000319:500:x	000319	500	400	8.41	on request	0.01	10.00	3 / 6 / 10

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	Length (standard lengths available for order) m
000319:550:x	000319	550	440	9.24	on request	0.01	10.00	3 / 6 / 10
000319:600:x	000319	600	480	10.06	on request	0.01	10.00	3 / 6 / 10
000319:700:x	000319	700	560	11.72	on request	0.01	10.00	3 / 6 / 10
000319:800:x	000319	800	640	13.37	on request	0.01	10.00	3 / 6 / 10
000319:900:x	000319	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

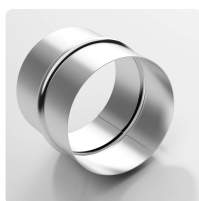
Delivery Variants

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



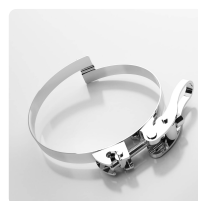
Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



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

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

