



Master-Clip HT 650

Article Master No.: 000309

Medium- and high temperature hose for temperatures up to 650 °C



flame retardant



microbe resistant



compressible



hydrolysis resistant



temperature-resistant



very flexible



medium 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, hot-dip galvanised
- Design of the external spiral: designed as an additional protective profile
- Execution of the wall: double-layered
- Design of the inner layer: reinforced by interwoven VA wire
- Material of the inner layer: high-temperature fabric
- Execution of the external layer: 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: 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: -20 to 650 °C
- short-term maximum temperature: peaks to 650 °C (short term up to 750 °C) flue gas temperature, for proper use flue gas funnels are required and a sufficient supply of fresh air (approx. 50% based on the maximum specified 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 / 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	Length (standard lengths available for order) m
000309:50:x	000309	50	30	1.10	on request	0.39	15.00	3 / 6 / 10
000309:55:x	000309	55	33	1.19	on request	0.34	15.00	3 / 6 / 10
000309:60:x	000309	60	36	1.29	on request	0.31	15.00	3 / 6 / 10
000309:65:x	000309	65	39	1.38	on request	0.29	15.00	3 / 6 / 10
000309:70:x	000309	70	42	1.47	on request	0.26	15.00	3 / 6 / 10
000309:75:x	000309	75	45	1.57	on request	0.25	15.00	3 / 6 / 10
000309:80:x	000309	80	48	1.66	on request	0.22	15.00	3 / 6 / 10
000309:90:x	000309	90	54	1.85	on request	0.21	15.00	3 / 6 / 10
000309:100:x	000309	100	60	1.57	on request	0.17	15.00	3 / 6 / 10
000309:110:x	000309	110	66	1.71	on request	0.14	15.00	3 / 6 / 10
000309:120:x	000309	120	72	1.85	on request	0.12	15.00	3 / 6 / 10
000309:125:x	000309	125	75	1.93	on request	0.10	15.00	3 / 6 / 10
000309:130:x	000309	130	78	2.00	on request	0.10	15.00	3 / 6 / 10
000309:140:x	000309	140	84	2.14	on request	0.09	15.00	3 / 6 / 10
000309:150:x	000309	150	90	2.29	on request	0.08	15.00	3 / 6 / 10
000309:160:x	000309	160	96	2.43	on request	0.07	15.00	3 / 6 / 10
000309:170:x	000309	170	102	2.57	on request	0.06	15.00	3 / 6 / 10
000309:175:x	000309	175	105	2.65	on request	0.06	15.00	3 / 6 / 10
000309:180:x	000309	180	108	2.72	on request	0.05	15.00	3 / 6 / 10
000309:200:x	000309	200	120	3.01	on request	0.04	15.00	3 / 6 / 10
000309:215:x	000309	215	151	3.22	on request	0.04	15.00	3 / 6 / 10
000309:225:x	000309	225	158	3.36	on request	0.03	15.00	3 / 6 / 10
000309:250:x	000309	250	175	3.72	on request	0.03	15.00	3 / 6 / 10
000309:275:x	000309	275	193	4.08	on request	0.02	15.00	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
000309:300:x	000309	300	210	4.44	on request	0.02	15,00	3 / 6 / 10
000309:315:x	000309	315	221	4.66	on request	0.02	15,00	3 / 6 / 10
000309:325:x	000309	325	228	4.80	on request	0.02	15,00	3 / 6 / 10
000309:350:x	000309	350	245	5.16	on request	0.02	15,00	3 / 6 / 10
000309:375:x	000309	375	263	5.55	on request	0.01	15,00	3 / 6 / 10
000309:400:x	000309	400	280	5.91	on request	0.01	15,00	3 / 6 / 10
000309:450:x	000309	450	360	6.63	on request	0.01	15,00	3 / 6 / 10
000309:500:x	000309	500	400	7.35	on request	0.01	15,00	3 / 6 / 10
000309:550:x	000309	550	440	8.07	on request	0.01	10,00	3 / 6 / 10
000309:600:x	000309	600	480	8.79	on request	0.01	10,00	3 / 6 / 10
000309:700:x	000309	700	560	10.23	on request	0.01	10,00	3 / 6 / 10
000309:800:x	000309	800	640	11.67	on request	0.01	10,00	3 / 6 / 10
000309:900:x	000309	900	720	13.11	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
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Product requests via
[masterflex.de/en](https://www.masterflex.de/en)

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