



Master-Clip HT 400

Article Master No.: 000299

Medium and high temperature hose for temperatures up to 400 °C



hydrolysis resistant



microbe resistant



compressible



very flexible



light



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: coated, Coating with heat stabilisers
- Material of the wall: High temperature fabric, reinforced by interwoven VA wire

Properties

- Chemical Properties: silicone-free
- Mechanical Properties: compressible approx. 1:6
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: silver grey
- Other: increased vacuum resistance due to woven-in reinforcing components

Operating Temperature

- Temperature Range: -20 - 400

- short-term maximum temperature: peaks to 400 °C exhaust gas temperature (peaks to 450 °C), for proper use exhaust gas funnels are required and a sufficient supply of fresh air (approx. 50% related to the maximum specified temperature)

Delivery Information

- Delivery, type of production: Order-related production

Application Areas

- Areas of application: Industry, Ventilation & air-conditioning, Food & Pharma, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other lengths, other nominal widths, other colours, other spiral distance, 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
000299:38:x	000299	38	23	0.50	on request	0.40	20.00
000299:40:x	000299	40	24	0.50	on request	0.39	20.00
000299:45:x	000299	45	27	0.50	on request	0.37	20.00
000299:50:x	000299	50	30	0.50	on request	0.35	20.00
000299:55:x	000299	55	33	0.60	on request	0.29	20.00
000299:60:x	000299	60	36	0.60	on request	0.24	20.00
000299:65:x	000299	65	39	0.70	on request	0.21	20.00
000299:70:x	000299	70	42	0.70	on request	0.17	20.00
000299:75:x	000299	75	45	0.80	on request	0.15	20.00
000299:80:x	000299	80	48	0.80	on request	0.14	20.00
000299:90:x	000299	90	54	0.80	on request	0.11	20.00
000299:100:x	000299	100	60	0.80	on request	0.09	20.00
000299:110:x	000299	110	66	0.90	on request	0.07	20.00
000299:120:x	000299	120	72	0.90	on request	0.06	20.00
000299:125:x	000299	125	75	1.00	on request	0.05	20.00
000299:130:x	000299	130	78	1.00	on request	0.05	20.00
000299:140:x	000299	140	84	1.00	on request	0.05	20.00
000299:150:x	000299	150	90	1.10	on request	0.04	20.00
000299:160:x	000299	160	96	1.10	on request	0.03	20.00
000299:170:x	000299	170	102	1.10	on request	0.03	20.00
000299:175:x	000299	175	105	1.30	on request	0.03	20.00
000299:180:x	000299	180	108	1.30	on request	0.03	20.00
000299:200:x	000299	200	120	1.50	on request	0.02	20.00
000299:215:x	000299	215	151	1.60	on request	0.02	20.00
000299:225:x	000299	225	158	1.80	on request	0.02	20.00
000299:250:x	000299	250	175	2.00	on request	0.02	20.00
000299:275:x	000299	275	193	2.40	on request	0.01	20.00
000299:300:x	000299	300	210	2.60	on request	0.01	20.00
000299:325:x	000299	325	228	2.80	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
000299:350:x	000299	350	245	3.10	on request	0.01	20.00
000299:375:x	000299	375	263	3.60	on request	0.01	20.00
000299:400:x	000299	400	280	3.90	on request	0.01	20.00
000299:450:x	000299	450	360	4.50	on request	0.01	20.00
000299:500:x	000299	500	400	5.10	on request	0.01	20.00
000299:550:x	000299	550	440	5.80	on request	0.01	20.00
000299:600:x	000299	600	480	6.40	on request	0.01	20.00
000299:700:x	000299	700	560	7.50	on request	0.01	20.00
000299:800:x	000299	800	640	8.60	on request	0.01	20.00
000299:900:x	000299	900	720	9.80	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.

Possible Connection Elements



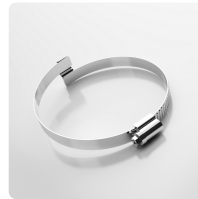
Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



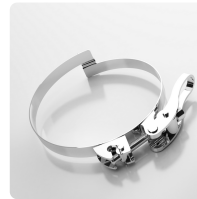
Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



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

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

