

Master-Clip ISO-CAR

Article Master No.: 000297

Medium and high temperature hose for temperatures up to +300°C, two layers



hydrolysis
resistant



microbe
resistant



compressi
ble



very
flexible



medium
heavy



moderatel
y 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: heat-resistant impregnation
- Material of the inner layer: glass fabric
- Execution of the external layer: coating with heat stabilisers
- Material of the outer layer: high temperature fabric

Properties

- Chemical Properties: good resistance to chemicals, weather-resistant
- Mechanical Properties: compressible approx. 1:4
- Flexibility: very flexible
- Weight: medium heavy
- Pressure Resistance: moderately pressure resistant
- Colour: silver-grey inside, green-grey outside
- Other: good vacuum resistance

Operating Temperature

- Temperature Range: -60 - 300
- short-term maximum temperature: peaks to 300 °C flue gas temperature (peaks to 350 °C), 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: Aerospace technology, Ventilation & Air-conditioning, Sea & Rail transport, Vehicle Construction

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
000297:38:x	000297	38	23	0.55	0.94	0.44	20.00	3, 6, 10
000297:40:x	000297	40	24	0.55	0.93	0.43	20.00	3, 6, 10
000297:45:x	000297	45	27	0.60	0.92	0.41	20.00	3, 6, 10
000297:50:x	000297	50	30	0.60	0.90	0.38	20.00	3, 6, 10
000297:55:x	000297	55	33	0.70	0.85	0.33	20.00	3, 6, 10
000297:60:x	000297	60	36	0.70	0.78	0.29	20.00	3, 6, 10
000297:65:x	000297	65	39	0.80	0.67	0.26	20.00	3, 6, 10
000297:70:x	000297	70	42	0.90	0.67	0.22	20.00	3, 6, 10
000297:75:x	000297	75	45	1.00	0.62	0.21	20.00	3, 6, 10
000297:80:x	000297	80	48	1.00	0.61	0.19	20.00	3, 6, 10
000297:90:x	000297	90	54	1.20	0.56	0.16	20.00	3, 6, 10
000297:100:x	000297	100	60	1.30	0.51	0.13	20.00	3, 6, 10
000297:110:x	000297	110	66	1.30	0.48	0.11	20.00	3, 6, 10
000297:120:x	000297	120	72	1.40	0.36	0.09	20.00	3, 6, 10
000297:125:x	000297	125	75	1.40	0.33	0.08	20.00	3, 6, 10
000297:130:x	000297	130	78	1.60	0.28	0.08	20.00	3, 6, 10
000297:140:x	000297	140	84	1.60	0.25	0.07	20.00	3, 6, 10
000297:150:x	000297	150	90	1.80	0.22	0.06	20.00	3, 6, 10
000297:160:x	000297	160	96	1.80	0.21	0.05	20.00	3, 6, 10
000297:170:x	000297	170	102	2.00	0.19	0.05	20.00	3, 6, 10
000297:175:x	000297	175	105	2.10	0.19	0.04	20.00	3, 6, 10
000297:180:x	000297	180	126	2.10	0.17	0.04	20.00	3, 6, 10
000297:200:x	000297	200	140	2.40	0.15	0.03	20.00	3, 6, 10
000297:215:x	000297	215	151	1.90	0.13	0.03	20.00	3, 6, 10
000297:225:x	000297	225	158	2.00	0.12	0.03	20.00	3, 6, 10
000297:250:x	000297	250	175	2.20	0.10	0.02	20.00	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
000297:275:x	000297	275	193	2.30	0.08	0.02	20.00	3, 6, 10
000297:300:x	000297	300	210	2.40	0.07	0.02	20.00	3, 6, 10
000297:325:x	000297	325	228	2.50	0.06	0.01	20.00	3, 6, 10
000297:350:x	000297	350	245	2.90	0.06	0.01	20.00	3, 6, 10
000297:375:x	000297	375	300	3.20	0.05	0.01	20.00	3, 6, 10
000297:400:x	000297	400	320	3.40	0.05	0.01	20.00	3, 6, 10
000297:450:x	000297	450	360	4.00	0.05	0.01	20.00	3, 6, 10
000297:500:x	000297	500	400	4.50	0.04	0.01	20.00	3, 6, 10
000297:550:x	000297	550	440	5.10	0.04	0.01	20.00	3, 6, 10
000297:600:x	000297	600	480	5.60	0.04	0.01	15.00	3, 6, 10
000297:700:x	000297	700	560	6.60	0.03	0.01	15.00	3, 6, 10
000297:800:x	000297	800	640	7.60	0.02	0.01	15.00	3, 6, 10
000297:900:x	000297	900	720	8.60	0.02	0.01	15.00	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

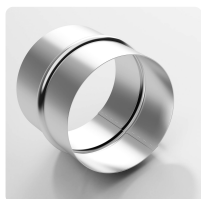
Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

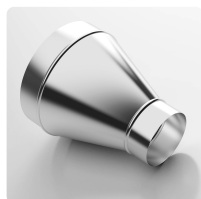
Disposal instructions

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)).

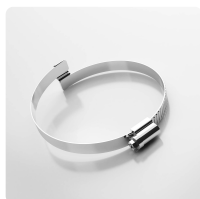
Possible Connection Elements



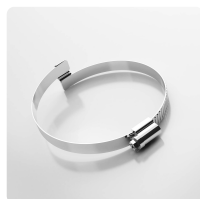
Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



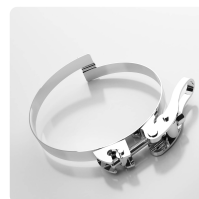
Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



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

