

## 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



compressible



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

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



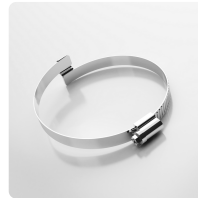
**Hose connector**  
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



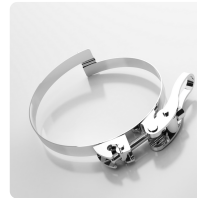
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



**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:  
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Product requests via  
[masterflex.de/en](http://masterflex.de/en)

### Address Headquarters

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