



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

Key facts

- Product Advantages: tension-resistant clamping of the wall within the clamping profile

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: TPU-coated glass fabric
- Material of the outer layer: Silicone-coated para-aramid fabric (pAR 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: -60to 300°C
- short-term maximum temperature: +350 °C
- proper use: for exhaust gas temperatures >+250 °C, suitable only for negative pressure applications with a minimum of 25% fresh air supply at the maximum specified temperature

Delivery Information

- Delivery, type of production: order-related production

Application Areas

- Areas of application: aviation 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	Nominal Size (DN) in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Length (standard lengths available for order) in m
000297:38:x	38	23	0.55	0.94	0.44	20.00	3 / 6 / 10
000297:40:x	40	24	0.55	0.93	0.43	20.00	3 / 6 / 10
000297:45:x	45	27	0.60	0.92	0.41	20.00	3 / 6 / 10
000297:50:x	50	30	0.60	0.90	0.38	20.00	3 / 6 / 10
000297:55:x	55	33	0.70	0.85	0.33	20.00	3 / 6 / 10
000297:60:x	60	36	0.70	0.78	0.29	20.00	3 / 6 / 10
000297:65:x	65	39	0.80	0.67	0.26	20.00	3 / 6 / 10
000297:70:x	70	42	0.90	0.67	0.22	20.00	3 / 6 / 10
000297:75:x	75	45	1.00	0.62	0.21	20.00	3 / 6 / 10
000297:80:x	80	48	1.00	0.61	0.19	20.00	3 / 6 / 10
000297:90:x	90	54	1.20	0.56	0.16	20.00	3 / 6 / 10
000297:100:x	100	60	1.30	0.51	0.13	20.00	3 / 6 / 10
000297:110:x	110	66	1.30	0.48	0.11	20.00	3 / 6 / 10
000297:120:x	120	72	1.40	0.36	0.09	20.00	3 / 6 / 10
000297:125:x	125	75	1.40	0.33	0.08	20.00	3 / 6 / 10
000297:130:x	130	78	1.60	0.28	0.08	20.00	3 / 6 / 10
000297:140:x	140	84	1.60	0.25	0.07	20.00	3 / 6 / 10
000297:150:x	150	90	1.80	0.22	0.06	20.00	3 / 6 / 10
000297:160:x	160	96	1.80	0.21	0.05	20.00	3 / 6 / 10
000297:170:x	170	102	2.00	0.19	0.05	20.00	3 / 6 / 10
000297:175:x	175	105	2.10	0.19	0.04	20.00	3 / 6 / 10
000297:180:x	180	126	2.10	0.17	0.04	20.00	3 / 6 / 10
000297:200:x	200	140	2.40	0.15	0.03	20.00	3 / 6 / 10
000297:215:x	215	151	1.90	0.13	0.03	20.00	3 / 6 / 10

Extended Article Number	Nominal Size (DN) in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Length (standard lengths available for order) in m
000297:225:x	225	158	2.00	0.12	0.03	20.00	3 / 6 / 10
000297:250:x	250	175	2.20	0.10	0.02	20.00	3 / 6 / 10
000297:275:x	275	193	2.30	0.08	0.02	20.00	3 / 6 / 10
000297:300:x	300	210	2.40	0.07	0.02	20.00	3 / 6 / 10
000297:325:x	325	228	2.50	0.06	0.01	20.00	3 / 6 / 10
000297:350:x	350	245	2.90	0.06	0.01	20.00	3 / 6 / 10
000297:375:x	375	300	3.20	0.05	0.01	20.00	3 / 6 / 10
000297:400:x	400	320	3.40	0.05	0.01	20.00	3 / 6 / 10
000297:450:x	450	360	4.00	0.05	0.01	20.00	3 / 6 / 10
000297:500:x	500	400	4.50	0.04	0.01	20.00	3 / 6 / 10
000297:550:x	550	440	5.10	0.04	0.01	20.00	3 / 6 / 10
000297:600:x	600	480	5.60	0.04	0.01	15.00	3 / 6 / 10
000297:700:x	700	560	6.60	0.03	0.01	15.00	3 / 6 / 10
000297:800:x	800	640	7.60	0.02	0.01	15.00	3 / 6 / 10
000297:900:x	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)).

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 phone: **+49 209 97077 0**

Product requests via: **https://www.masterflex-slang.nl/**

Headquarters for your sales area

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