

## Master-Clip ISO-CAR

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



Technical Drawing



Connections



Construction



### Material

- clip profile spiral: hot-dip galvanised steel band
- wall: double-layered, inner layer with heat resistant impregnated glass fabric, outer layer special-coated, textile high-temperature fabric

### Applications

- Diesel engine test-benches with higher extraction performance
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing
- Suction of engine exhaust fumes up to max.+300 °C acc. to exhaust guidelines and sufficient fresh air intake (approx. 50%)

## Properties

- very good temperature resistance
- outer chafing protection spiral
- primarily suitable as exhaust hose
- vibration-proof
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- extremely compressable to approx. 1:4
- abrasion-resistant
- highly flexible
- good vacuum resistance
- smallest bending radii

## Temperature Range

- from -60°C to +300 °C (Exhaust temperatures) with appropriate use if exhaust regulators and sufficient air supply (approx. 50% at the maximum given temperature)
- peaks to +350°C\*

## Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	production length	max. production length
	bar	bar	mm	kg		m	m
38	0,94	0,44	23	0,55	000297:38:x	3-10	20
40	0,93	0,43	24	0,55	000297:40:x	3-10	20
45	0,92	0,41	27	0,6	000297:45:x	3-10	20
50	0,9	0,38	30	0,6	000297:50:x	3-10	20
55	0,85	0,33	33	0,7	000297:55:x	3-10	20
60	0,78	0,29	36	0,7	000297:60:x	3-10	20
65	0,67	0,26	39	0,8	000297:65:x	3-10	20
70	0,67	0,22	42	0,9	000297:70:x	3-10	20
75	0,62	0,21	45	1	000297:75:x	3-10	20
80	0,61	0,19	48	1	000297:80:x	3-10	20
90	0,56	0,16	54	1,2	000297:90:x	3-10	20
100	0,51	0,13	60	1,3	000297:100:x	3-10	20
110	0,48	0,11	66	1,3	000297:110:x	3-10	20
120	0,36	0,09	72	1,4	000297:120:x	3-10	20
125	0,33	0,08	75	1,4	000297:125:x	3-10	20
130	0,28	0,08	78	1,6	000297:130:x	3-10	20
140	0,25	0,07	84	1,6	000297:140:x	3-10	20
150	0,22	0,06	90	1,8	000297:150:x	3-10	20
160	0,21	0,05	96	1,8	000297:160:x	3-10	20
170	0,19	0,05	102	2	000297:170:x	3-10	20
175	0,185	0,04	105	2,1	000297:175:x	3-10	20
180	0,172	0,04	126	2,1	000297:180:x	3-10	20
200	0,148	0,03	140	2,4	000297:200:x	3-10	20
215	0,128	0,03	151	1,9	000297:215:x	3-10	20
225	0,115	0,03	158	2	000297:225:x	3-10	20
250	0,1	0,02	175	2,2	000297:250:x	3-10	20
275	0,08	0,02	193	2,3	000297:275:x	3-10	20

300	0,07	0,02	210	2,4	000297:300:x	3-10	20
325	0,059	0,01	228	2,5	000297:325:x	3-10	20
350	0,056	0,01	245	2,9	000297:350:x	3-10	20
375	0,05	0,01	300	3,2	000297:375:x	3-10	20
400	0,047	0,01	320	3,4	000297:400:x	3-10	20
450	0,045	0,01	360	4	000297:450:x	3-10	20
500	0,043	0,01	400	4,5	000297:500:x	3-10	20
550	0,042	0,01	440	5,1	000297:550:x	3-10	20
600	0,039	0,01	480	5,6	000297:600:x	3-10	15
700	0,031	0,01	560	6,6	000297:700:x	3-10	15
800	0,022	0,01	640	7,6	000297:800:x	3-10	15
900	0,016	0,01	720	8,6	000297:900:x	3-10	15

All data refers to a medium and ambient temperature of +20 °C.

\* Refers to the inner hose lining

Subject to technical changes and colour deviations.

#### Manufacturing and Delivery

- Customised production in the above-mentioned nominal widths and lengths

#### Available on request

- Available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.