

Master-Clip ISO-SILICON

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
- Hose wall: two layers inner layer: heat resistant impregnated glass fabric outer layer: Silicon coated glass fabric

Applications

- Engine manufacturing
- Hot and cold air conveyance
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units with greater suction performance
- Defence systems
- Aircraft manufacturing

Properties

- hardly inflammable
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- outer chafing protection spiral
- good temperature resistance
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- extremely compressable to approx. 1:4
- limited vibration-proof
- super lightweight
- smallest bending radii
- UV/ozone-proof

Temperature Range

- -60°C to +300°C
- peaks to +350°C*

Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	stock length	max. production length
	bar	bar	mm	kg		m	m
50	0,85	0,38	30	0,5	000293:50:x	3-10	15
55	0,78	0,31	33	0,5	000293:55:x	3-10	15
60	0,68	0,26	36	0,6	000293:60:x	3-10	15
65	0,59	0,22	39	0,6	000293:65:x	3-10	15
70	0,53	0,19	42	0,6	000293:70:x	3-10	15
75	0,47	0,17	45	0,7	000293:75:x	3-10	15
80	0,43	0,15	48	0,7	000293:80:x	3-10	15
90	0,355	0,12	54	0,7	000293:90:x	3-10	15
100	0,3	0,09	60	0,7	000293:100:x	3-10	15
110	0,258	0,08	66	0,8	000293:110:x	3-10	15
120	0,224	0,07	72	0,8	000293:120:x	3-10	15
125	0,21	0,06	75	0,9	000293:125:x	3-10	15
130	0,197	0,06	78	0,9	000293:130:x	3-10	15
140	0,175	0,05	84	0,9	000293:140:x	3-10	15
150	0,157	0,04	90	1	000293:150:x	3-10	15
160	0,14	0,04	96	1	000293:160:x	3-10	15
170	0,128	0,03	102	1	000293:170:x	3-10	15
175	0,123	0,03	105	1,1	000293:175:x	3-10	15
180	0,117	0,03	108	1,1	000293:180:x	3-10	15
200	0,099	0,02	120	1,3	000293:200:x	3-10	15
215	0,088	0,02	151	1,4	000293:215:x	3-10	15
225	0,082	0,02	158	1,6	000293:225:x	3-10	15
250	0,069	0,02	175	1,8	000293:250:x	3-10	15
275	0,059	0,01	193	2,1	000293:275:x	3-10	15
300	0,052	0,01	210	2,3	000293:300:x	3-10	15
315	0,048	0,01	221	2,3	000293:315:x	3-10	15
325	0,046	0,01	228	2,4	000293:325:x	3-10	15
350	0,04	0,01	245	2,8	000293:350:x	3-10	15
375	0,036	0,01	263	3,2	000293:375:x	3-10	15
400	0,033	0,01	280	3,4	000293:400:x	3-10	15
450	0,027	0,01	360	4	000293:450:x	3-10	15
500	0,023	0,01	400	4,5	000293:500:x	3-10	15

550	0,02	0,01	440	5,1	000293:550:x	3-10	10
600	0,017	0,01	480	5,6	000293:600:x	3-10	10
700	0,014	0,01	560	6,6	000293:700:x	3-10	10
800	0,011	0,01	640	7,6	000293:800:x	3-10	10
900	0,009	0,01	720	8,6	000293:900:x	3-10	10

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.