

Master-Clip SILICON

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



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: silicone-coated glass-fibre fabric

Applications

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

Properties

- hardly inflammable
- outer chafing protection spiral
-

- good temperature resistance
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- extremely compressable to approx. 1:6
- limited vibration-proof
- highly flexible
- smallest bending radii
- UV/ozone-proof
- extremely lightweight

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
40	0,88	0,37	24	0,4	000291:40:x	3-10	15
45	0,87	0,35	27	0,4	000291:45:x	3-10	15
50	0,85	0,31	30	0,4	000291:50:x	3-10	15
55	0,78	0,26	33	0,4	000291:55:x	3-10	15
60	0,68	0,22	36	0,5	000291:60:x	3-10	15
65	0,59	0,19	39	0,5	000291:65:x	3-10	15
70	0,53	0,16	42	0,5	000291:70:x	3-10	15
75	0,47	0,14	45	0,6	000291:75:x	3-10	15
80	0,43	0,12	48	0,6	000291:80:x	3-10	15
90	0,355	0,1	54	0,6	000291:90:x	3-10	15
100	0,3	0,08	60	0,6	000291:100:x	3-10	15
110	0,258	0,07	66	0,7	000291:110:x	3-10	15
120	0,224	0,06	72	0,7	000291:120:x	3-10	15
125	0,21	0,05	75	0,8	000291:125:x	3-10	15
130	0,197	0,05	78	0,8	000291:130:x	3-10	15
140	0,175	0,04	84	0,8	000291:140:x	3-10	15
150	0,157	0,04	90	0,9	000291:150:x	3-10	15
160	0,14	0,03	96	0,9	000291:160:x	3-10	15
170	0,128	0,03	102	0,9	000291:170:x	3-10	15
175	0,123	0,03	105	1	000291:175:x	3-10	15
180	0,117	0,02	108	1	000291:180:x	3-10	15
200	0,099	0,02	120	1,2	000291:200:x	3-10	15
215	0,088	0,02	151	1,3	000291:215:x	3-10	15
225	0,082	0,02	158	1,4	000291:225:x	3-10	15
250	0,069	0,01	175	1,6	000291:250:x	3-10	15
275	0,059	0,01	193	1,9	000291:275:x	3-10	15
300	0,052	0,01	210	2,1	000291:300:x	3-10	15
315	0,048	0,01	221	2,1	000291:315:x	3-10	15
325	0,046	0,01	228	2,2	000291:325:x	3-10	15
350	0,04	0,01	245	2,5	000291:350:x	3-10	15
375	0,036	0,01	263	2,9	000291:375:x	3-10	15
400	0,033	0,01	280	3,1	000291:400:x	3-10	15

450	0,027	0,01	360	3,6	000291:450:x	3-10	15
500	0,023	0,01	400	4,1	000291:500:x	3-10	15
550	0,02	0,01	440	4,6	000291:550:x	3-10	10
600	0,017	0,01	480	5,1	000291:600:x	3-10	10
700	0,014	0,01	560	6	000291:700:x	3-10	10
800	0,011	0,01	640	6,9	000291:800:x	3-10	10
900	0,009	0,01	720	7,8	000291:900: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.