

Master-Clip CAR

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: special-coated textile high-temperature fabric

Applications

- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Exhaust gas extraction (esp. diesel engines)
- 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

- hardly inflammable
- 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. 1:6
- abrasion-resistant
- highly flexible
- smallest bending radii
- extremely lightweight

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	0,36	23	0,5	000294:38:x	3-10	20
40	0,93	0,35	24	0,5	000294:40:x	3-10	20
45	0,92	0,33	27	0,5	000294:45:x	3-10	20
50	0,9	0,31	30	0,5	000294:50:x	3-10	20
55	0,85	0,26	33	0,6	000294:55:x	3-10	20
60	0,78	0,22	36	0,6	000294:60:x	3-10	20
65	0,68	0,19	39	0,7	000294:65:x	3-10	20
70	0,67	0,16	42	0,7	000294:70:x	3-10	20
75	0,62	0,14	45	0,8	000294:75:x	3-10	20
80	0,61	0,12	48	0,8	000294:80:x	3-10	20
90	0,56	0,1	54	0,8	000294:90:x	3-10	20
100	0,51	0,08	60	0,9	000294:100:x	3-10	20
110	0,48	0,07	66	0,9	000294:110:x	3-10	20
120	0,36	0,06	72	1	000294:115:x	3-10	20
125	0,33	0,05	75	1	000294:125:x	3-10	20
130	0,28	0,05	78	1,1	000294:130:x	3-10	20
140	0,25	0,04	84	1,1	000294:140:x	3-10	20
150	0,22	0,04	90	1,2	000294:150:x	3-10	20
160	0,21	0,03	96	1,2	000294:160:x	3-10	20
170	0,19	0,03	102	1,3	000294:170:x	3-10	20
175	0,185	0,03	105	1,4	000294:175:x	3-10	20
180	0,172	0,02	126	1,4	000294:180:x	3-10	20
200	0,148	0,02	140	1,6	000294:200:x	3-10	20
215	0,128	0,02	151	1,7	000294:215:x	3-10	20
225	0,115	0,02	158	1,8	000294:225:x	3-10	20
250	0,1	0,01	175	2	000294:250:x	3-10	20
275	0,08	0,01	193	2,1	000294:275:x	3-10	20

300	0,07	0,01	210	2,2	000294:300:x	3-10	20
315	0,062	0,01	221	2,2	000294:315:x	3-10	20
325	0,059	0,01	228	2,3	000294:325:x	3-10	20
350	0,056	0,01	245	2,6	000294:350:x	3-10	20
375	0,05	0,01	300	2,9	000294:375:x	3-10	20
400	0,047	0,01	320	3,1	000294:400:x	3-10	20
450	0,045	0,01	360	3,6	000294:450:x	3-10	20
500	0,043	0,01	400	4,1	000294:500:x	3-10	20
550	0,042	0,01	440	4,6	000294:550:x	3-10	20
600	0,039	0,01	480	5,1	000294:600:x	3-10	15
700	0,031	0,01	560	6	000294:700:x	3-10	15
800	0,022	0,01	640	6,9	000294:800:x	3-10	15
900	0,016	0,01	720	7,8	000294:900: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.