

Master-Clip KAPTON®

Medium and high temperature hose for temperatures up to +400°C, excellent chemical resistance



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: one-sided KAPTON®-clad glass fabric

Applications

- Suction of aggressive gases at high temperatures
- Exhaust gas routing in gauge pressure and low pressure range
- Vehicle and engine manufacturing
- Exhaust gas extraction for high-performance engine test-benches in the automotive industry

Properties

- very good temperature resistance
- very good chemical resistance (similar to Master-Clip PTFE hoses, but with much greater temperature range)
- outer chafing protection spiral
- high tension-proof connection of wall-lining and spiral via special clamp

- mechanism
- highly flexible
- good vacuum resistance
- high gas resistance in low pressure/vacuum range
- smallest bending radii
- extremely lightweight

Temperature Range

- -260°C to +400°C

Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	production length	max. production length
	bar	bar	mm	kg		m	m
50	0,9	0,37	30	0,8	000365:50:x	3-10	15
55	0,815	0,33	33	0,8	000365:55:x	3-10	15
60	0,7	0,3	36	0,8	000365:60:x	3-10	15
65	0,625	0,28	39	0,9	000365:65:x	3-10	15
70	0,55	0,25	42	0,9	000365:70:x	3-10	15
75	0,5	0,24	45	0,9	000365:75:x	3-10	15
80	0,45	0,21	48	1	000365:80:x	3-10	15
90	0,4	0,2	54	1	000365:90:x	3-10	15
100	0,35	0,16	60	1	000365:100:x	3-10	15
110	0,3	0,13	66	1,1	000365:110:x	3-10	15
120	0,28	0,11	72	1,1	000365:120:x	3-10	15
125	0,27	0,1	75	1,3	000365:125:x	3-10	15
130	0,262	0,09	78	1,3	000365:130:x	3-10	15
140	0,196	0,08	84	1,3	000365:140:x	3-10	15
150	0,172	0,07	90	1,4	000365:150:x	3-10	15
160	0,16	0,06	96	1,4	000365:160:x	3-10	15
170	0,158	0,06	102	1,4	000365:170:x	3-10	15
175	0,147	0,05	105	1,6	000365:175:x	3-10	15
180	0,132	0,05	108	1,6	000365:180:x	3-10	15
200	0,121	0,04	120	1,8	000365:200:x	3-10	15
215	0,118	0,04	151	2	000365:215:x	3-10	15
225	0,105	0,03	158	2,2	000365:225:x	3-10	15
250	0,096	0,03	175	2,5	000365:250:x	3-10	15
275	0,092	0,02	193	2,9	000365:275:x	3-10	15
300	0,081	0,02	210	3,2	000365:300:x	3-10	15
315	0,069	0,02	221	3,3	000365:315:x	3-10	15
325	0,062	0,02	228	3,5	000365:325:x	3-10	15
350	0,051	0,01	245	3,9	000365:350:x	3-10	15
375	0,041	0,01	263	4,4	000365:375:x	3-10	15
400	0,039	0,01	280	4,9	000365:400:x	3-10	15
450	0,031	0,01	360	5,7	000365:450:x	3-10	15
500	0,028	0,01	400	6,5	000365:500:x	3-10	15
550	0,025	0,01	440	7,3	000365:550:x	3-10	15
600	0,021	0,01	480	8,2	000365:600:x	3-10	15
700	0,014	0,01	560	9,6	000365:700:x	3-10	15

800	0,012	0,01	640	11	000365:800:x	3-10	15
900	0,01	0,01	720	12,5	000365:900: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.