

Master-Clip HT 500

Medium- and high temperature hose for temperatures up to +500°C



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: special-coated high-temperature fabric, one-sided clad with stainless steel foil

Applications

- Exhaust gas routing in gauge pressure and low pressure range
- Vehicle and engine manufacturing
- Exhaust gas extraction in automotive industry with higher temperature demands

Properties

- flexible
- very good temperature resistance
- outer chafing protection spiral
- flame-resistant
- small bending radius
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- limited suitability for long-term kink movements
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- good vacuum resistance
- high gas resistance in low pressure/vacuum range
- non-flammable
- extremely lightweight

Temperature Range

- -20°C to +500°C
- peaks to +550°C

Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	stock length	max. production length
	bar	bar	mm	kg		m	m
75	0,62	0,25	45	1,44	000306:75:x	3-10	10
80	0,61	0,22	48	1,53	000306:80:x	3-10	10
90	0,56	0,21	54	1,72	000306:90:x	3-10	10
100	0,51	0,17	60	1,98	000306:100:x	3-10	10
110	0,48	0,14	66	2,17	000306:110:x	3-10	10
120	0,36	0,12	72	2,2	000306:120:x	3-10	10
125	0,33	0,1	75	2,45	000306:125:x	3-10	10
130	0,28	0,1	78	2,54	000306:130:x	3-10	10
140	0,25	0,09	84	2,73	000306:140:x	3-10	10
150	0,22	0,08	90	2,92	000306:150:x	3-10	10
160	0,21	0,07	96	3,11	000306:160:x	3-10	10
170	0,19	0,06	102	3,33	000306:170:x	3-10	10
175	0,185	0,06	105	3,43	000306:175:x	3-10	10
180	0,172	0,05	108	3,52	000306:180:x	3-10	10
200	0,148	0,04	120	3,9	000306:200:x	3-10	10
215	0,128	0,04	151	3,12	000306:215:x	3-10	10
225	0,115	0,03	158	3,26	000306:225:x	3-10	10
250	0,1	0,03	175	3,62	000306:250:x	3-10	10
275	0,08	0,02	193	3,97	000306:275:x	3-10	10
300	0,07	0,02	210	4,32	000306:300:x	3-10	10
315	0,062	0,02	221	4,53	000306:315:x	3-10	10
325	0,059	0,02	228	4,67	000306:325:x	3-10	10
350	0,056	0,02	245	5,03	000306:350:x	3-10	10
375	0,05	0,01	263	5,41	000306:375:x	3-10	10
400	0,047	0,01	280	5,76	000306:400:x	3-10	10
450	0,045	0,01	360	6,46	000306:450:x	3-10	6
500	0,043	0,01	400	7,17	000306:500:x	3-10	6
550	0,042	0,01	440	7,87	000306:550:x	3-10	6
600	0,039	0,01	480	8,58	000306:600:x	3-10	6
700	0,031	0,01	560	9,98	000306:700:x	3-10	6
800	0,022	0,01	640	11,39	000306:800:x	3-10	6
900	0,016	0,01	720	12,8	000306:900:x	3-10	6

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.