

Master-Clip HT 450

Exhaust Gas Hose
for exhaust gas
temperatures up to +450
°C, double-layered



Material

clip profile spiral: hot-dip galvanised steel band
wall: double-layered, inner layer with heat resistant impregnated glass fabric and outer layer with special-coated high-temperature fabric reinforced with integrated VA wire

Applications

- Machine manufacturing
- Vehicle manufacturing
- Low pressure range
- Smoke extractors
- Defence systems
- Aircraft manufacturing
- Diesel engine test-benches with higher extraction performance
- Hot air conveyance
- Engine manufacturing
- Exhaust gas extraction

Properties

- small bending radii
- hardly inflammable
- withstands high mechanical loads
- abrasion-resistant
- extremely flexible
- outer chafing protection spiral
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- adheres to TRBS 2153 (Zone 1, 21) for non-flammable dusts and gases with low conductivity for dissipation of electrostatic charges with double-ended grounding of clips and gradient of < 30 mm (see chapter 17.10.5)
- very good temperature resistance
- primarily suitable as exhaust hose
- increased vacuum resistance via integrated reinforcement components

Temperature Range

- -20°C to +450°C
- peaks to +500°C

DN	vacuum c. mmWC	bend radius c. mm*	weight c. kg/m	article no.			
50	3520	30	0,59	231-050-111			
55	2920	33	0,65	231-055-111			
60	2450	36	0,63	231-060-111			
65	2090	39	0,68	231-065-111			
70	1760	42	0,73	231-070-111			
75	1540	45	0,78	231-075-111			
80	1380	48	0,83	231-080-111			
90	1100	54	0,93	231-090-111			
100	880	60	1,2	231-100-111			
110	730	66	1,31	231-110-111			
120	620	72	1,43	231-120-111			
125	550	75	1,48	231-125-111			
130	520	78	1,54	231-130-111			
140	460	84	1,65	231-140-111			
150	400	90	1,76	231-150-111			
160	350	96	1,87	231-160-111			
170	310	102	1,99	231-170-111			
175	290	105	2,04	231-175-111			
180	270	108	2,1	231-180-111			
200	220	120	2,32	231-200-111			
215	200	151	2,78	231-215-111			
225	180	158	2,9	231-225-111			
250	150	175	3,21	231-250-111			
275	120	193	3,52	231-275-111			
300	100	210	3,83	231-300-111			
315	90	221	4,01	231-315-111			
325	85	228	4,14	231-325-111			
350	75	245	4,45	231-350-111			
375	65	263	4,78	231-375-111			
400	55	280	5,09	231-400-111			
450	45	360	5,71	231-450-111			
500	35	400	6,33	231-500-111			
550	30	440	6,94	231-550-111			
600	25	480	7,56	231-600-111			
700	20	560	8,8	231-700-111			
800	16	640	10,03	231-800-111			
900	12	720	11,27	231-900-111			

All data refers to a media and ambient temperature of +20 °C

* refers to the inside of the hose

Order-specific production in above listed sizes and lengths of 3m or 6m, available within 48 hrs on request.
Available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.
Subject to technical changes and colour deviations.