

MEDIUM/HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +750°F

Master-Clip HT 750

Material

Hose wall double layer:

Inner hose wall: heat resistant impregnated glass fabric

Outer hose wall: special coated high temperature fabric, asbestos free, reinforced by woven in stainless steel wire

External helix: galvanized steel

Applications

- Hot air
- Suction plants
- Furnace construction
- Iron and steel works
- Engine construction
- Radiant heat protection
- Primarily suited as extraction hose
- Low pressure applications

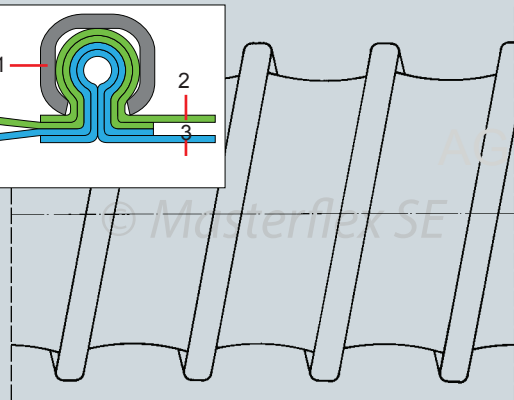
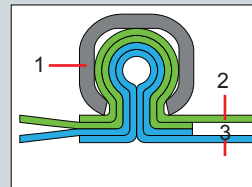
Properties

- Flame-resistant
- Very high temperature resistance
- Highly flexible
- Extreme compressibility 1:6
- Small bend radius
- Silicone-free
- Improved vacuum resistance by woven in reinforcement
- External steel helix protects against abrasion
- Suitable for continually flexing
- Special clamping method guarantees high tensile strength between hose material and external helix
- To maximize life of duct and exhaust system effectiveness, it is recommended to utilize a negative pressure exhaust system and introduce ambient air at the inlet.



Construction

1. External helix
2. Hose wall: special-coated high temperature fabric
3. Inner wall: heat resistant impregnated glass fabric



Temperature Range

- -5°F up to +750°F
- Intermittent to +840°F
- Small amounts of smoke maybe given off when used under positive pressure or with low extraction rates.

Master-Clip HT 750

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
2.00	342	141	1.20	0.50	227-050-119
2.50	237	84	1.56	0.57	227-063-119
3.00	189	62	1.80	0.65	227-075-119
3.50	143	44	2.16	0.74	227-090-119
4.00	121	35	2.40	0.84	227-100-119
4.50	104	29	2.64	0.95	227-115-119
5.00	84	22	3.00	1.05	227-125-119
5.50	70	18	3.36	1.10	227-140-119
6.00	63	16	3.60	1.15	227-150-119
6.40	56	14	3.84	1.21	227-160-119
7.00	49	12	4.20	1.27	227-175-119
8.00	40	9	4.80	1.53	227-200-119
9.00	33	7	6.32	1.73	227-225-119
10.00	28	6	7.00	1.92	227-250-119
11.00	24	5	7.72	INQ	227-275-119
12.00	21	4	8.40	2.31	227-300-119
13.00	18	3	9.12	INQ	227-325-119
14.00	16	3	9.80	2.77	227-350-119
15.00	14	3	10.52	INQ	227-375-119
16.00	13	2	11.20	3.33	227-400-119
18.00	11	2	14.40	4.00	227-450-119
20.00	9	1	16.00	4.80	227-500-119
22.00	8	1	17.60	INQ	227-550-119
24.00	7	1	19.20	5.76	227-600-119
28.00	6	1	22.40	6.91	227-700-119
32.00	4	1	25.60	8.30	227-800-119
36.00	4	1	28.80	9.95	227-900-119

*Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68° F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

Standard Production

- Diameter: 2" to 36"
- Color: inside silver, outside red
- Standard lengths: 25'

Available on Request

- Special colors
- Special lengths
- Custom design with other pitches and helix sizes
- External helix also in stainless steel
- Special diameters metric

Installation and connection possibilities



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

Masterduct, Inc.
5235 Ted Street
Houston, TX 77040
USA
Tel. +1 713 462-5779
Tel. +1 800 318-3300
Fax +1 713 939-8441
www.masterduct.com