

# MEDIUM/HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +850°F

## Master-Clip HT 850

### Material

Hose wall: high temperature silicone coated glass fabric  
External helix: galvanized steel

### Applications

- Vehicle exhaust systems (esp. Diesel engines)
- Suction plants
- Hot air conveyance
- Furnace construction
- Iron and steel works
- Engine manufacturing
- All normal exhaust extraction systems, such as, hose reel, slotted channels, above-floor and under-floor, suction extraction

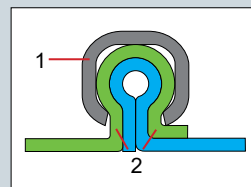
### Properties

- Flame-resistant
- Very high temperature resistance
- Highly flexible
- Extreme compressibility 1:6
- Small bend radius
- Improved vacuum resistance
- External steel helix protects against abrasion
- Suitable for continually flexing
- Does not emit airborne fibers
- 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: high temperature silicone coated glass fabric, asbestos free



### Temperature Range\*

- -5°F up to +850°F
- Intermittent to +950°F

\*Hoses used for vehicle exhaust extraction, or operating near maximum temperature, must be used within a properly designed fan system to avoid damaging the hose.

# Master-Clip HT 850

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
3.00	189	62	1.80	0.65	243-075-119
4.00	121	35	2.40	0.85	243-100-119
5.00	84	22	3.00	1.17	243-125-119
6.00	63	16	3.60	1.28	243-150-119
7.00	49	12	4.20	1.49	243-175-119
8.00	40	9	4.80	1.70	243-200-119
10.00	28	6	7.00	2.13	243-250-119
12.00	21	4	8.40	2.56	243-300-119
14.00	16	3	9.80	2.99	243-350-119
16.00	13	2	11.20	3.46	243-400-119
18.00	18	2	14.40	2.82	243-450-119
20.00	7	2	16.00	3.15	243-500-119
22.00	17	2	17.60	3.56	243-550-119
24.00	16	1	19.20	3.96	243-600-119
28.00	12	1	22.40	4.63	243-700-119
32.00	9	1	25.60	5.10	243-800-119
36.00	6	1	28.80	5.50	243-900-107

\*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: 3" to 16"
- Color: orange
- Standard lengths: 25'

## Available on Request

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

## Installation and connection possibilities



Clip-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