

# MEDIUM/HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +1500°F

## Master-Clip HT 1500

### Material

Hose wall: Two-layer construction, inner and outer hose wall asbestos-free, high-temperature fabric, specially coated with heat-stabilizers, reinforced by woven in stainless steel wire  
External helix: galvanized steel

### Applications

- Exhaust fume extraction from high performance test beds in the motor vehicle industries
- Diesel exhaust
- Automotive manufacturing
- Aircraft manufacturing
- Furnace construction
- Iron and steel works
- Infrared dryer plants
- Shipbuilding industry
- Defense industry
- General engineering
- Suction plants
- Radiant heat protection
- Primarily suited as extraction hose
- Low pressure applications

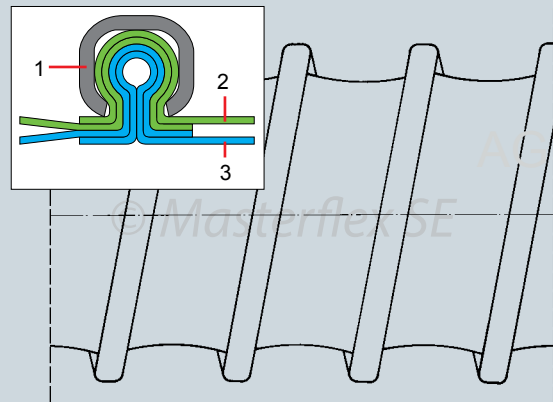
### Properties

- Flame-resistant
- Very high temperature resistance
- Silicone-free
- Highly flexible
- Compressibility 1:3
- Small bend radius
- Good vacuum resistance
- External steel helix protects against abrasion
- 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. Outer wall: special coated high-temperature fabric
3. Inner wall: special coated high-temperature fabric



### Temperature Range

- -5°F up to +1500°F\*
- Intermittent to +1680°F
- Small amounts of smoke maybe given off when used under positive pressure or with low extraction rates.

\*Hoses used for vehicle exhaust extraction should be used within a properly designed, negative pressure fan system to avoid damaging the hose. Please consult your local vehicle exhaust representative for more details.

# Master-Clip HT 1500

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
3.00	201	102	1.80	0.83	232-075-111
3.50	161	84	2.16	0.94	232-090-111
4.00	141	67	2.40	1.07	232-100-111
4.50	121	56	2.64	1.20	232-115-111
5.00	109	42	3.00	1.33	232-125-111
5.50	79	35	3.36	1.46	232-140-111
6.00	69	30	3.60	1.58	232-150-111
6.40	64	27	3.84	1.72	232-160-111
7.00	59	22	4.20	1.85	232-175-111
8.00	49	17	4.80	2.10	232-200-111
9.00	42	14	6.32	2.37	232-225-111
10.00	39	12	7.00	2.63	232-250-111
11.00	37	9	7.72	INQ	232-275-111
12.00	33	8	8.40	3.16	232-300-111
13.00	25	7	9.12	INQ	232-325-111
14.00	20	6	9.80	3.67	232-350-111
15.00	16	5	10.52	INQ	232-375-111
16.00	16	4	11.20	4.26	232-400-111
18.00	12	4	14.40	4.94	232-450-111
20.00	11	3	16.00	5.72	232-500-111
22.00	10	2	17.60	INQ	232-550-111
24.00	8	2	19.20	6.65	232-600-111
28.00	6	2	22.40	7.78	232-700-111
32.00	5	1	25.60	9.03	232-800-111
36.00	4	1	28.80	10.47	232-900-111

\*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 36"
- Color: silver
- 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