

# MEDIUM AND 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

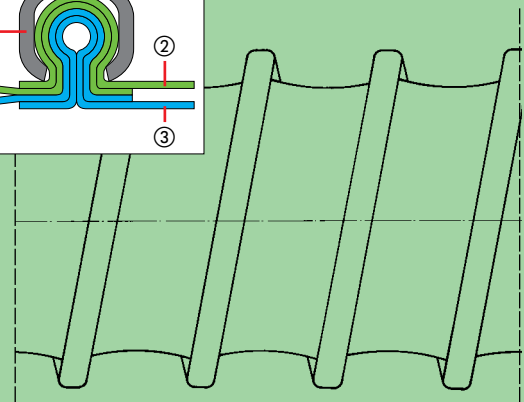
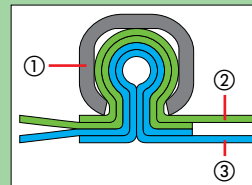
- exhaust-fume extraction from high performance test beds in the motor vehicle industries
- vehicle and engine construction
- suction plants
- shipbuilding industries
- aircraft and defense industries
- general engineering
- furnace construction
- iron and steel works
- infrared-dryer plants
- radiant heat protection
- low pressure applications
- diesel exhaust

### Properties

- very high temperature resistance
- flame resistant: UL94, VO
- improved vibration resistance by woven-in reinforcement
- flexible, compressibility 1:3
- small bend radius
- good vacuum-resistance
- silicone free
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

### Construction

- ① external helix hose wall:
- ② outside: and
- ③ inside: special-coated high temperature fabric



### Temperature Range

- -75°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

Technical Data, custom designs and forms of delivery see back page



**Masterduct**  
Member of the Masterflex-Group

# 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

## Delivery forms:

### Standard production:

- Other diameters available
- Color: silver
- Production lengths 25'

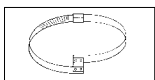
### Available on request:

- special colors
- special lengths
- custom design with other pitches and helix sizes
- external helix also in stainless steel
- special diameters - metric

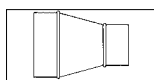
\* Referring to the inner side of the elbow of hose.

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.

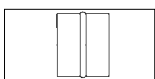
## Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector