

# MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +2010°F



## MASTER-CLIP HT 2010

### Material

**hose wall:** three-layer construction, asbestos-free high-temperature fabric, special coated with heat-stabilizers

**external helix:** stainless steel

### Applications

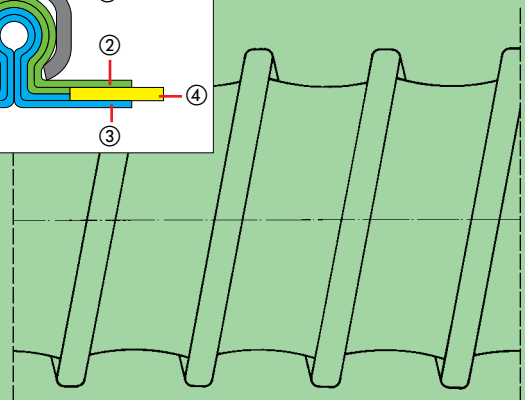
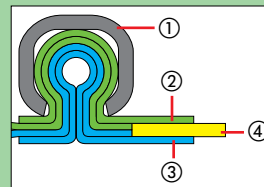
- extremely high temperatures
- exhaust-fume extraction from large engines
- extraction under stray sparks
- shipbuilding industries
- vehicle and engine construction
- suction plants
- aircraft and defense industries
- general engineering
- furnace construction
- iron and steel works
- exhaustion-fume extraction from high performance test beds in the motor vehicle industries
- extraction of aircraft engine fumes
- radiant heat protection
- low pressure applications
- diesel exhaust

### Properties

- very high temperature resistance
- flame resistant: UL94, VO
- silicone free
- flexible; compressibility 1:2
- small bend radius
- 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 layer: special coated high temperature fabric with heat stabilizers
- ③ inside layer: fine stainless steel mesh
- ④ middle layer: special insulating fabric



### Temperature Range

- -75°F up to +2010°F
- intermittent to +2370°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 2010

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
3.00	201	122	1.80	1.00	230-075-119
3.50	161	100	2.16	1.14	230-090-119
4.00	141	81	2.40	1.29	230-100-119
4.50	121	67	2.64	1.45	230-115-119
5.00	109	50	3.00	1.60	230-125-119
5.50	79	42	3.36	1.77	230-140-119
6.00	69	37	3.60	1.93	230-150-119
6.40	64	32	3.84	2.09	230-160-119
7.00	59	27	4.20	2.24	230-175-119
8.00	49	20	5.60	2.57	230-200-119
9.00	42	17	6.32	2.89	230-225-119
10.00	39	14	7.00	3.20	230-250-119
11.00	37	11	7.72	INQ	230-275-119
12.00	33	9	8.40	3.85	230-300-119
13.00	25	8	9.12	INQ	230-325-119
14.00	20	7	9.80	4.49	230-350-119
15.00	16	6	12.00	INQ	230-375-119
16.00	16	6	12.80	5.25	230-400-119
18.00	12	4	14.40	6.15	230-450-119
20.00	11	4	16.00	7.19	230-500-119
22.00	10	3	17.60	INQ	230-550-119
24.00	8	2	19.20	8.40	230-600-119
28.00	6	2	22.40	9.83	230-700-119
32.00	5	2	25.60	11.50	230-800-119
36.00	4	1	28.80	13.50	230-900-119

## Delivery forms:

### Standard production:

- Dia. 3" - 36"
- Color; outside red
- Production lengths 25'

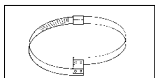
### Available on request:

- special colors
- special lengths
- custom design with other pitches and helix sizes
- special diameters - metric

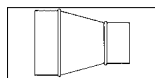
\* Referring to the inner side of the elbow of hose.

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.

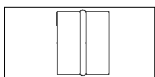
## Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector