

# MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +570°F



## MASTER-CLIP SILICON H

### Material

hose wall: silicon-coated glass fabric

external helix: galvanized steel

### Applications

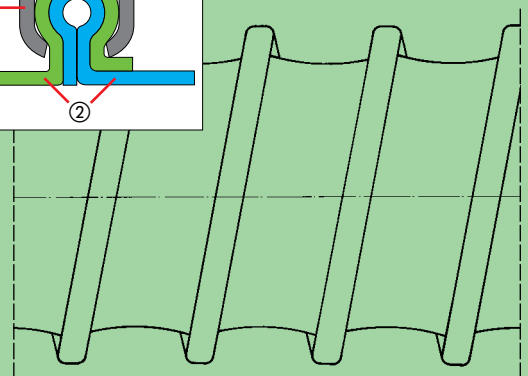
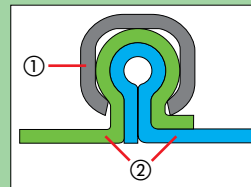
- hot air
- extraction equipment
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- higher vacuum applications

### Properties

- very high temperature resistance
- flame resistant
- highly flexible
- extreme compressibility 1:6
- small bend radius
- vibration resistant
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

### Construction

- ① external helix
- ② hose wall: silicon-coated glass fabric



### Temperature Range

- -75°F up to +570°F
- intermittent to +625°F
- When used in exhaust gas systems, gas funnels should be used properly and enough fresh air should be utilized.

### Chem. Resistance

see resistance table

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



**Masterduct**  
Member of the Masterflex-Group

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Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
3.00	189	62	1.80	0.6978	233-075-116
3.50	143	44	2.16	0.7783	233-090-116
4.00	121	35	2.40	0.7783	233-100-116
4.50	104	29	2.64	0.8756	233-115-116
5.00	84	20	3.00	0.9729	233-125-116
5.50	70	18	3.36	1.0700	233-140-116
6.00	63	16	3.06	1.2950	233-150-116
6.40	56	14	3.84	1.2648	233-160-116
7.00	49	12	4.20	1.3084	233-175-116
8.00	40	9	4.80	1.5996	233-200-116
9.00	33	7	6.32	1.9750	233-225-116
10.00	28	6	7.00	2.3672	233-250-116
11.00	24	5	7.72	2.5642	233-275-116
12.00	21	4	8.40	2.7618	233-300-116
13.00	18	3	9.12	3.5509	233-325-116
14.00	16	3	9.80	3.8468	233-350-116
15.00	14	3	10.52	4.4386	233-375-116
16.00	13	2	11.20	5.0304	233-400-116
18.00	11	2	14.40	5.7209	233-450-116
20.00	9	1	16.00	6.3127	233-500-116
22.00	8	1	17.60	7.3977	233-550-116
24.00	7	1	19.20	8.4827	233-600-116
28.00	6	1	22.40	9.6670	233-700-116
32.00	4	1	25.60	10.8750	233-800-116
36.00	4	1	28.80	12.2650	233-900-116

## Delivery forms:

### Standard production:

- Dia. 3" - 36"
- Color: silver gray
- Production lengths 25'

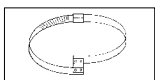
### Available on request:

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

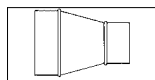
\* Referring to the inner side of the elbow of hose.

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.

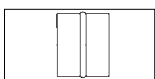
## Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector