

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

## Master-Clip SILICONE

### Material

Hose wall: silicone-coated glass fabric  
External helix: galvanized steel

### Applications

- Machine manufacturing
- Automotive manufacturing
- Defense systems
- Aircraft manufacturing
- Engine manufacturing
- General engineering
- Hot and cold air conveyance
- Extractor units
- Low pressure applications

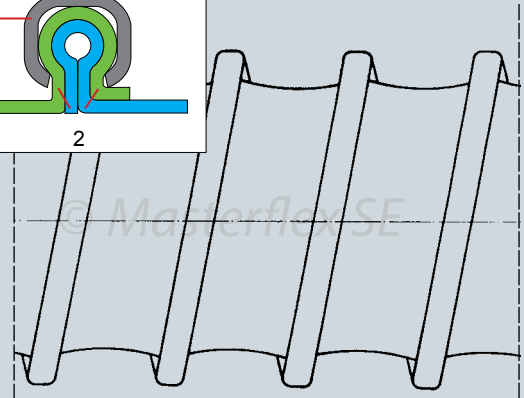
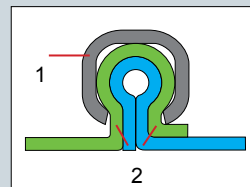
### Properties

- Flame-resistant
- Very high temperature resistance
- Highly flexible
- 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
- 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.
- Masterduct does not recommend Master-Clip Silicone for diesel applications



### Construction

1. External helix
2. Outer wall: silicone-coated glass fabric



### Temperature Range

- -75°F up to +570°F\*
- Intermittent to +625°F

### Chem. Resistance

- See resistance table

\*Hoses operating near maximum temperature range should be used with proper fresh air intake to avoid damaging the hose. Please consult your local representative for more details.

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Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
2.50	237	76	1.56	0.3355	223-063-116
3.00	189	56	1.80	0.4026	223-075-116
3.50	143	40	2.16	0.4026	223-090-116
4.00	121	32	2.40	0.4026	223-100-116
4.50	104	26	2.64	0.4697	223-115-116
5.00	84	20	3.00	0.5368	223-125-116
5.50	70	16	3.36	0.5368	223-140-116
6.00	63	14	3.60	0.6039	223-150-116
6.40	56	12	3.84	0.6039	223-160-116
7.00	49	10	4.20	0.6710	223-175-116
8.00	40	8	4.80	0.8052	223-200-116
9.00	33	6	6.32	0.9394	223-225-116
10.00	28	5	7.00	1.0736	223-250-116
11.00	24	4	7.72	1.2749	223-275-116
12.00	21	4	8.40	1.4091	223-300-116
13.00	18	3	9.12	1.4762	223-325-116
14.00	16	3	9.80	1.6775	223-350-116
15.00	14	2	10.52	1.9459	223-375-116
16.00	13	2	11.20	2.0801	223-400-116
18.00	11	2	14.40	2.4156	223-450-116
20.00	9	1	16.00	2.7511	223-500-116
22.00	8	1	17.60	3.0866	223-550-116
24.00	7	1	19.20	3.4221	223-600-116
28.00	6	1	22.40	4.0260	223-700-116
32.00	4	1	25.60	4.6299	223-800-116
36.00	4	1	28.80	5.2338	223-900-116

\*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: 2.5" to 36"
- Color: silver-gray
- 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