

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

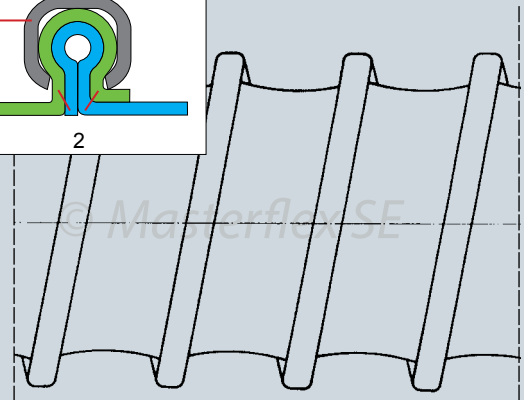
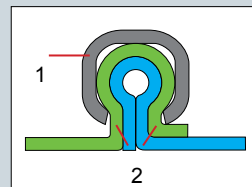
Properties

- 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.

Master-Clip SILICONE

| 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

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