

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



MASTER-CLIP SILICON

Material

hose wall: silicon-coated glass fabric

external helix: galvanized steel

Applications

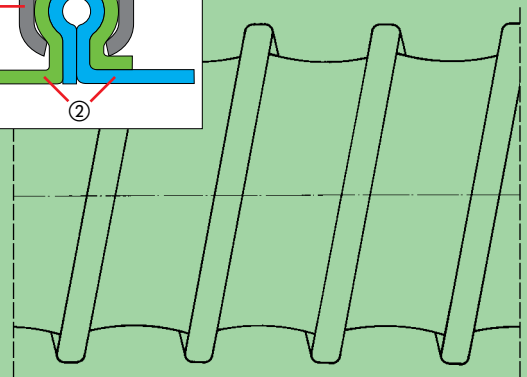
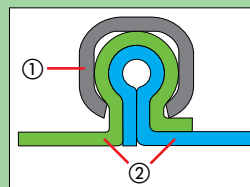
- hot air
- extraction equipment
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- low pressure applications
- Masterduct does not recommend silicon for diesel applications

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

MASTER-CLIP SILICON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.00	342	128	1.20	0.2684	223-050-116
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	3.06	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

Delivery forms:

Standard production:

- Dia. 2" - 36"
- Color: silver gray
- Production lengths 25'

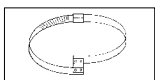
Available on request:

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

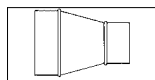
* Referring to the inner side of the elbow of hose.

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.

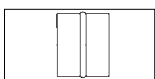
Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector