

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



MASTER-CLIP ISO-SILICON

Material

inner hose wall: heat resistant impregnated glass fabric,

outer hose wall: silicon-coated glass fabric

external helix: galvanized steel

Applications

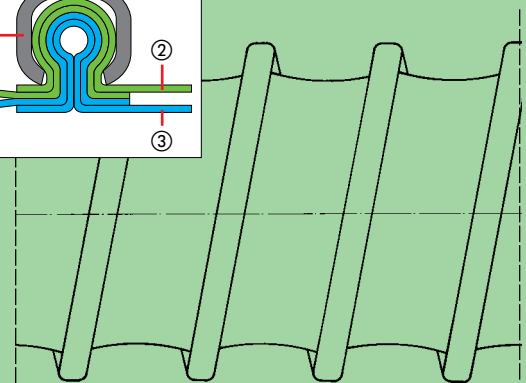
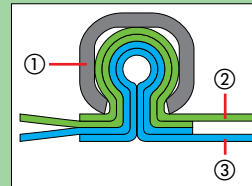
- hot air
- suction plants with improved extraction capacity
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- low pressure applications
- Masterduct does not recommend silicon for diesel applications

Properties

- very high temperature resistance
- flame resistant
- highly flexible
- extreme compressibility 1:4
- small bend radius
- good vacuum-resistance
- 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 outer hose wall: silicon-coated glass fabric
- ③ inner hose wall: heat resistant impregnated 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 ISO-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	224-050-116
2.50	237	76	1.56	0.3355	224-063-116
3.00	189	56	1.80	0.4026	224-075-116
3.50	143	40	2.16	0.4026	224-090-116
4.00	121	32	2.40	0.4026	224-100-116
4.50	104	26	2.64	0.4697	224-115-116
5.00	84	20	3.00	0.5368	224-125-116
5.50	70	16	3.36	0.5368	224-140-116
6.00	63	14	3.60	0.6039	224-150-116
6.40	56	12	3.84	0.6039	224-160-116
7.00	49	10	4.20	0.6710	224-175-116
8.00	40	8	4.80	0.8052	224-200-116
9.00	33	6	6.32	0.9394	224-225-116
10.00	28	5	7.00	1.0736	224-250-116
11.00	24	4	7.72	1.2749	224-275-116
12.00	21	4	8.40	1.4091	224-300-116
13.00	18	3	9.12	1.4762	224-325-116
14.00	16	3	9.80	1.6775	224-350-116
15.00	14	2	10.52	1.9459	224-375-116
16.00	13	2	11.20	2.0801	224-400-116
18.00	11	2	14.40	2.4156	224-450-116
20.00	9	1	16.00	2.7511	224-500-116
22.00	8	1	17.60	3.0866	224-550-116
24.00	7	1	19.20	3.4221	224-600-116
28.00	6	1	22.40	4.0260	224-700-116
32.00	4	1	25.60	4.6299	224-800-116
36.00	4	1	28.80	5.2338	224-900-116

Delivery forms:

Standard production:

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

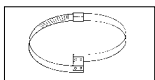
Available on request:

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

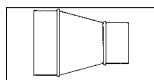
* Referring to the inner side of the elbow of hose.

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.

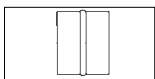
Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector