

EXHAUST GAS HOSE FOR TEMPERATURES UP TO +570°F

Master-Clip CAR

Material

Hose wall: special-coated high temperature fabric
External helix: galvanized steel

Applications

- Machine manufacturing
- Automotive manufacturing
- Aircraft manufacturing
- Suction plants
- Fume exhaust (esp. Diesel engines)
- Defense systems
- General engineering
- Extractor units
- Hot air
- Smoke extractors
- Low pressure applications

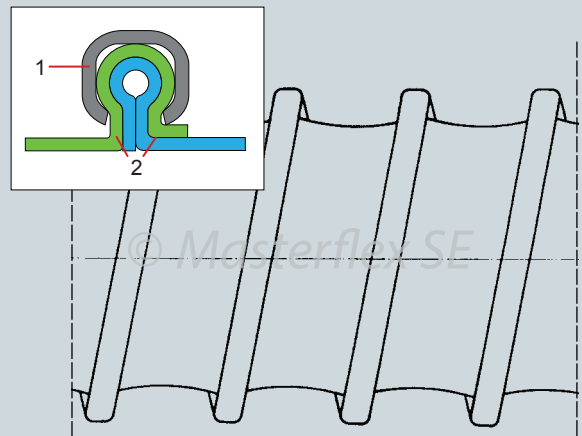
Properties

- Flame-resistant
- Very good temperature resistance
- Vibration-proof
- High resistance to mechanical loads
- Highly flexible
- Compressibility 1:6
- Small bend radius
- Extremely lightweight
- Abrasion-resistant
- Primarily suitable as exhaust hose
- 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.



Construction

1. External helix
2. Wall: special-coated high temperature fabric



Temperature Range

- -75°F up to +570°F
- Intermittent to +660°F

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Sales@TotalAirEnergy.com
www.TotalAirEnergy.com
Phone 206.265.1702
Fax 206.892.9644
PO Box 1348, Vashon, WA 98070

MASTERDUCT
Connecting Values

Master-Clip CAR

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
2.00	362	128	1.20	0.3355	225-050-120
2.50	273	76	1.56	0.4697	225-063-120
3.00	249	56	1.80	0.5368	225-075-120
3.50	225	40	2.16	0.5368	225-090-120
4.00	205	32	2.40	0.6039	225-100-120
4.50	193	26	2.64	0.6039	225-115-120
5.00	133	20	3.00	0.6710	225-125-120
5.50	100	16	3.36	0.7381	225-140-120
6.00	88	14	3.60	0.8052	225-150-120
6.40	84	12	3.84	0.8052	225-160-120
7.00	74	10	4.20	0.9394	225-175-120
8.00	59	8	5.60	1.0736	225-200-120
9.00	46	6	6.32	1.2078	225-225-120
10.00	40	5	7.00	1.3420	225-250-120
11.00	32	4	7.72	1.4091	225-275-120
12.00	28	4	8.40	1.4762	225-300-120
13.00	24	3	9.12	1.5433	225-325-120
14.00	23	3	9.80	1.7446	225-350-120
15.00	20	2	12.00	1.9459	225-375-120
16.00	19	2	12.80	2.0801	225-400-120
18.00	18	2	14.40	2.4156	225-450-120
20.00	17	1	16.00	2.7511	225-500-120
22.00	17	1	17.60	3.0866	225-550-120
24.00	16	1	19.20	3.4221	225-600-120
28.00	12	1	22.40	4.0260	225-700-120
32.00	9	1	25.60	4.6299	225-800-120
36.00	6	1	28.80	5.2338	225-900-120

*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" to 36"
- Color: inside black, outside green
- Standard lengths: 25'

Available on Request

- Special lengths
- Custom design with other pitches and helix sizes
- External helix also in stainless steel
- Double layer construction with raised vacuum resistance (up to 30% more than single layer standard hose types)
- Special diameters metric

Installation and connection possibilities



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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