

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



5.1.7

## MASTER-CLIP ISO-CAR

### Material

**hose wall:** two-layers, inner and outer layer special-coated high-temperature fabric  
**external helix:** galvanized steel

### Applications

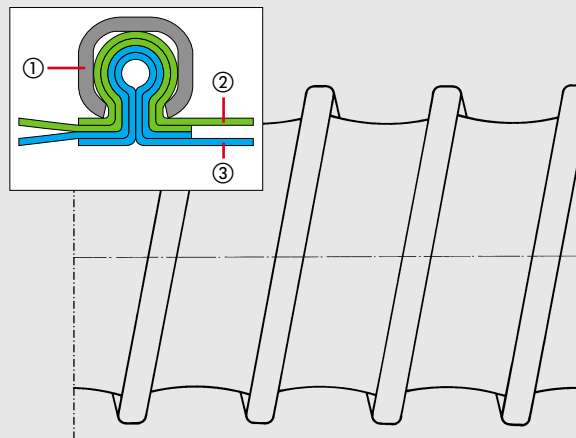
- hot air
- suction plants
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- diesel engine test beds with raised extraction speed
- low pressure applications

### Properties

- primarily suited as suction hose
- very good temperature resistance
- flame resistant
- high resistance to mechanical loadings
- vibration resistant
- abrasion resistant
- flexible
- compressibility 1:4
- small bend radius
- good vacuum characteristics
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

### Construction

- ① external helix
- hose wall:
- ② inside and
- ③ outside: special-coated high temperature fabric



### Temperature Range

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

Technical Data, custom designs and forms of delivery see back page



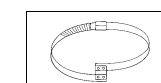
## MASTER-CLIP ISO-CAR

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	156	1.20	0.4026	226-050-120
2.2	342	134	1.32	0.4697	226-055-120
2.4	313	117	1.44	0.4697	226-060-120
2.6	273	105	1.56	0.5368	226-065-120
2.8	269	91	1.68	0.6039	226-070-120
3.0	249	85	1.80	0.6710	226-075-120
3.2	245	76	1.92	0.6710	226-080-120
3.6	225	66	2.16	0.8052	226-090-120
4.0	205	53	2.40	0.8723	226-100-120
4.4	193	44	2.64	0.8723	226-110-120
4.8	145	37	2.88	0.9394	226-120-120
5.0	133	33	3.00	0.9394	226-125-120
5.2	113	31	3.12	1.0736	226-130-120
5.6	100	28	3.36	1.0736	226-140-120
6.0	88	24	3.60	1.2078	226-150-120
6.4	84	22	3.84	1.2078	226-160-120
6.8	76	19	4.08	1.3420	226-170-120
7.0	74	18	4.20	1.4091	226-175-120
7.2	69	16	5.04	1.4091	226-180-120
8.0	59	13	5.60	1.6104	226-200-120
8.6	51	12	6.04	1.2749	226-215-120
9.0	46	11	6.32	1.3420	226-225-120
10.0	40	9	7.00	1.4762	226-250-120
11.0	32	7	7.72	1.5433	226-275-120
12.0	28	6	8.40	1.6104	226-300-120
12.6	25	6	8.84	1.6104	226-315-120
13.0	24	5	9.12	1.6775	226-325-120
14.0	23	5	9.80	1.9459	226-350-120
15.0	20	4	12.00	2.1472	226-375-120
16.0	19	3	12.80	2.2814	226-400-120
18.0	18	3	14.40	2.6840	226-450-120
20.0	17	2	16.00	3.0195	226-500-120
22.0	17	2	17.60	3.4221	226-550-120
24.0	16	2	19.20	3.7576	226-600-120
28.0	12	1	22.40	4.4286	226-700-120
32.0	9	1	25.60	5.0996	226-800-120
36.0	6	1	28.80	5.7706	226-900-120

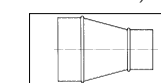
\* Referring to the inner side of the elbow of hose.

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.

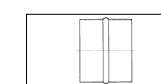
Installation and connection possibilities (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

Standard production:

- Dia. 2" - 36"
- Color: inside silver-grey outside green-grey
- Standard lengths 10', 25'

Available on request:

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