

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

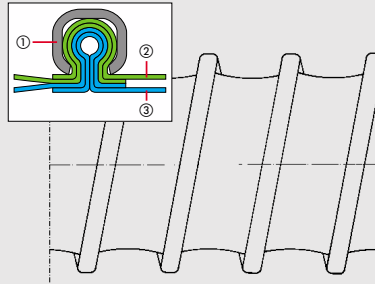
- hot air
- suction plants
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- diesel engine test beds with raised extraction speed
- low pressure applications

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
- ② hose wall:
- ③ inside and 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.

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

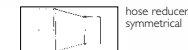


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Installation and connection possibilities (see section no. 11 and 12):



SPECIAL HOSE CLAMP FOR MASTER-CLIP HOSES



CLIP-GRIP

Material

clamp band: galvanized steel
screw casing: galvanized steel
bridge: galvanized steel

Properties

- rust resistant
- easy to install
- extra strength

Applications

- special hose clamps for securing all types of hoses from the MASTER-CLIP series on mobile and stationary units

Construction

- hose clamp with one or more worm drive(s)
- with a hexagon head screw
- with one or more spot-welded bridges



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

CLIP-GRIP

For MASTER-CLIP hoses (Dia.)	Clamping range (in.)	Product code
1.52" thru 36"	1.52" thru 36"	530-038-100 thru 530-900-100

Note:

CLIP-GRIP worm drive hose clamps are only suitable for securing MASTER-CLIP hoses. We recommend our standard worm drive hose clamps or heavy duty bolted clamps for securing other spiral hoses.

Delivery forms:

Standard production:

- clamping ranges from 1.52" - 36.2"

Available on request:

- in stainless steel
- other clamping ranges
- reinforced clamps with additional bridges



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CARFLEX SUPER + MASTER-PUR STEP



11.2

CAR-GRIP

Material

clamp band: galvanized steel
screw casing: galvanized steel
bridge: stainless steel

Properties

- rust resistant
- easy to install
- extra strength

Applications

- special hose clamps for securing CARFLEX SUPER and MASTER-PUR STEP hoses on mobile and stationary units

Construction

Hose clamp with worm drive with hexagon recessed head screw and spot-welded bridge



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

CAR-GRIP

for CARFLEX-SUPER and MASTER-PUR STEP (Dia.)	Clamping range (in.)	Product code
2.4" thru 10"	2.4" thru 12"	531-060-100 thru 531-250-100

Note:

CAR-GRIP worm drive hose clamps are only suitable for securing CARFLEX SUPER hoses. We recommend our standard worm drive hose clamps or heavy duty bolted clamps for securing other spiral hoses.

Delivery forms:

Standard production:
 ● clamping ranges from 2.4" - 12"

Available on request:

- in stainless steel
- other clamping ranges



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HOSE CLAMP, BOLT CLAMP



11.3

HOSE CLAMP, BOLT CLAMP

Material

clamp band: galvanized steel
screws: galvanized steel

Applications

- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

Properties

- rust resistant
- extra strength
- band width .70" - 1.0"
- band thickness .023" - .063"

Construction

Large strip hose clamp with fastening lug



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

HOSE CLAMP, BOLT CLAMP

Clamping range (in.)	Width x thickness (in.)	Product code
1.25" thru 20"	.80" x .03" thru 1.00" x .04"	621-032-115 thru 621-500-115

Note:

Heavy duty bolted clamps are suitable for the mounting of medium and heavy weight spiral hose types. For the mounting of lightweight hose qualities we recommend worm drive hose clamps.

Delivery forms:

Standard production:
● clamping ranges from 1.25" - 20"

Available on request:

- in stainless steel
- other clamping ranges



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HOSE CLAMP WITH WORM GEAR DRIVE



11.4

HOSE CLAMP WITH WORM GEAR DRIVE

Material

clamp band: galvanized steel
screw casing: galvanized steel

Properties

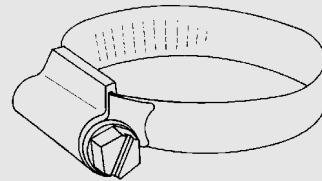
- rust resistant
- extra strength

Applications

- for attaching light spiral hoses onto connecting branches on mobile and stationary units

Construction

one-piece hose band clamps with a hexagon head screw, recessed



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

HOSE CLAMP WITH WORM GEAR DRIVE

Clamping range (in.)	Product code
1" thru 20"	620-025-100 thru 620-500-100

Delivery forms:

Standard production:
● clamping ranges from 1" - 20"

Available on request:

- in stainless steel
- other clamping ranges

Note:

Worm drive hose clamps are suitable for the mounting of lightweight spiral hose types. For the mounting of heavy weight hose qualities we recommend the heavy duty bolted clamps.



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HOSE REDUCER



11.5

HOSE REDUCER

Material

galvanized steel

Applications

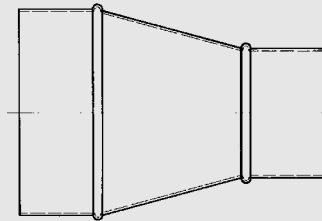
- for extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

reducer of rolled sheet steel with beadings on both ends



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

HOSE REDUCER

(Dia. 1)	(Dia. 2)	S Ga.	L1 (in.)	L2 (in.)	Product code
3" thru 12"	2" thru 10"	24	3.5"	3"	632-080-050 thru 632-300-250

Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



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HOSE CONNECTOR



11.6

HOSE CONNECTOR

Material

galvanized steel

Applications

- extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

rolled sheet steel with beandings



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

HOSE CONNECTOR

(Dia.)	Ga.	L (in.)	Product code
2" thru 36"	24	3.5"	630-050-100 thru 630-900-100

Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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