

MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +260°F



5.1.13

MASTER-CLIP NEOPRENE H

Material

hose wall: neoprene-coated polyester fabric
external helix: galvanized steel

Applications

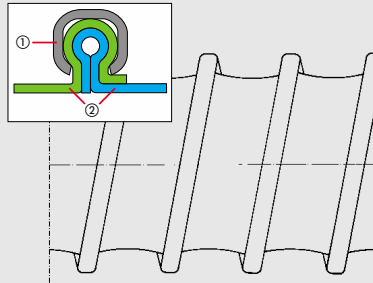
- transfer of hot or cold air
- air-conditioning/ventilation
- vehicle construction
- engine construction
- exhaust fumes equipment
- extraction of corrosive media
- chemical plants
- higher vacuum applications

Properties

- improved temperature resistance
- flame resistance (passes FTM 5903)
- good chemical resistance
- highly flexible
- extreme compressibility 1:6
- small bend radius
- vibration proof
- 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: neoprene-coated polyester fabric



Temperature Range

- -30°F up to +260°F
 - intermittent to +300°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 register no. 15

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



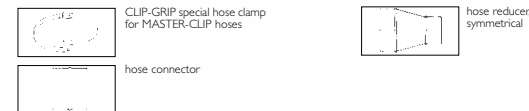
MASTER-CLIP NEOPRENE H

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.00	362	176	1.20	0.3355	234-050-107
2.20	342	145	1.32	0.3355	234-055-107
2.40	313	122	1.44	0.4026	234-060-107
2.60	273	104	1.56	0.4697	234-065-107
2.80	269	90	1.68	0.4697	234-070-107
3.00	249	78	1.80	0.5368	234-075-107
3.20	245	69	1.92	0.5368	234-080-107
3.60	225	54	2.16	0.6039	234-090-107
4.00	205	44	2.40	0.6710	234-100-107
4.40	193	37	2.64	0.7381	234-110-107
4.80	145	31	2.88	0.7381	234-120-107
5.00	133	28	3.00	0.8052	234-125-107
5.20	113	26	3.12	0.8052	234-130-107
5.60	100	23	3.36	0.8723	234-140-107
6.00	88	20	3.60	0.8723	234-150-107
6.40	84	17	3.84	0.8723	234-160-107
6.80	76	16	4.08	0.9394	234-170-107
7.00	74	15	4.20	0.9394	234-175-107
7.20	69	14	4.32	0.9394	234-180-107
8.00	59	11	4.80	1.0736	234-200-107
8.60	51	10	6.04	1.2078	234-215-107
9.00	46	9	6.32	1.3420	234-225-107
10.00	40	7	7.00	1.4091	234-250-107
11.00	32	6	7.72	1.5433	234-275-107
12.00	28	5	8.40	1.6104	234-300-107
12.60	25	4	8.84	1.7446	234-315-107
13.00	24	4	9.12	1.8788	234-325-107
14.00	23	4	9.80	2.2143	234-350-107
15.00	20	3	10.52	2.3485	234-375-107
16.00	19	3	11.20	2.5498	234-400-107
18.00	18	2	14.40	2.8182	234-450-107
20.00	17	2	16.00	3.1537	234-500-107
22.00	17	2	17.60	3.5563	234-550-107
24.00	16	1	19.20	3.9589	234-600-107
28.00	12	1	22.40	4.6299	234-700-107
32.00	9	1	25.60	5.0996	234-800-107
36.00	6	1	28.80	5.5022	234-900-107

* 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):



Delivery forms:

Standard production:

- Dia. 2" - 36"
- Color black
- Production lengths 10', 25'

Available on request:

- special diameters
- special colors
- special lengths
- custom design with other pitches and helix sizes
- external helix also in stainless steel or aluminium
- double and triple layer fabric available



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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

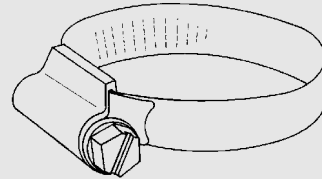
- rust resistant
- extra strength

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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