

MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +2010°F



5.1.12

MASTER-CLIP HT 2010

Material

hose wall: three-layer construction, asbestos-free high-temperature fabric, special coated with heat-stabilizers
external helix: heat-resistant chromium

Properties

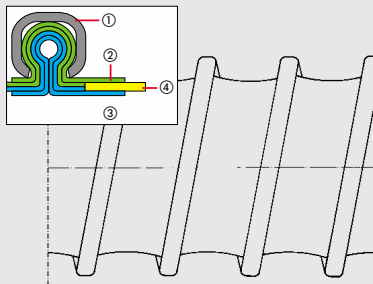
- very high temperature resistance
- flame resistant
- silicone free
- flexible; compressibility 1:2
- small bend radius
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Applications

- extremely high temperatures
- exhaust-fume extraction from large engines
- extraction under stray sparks
- shipbuilding industries
- vehicle and engine construction
- suction plants
- aircraft and defense industries
- general engineering
- furnace construction
- iron and steel works
- exhaust-fume extraction from high performance test beds in the motor vehicle industries
- extraction of aircraft engine fumes
- radiant heat protection
- low pressure applications

Construction

- ① external helix
 hose wall:
 ② outside and ③ inside and
 ④ middle layer: special-coated high temperature fabric



Temperature Range

- -75°F up to +2010°F
- intermittent to +2370°F

small amounts of smoke maybe given off when used under positive pressure or with low extraction rates.
 Technical Data, custom designs and forms of delivery see back page

Pacific Air Consultants, Inc.

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MASTER-CLIP HT 2010

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
3.0	201	122	1.80	0.7381	230-075-119
3.2	181	111	1.92	0.8052	230-080-119
3.6	161	100	2.16	0.8052	230-090-119
4.0	141	81	2.40	0.8052	230-100-119
4.4	121	67	2.64	0.8723	230-110-119
4.8	113	57	2.88	0.8723	230-120-119
5.0	109	50	3.00	1.0065	230-125-119
5.2	105	48	3.12	1.0065	230-130-119
5.6	79	42	3.36	1.0065	230-140-119
6.0	69	37	3.60	1.1407	230-150-119
6.4	64	32	3.84	1.1407	230-160-119
6.8	64	28	4.08	1.1407	230-170-119
7.0	59	27	4.20	1.3420	230-175-119
7.2	53	25	5.04	1.3420	230-180-119
8.0	49	20	5.60	1.4762	230-200-119
8.6	47	18	6.04	1.6104	230-215-119
9.0	42	17	6.32	1.8117	230-225-119
10.0	39	14	7.00	2.0130	230-250-119
11.0	37	11	7.72	2.3485	230-275-119
12.0	33	9	8.40	2.6169	230-300-119
12.6	28	9	8.84	2.6840	230-315-119
13.0	25	8	9.12	2.8182	230-325-119
14.0	20	7	9.80	3.0866	230-350-119
15.0	16	6	12.00	3.6234	230-375-119
16.0	16	6	12.80	3.8918	230-400-119
18.0	12	4	14.40	4.4957	230-450-119
20.0	11	4	16.00	5.0996	230-500-119
22.0	10	3	17.60	5.7706	230-550-119
24.0	8	2	19.20	6.4416	230-600-119
28.0	6	2	22.40	7.4481	230-700-119
32.0	5	2	25.60	8.5888	230-800-119
36.0	4	1	28.80	9.7295	230-900-119

* 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 outside red
- Production lengths 10', 25'

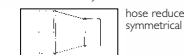
Available on request:

- special colors
- special lengths
- special diameters
- custom design with other pitches and helix sizes

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



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

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

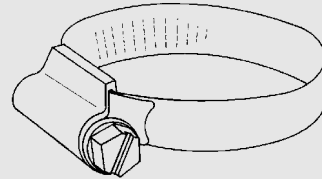
- rust resistant
- extra strength

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

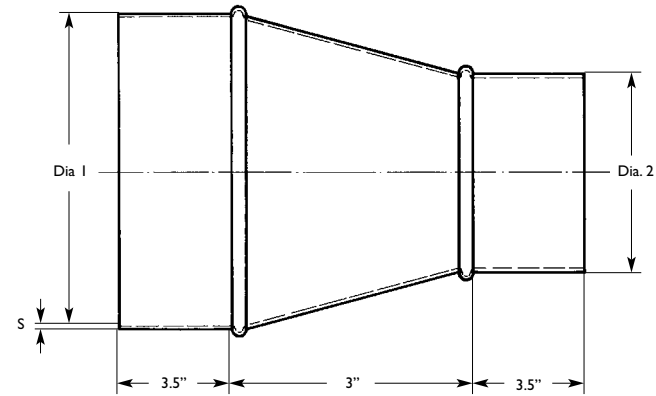
Delivery forms:

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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