

## SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +260°F



## MASTER-CLIP NEOPRENE

### Material

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

### Applications

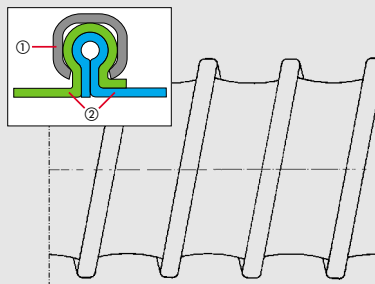
- transfer of hot or cold air
- air-conditioning/ventilation
- vehicle construction
- engine construction
- exhaust fumes equipment
- extraction of corrosive media
- chemical plants
- low pressure applications

### Properties

- improved temperature resistance
- flame resistant
- 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

### Chem. Resistance

see resistance table  
register no. 15

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



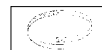
## MASTER-CLIP NEOPRENE

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.52	378	192	0.92	0.2684	220-038-107
1.60	374	188	0.96	0.2684	220-040-107
1.80	370	176	1.08	0.2684	220-045-107
2.00	362	160	1.20	0.2684	220-050-107
2.20	342	132	1.32	0.2684	220-055-107
2.40	313	111	1.44	0.3355	220-060-107
2.60	273	95	1.56	0.3355	220-065-107
2.80	269	82	1.68	0.3355	220-070-107
3.00	249	71	1.80	0.4026	220-075-107
3.20	245	62	1.92	0.4026	220-080-107
3.60	225	49	2.16	0.4026	220-090-107
4.00	205	40	2.40	0.4026	220-100-107
4.40	193	33	2.64	0.4697	220-110-107
4.80	145	28	2.88	0.4697	220-120-107
5.00	133	26	3.00	0.5368	220-125-107
5.20	113	24	3.12	0.5368	220-130-107
5.60	100	20	3.36	0.5368	220-140-107
6.00	88	18	3.60	0.6039	220-150-107
6.40	84	16	3.84	0.6039	220-160-107
6.80	76	14	4.08	0.6039	220-170-107
7.00	74	13	4.20	0.6710	220-175-107
7.20	69	12	4.32	0.6710	220-180-107
8.00	59	10	4.80	0.8052	220-200-107
8.60	51	9	6.04	0.8723	220-215-107
9.00	46	8	6.32	0.9394	220-225-107
10.00	40	6	7.00	1.0736	220-250-107
11.00	32	5	7.72	1.2749	220-275-107
12.00	28	4	8.40	1.4091	220-300-107
12.60	25	4	8.84	1.4091	220-315-107
13.00	24	4	9.12	1.4762	220-325-107
14.00	23	3	9.80	1.6775	220-350-107
14.60	20	3	10.52	1.9459	220-375-107
16.00	19	3	11.20	2.0801	220-400-107
18.00	18	2	14.40	2.4156	220-450-107
20.00	17	2	16.00	2.7511	220-500-107
22.00	17	1	17.60	3.0866	220-550-107
24.00	16	1	19.20	3.4221	220-600-107
28.00	12	1	22.40	4.0260	220-700-107
32.00	9	1	25.60	4.6299	220-800-107
36.00	6	1	28.80	5.2338	220-900-107

\* 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.

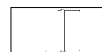
### Installation and connection possibilities (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

#### Standard production:

- Dia. 1.52" - 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



## Pacific Air Consultants, Inc.

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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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## HOSE CLAMP, BOLT CLAMP



11.3

## HOSE CLAMP, BOLT CLAMP

### Material

clamp band: galvanized steel  
screws: galvanized steel

### Applications

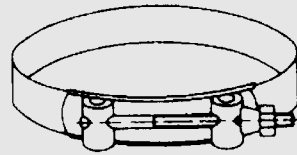
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

### 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

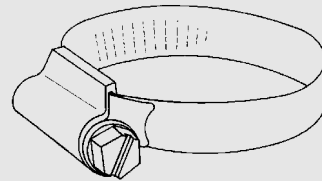
- rust resistant
- extra strength

### 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

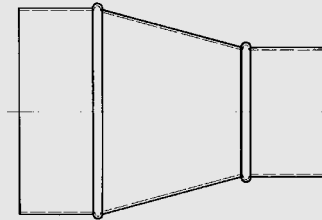
- for extending, connecting and attaching lightweight or medium weight hoses

### 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

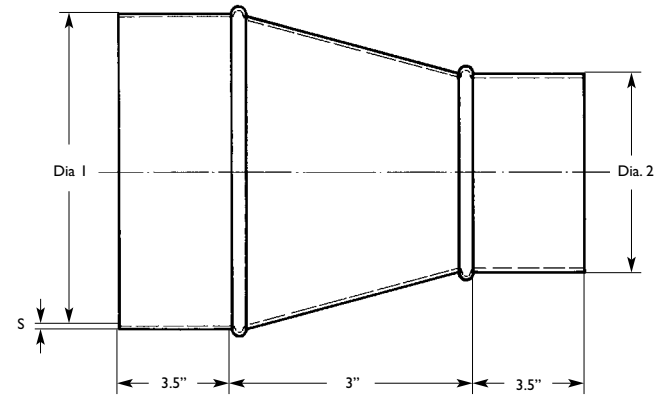
### Delivery forms:

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

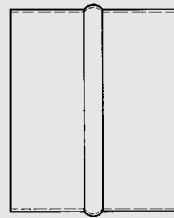
- extending, connecting and attaching lightweight or medium weight hoses

### 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

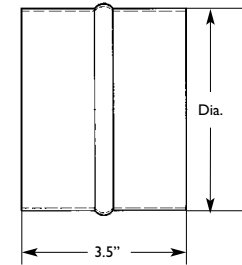
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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