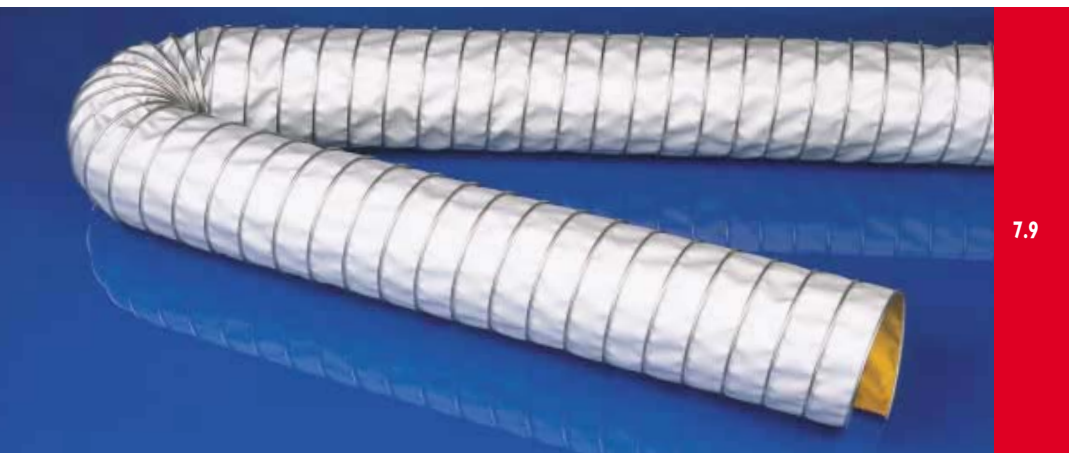


## SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F



## MASTER-CLIP KAPTON

### Material

**hose wall:** one-side KAPTON-laminated glass fabric  
**external helix:** galvanized steel

### Applications

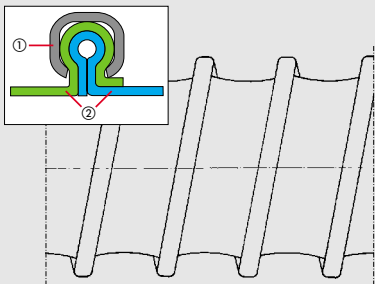
- fume exhaustion in pressure applications
- vehicle and engine construction
- exhaust-fume extraction from high performance test beds in the motor vehicle industries

### Properties

- gas-tight in low and high pressure applications
- good vacuum resistance
- very high temperature resistance
- flame resistant, non melting KAPTON-coating
- external steel helix protects against abrasion
- extremely flexible
- compressibility 1:4
- small bend radius
- excellent resistance to chemicals (similar resistance as MASTER-CLIP TEFLON hoses but in a much wider temperature range)
- special clamping method guarantees high tensile strength between hose material and external helix

### Construction

- ① external helix
- ② hose wall: one side KAPTON-laminated glass fabric



### Temperature Range

- -435°F up to +750°F

### Chem. Resistance

see resistance table section no. 15

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



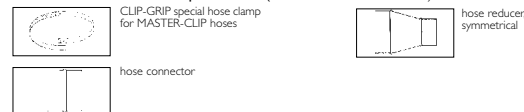
## MASTER-CLIP KAPTON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	150	1.20	0.5368	253-050-110
2.2	328	133	1.32	0.5368	253-055-110
2.4	281	121	1.44	0.5368	253-060-110
2.6	251	114	1.56	0.6039	253-065-110
2.8	221	100	1.68	0.6039	253-070-110
3.0	201	97	1.80	0.6039	253-075-110
3.2	181	87	1.92	0.6710	253-080-110
3.6	161	79	2.16	0.6710	253-090-110
4.0	141	64	2.40	0.6710	253-100-110
4.4	121	53	2.64	0.7381	253-110-110
4.8	113	45	2.88	0.7381	253-120-110
5.0	109	40	3.00	0.8723	253-125-110
5.2	105	38	3.12	0.8723	253-130-110
5.6	79	34	3.36	0.8723	253-140-110
6.0	69	29	3.60	0.9394	253-150-110
6.4	64	26	3.84	0.9394	253-160-110
6.8	64	22	4.08	0.9394	253-170-110
7.0	59	21	4.20	1.0736	253-175-110
7.2	53	20	5.04	1.0736	253-180-110
8.0	49	16	5.60	1.2078	253-200-110
8.6	47	15	6.04	1.3420	253-215-110
9.0	42	13	6.32	1.4762	253-225-110
10.0	39	11	7.00	1.6775	253-250-110
11.0	37	9	7.72	1.9459	253-275-110
12.0	33	7	8.40	2.1472	253-300-110
12.6	28	7	8.84	2.2143	253-315-110
13.0	25	7	9.12	2.3485	253-325-110
14.0	20	6	9.80	2.6169	253-350-110
15.0	16	5	12.00	2.9524	253-375-110
16.0	16	4	12.80	3.2879	253-400-110
18.0	12	3	14.40	3.8247	253-450-110
20.0	11	3	16.00	4.3615	253-500-110
22.0	10	2	17.60	4.8983	253-550-110
24.0	8	2	19.20	5.5022	253-600-110
28.0	6	2	22.40	6.4416	253-700-110
32.0	5	1	25.60	7.3810	253-800-110
36.0	4	1	28.80	8.3875	253-900-110

\* 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: outside white inside yellow-gold
- Standard lengths 10', 25'

#### Available on request:

- special diameters
- special lengths
- two-layer-construction with raised vacuum resistance (up to 30 % more than the single-layer standard hose type)
- custom design with other pitches and helix sizes
- external helix also in stainless steel



## 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

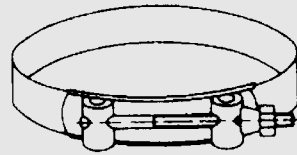
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

### 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

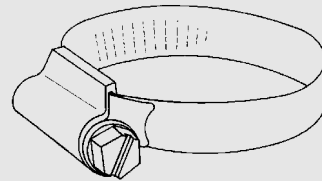
- rust resistant
- extra strength

### 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

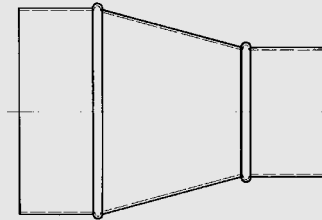
- for extending, connecting and attaching lightweight or medium weight hoses

### 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

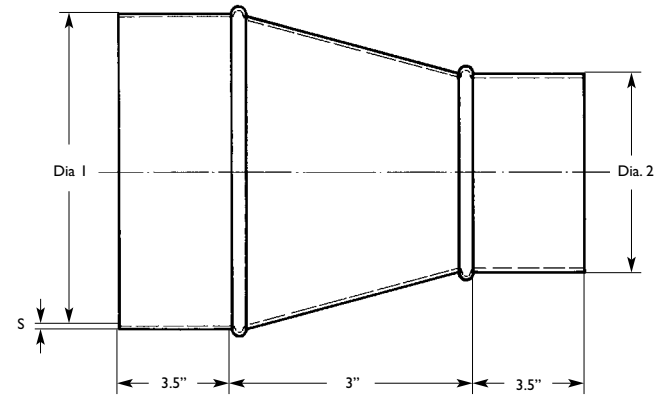
### Delivery forms:

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

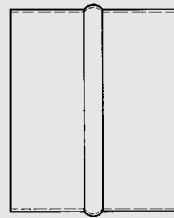
- extending, connecting and attaching lightweight or medium weight hoses

### 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

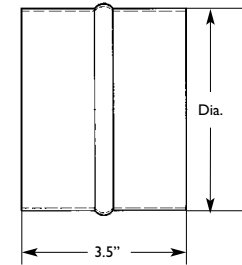
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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