

## SUCTION AND TRANSPORT HOSE - FABRIC REINFORCED FOR INCREASED TEMPERATURE - VERY LIGHTWEIGHT



1.8.1

## MASTER-SANTO L

### Material

**hose wall:** santoprene coated polyester fabric  
**spiral:** spring steel wire

### Applications

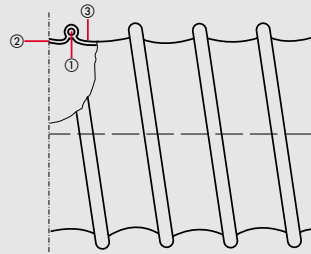
- dust collection on woodworking equipment
- fume extraction/welding arm
- drying/plastics equipment
- air systems, cooling-heating
- light material handling
- drain
- robotic arm covers

### Properties

- good tear resistance
- improved puncture resistance
- outstanding flex fatigue resistance
- good chemical resistance to alkalis, acids and solvent gases
- gas-tight
- free of plastizers
- free of halogen
- UV-and ozone-resistant
- lightweight
- extremely flexible
- smooth inside, for optimum flow characteristics
- small bend radius
- electrically conductive by grounding spiral

### Construction

- ① coated spring steel spiral
- ② hose wall: santoprene coated polyester fabric
- ③ wall thickness between spirals 0.0197"



### Temperature Range

- -60 °F up to +275 °F
- intermittent to +300 °F

### Chem. Resistance

see resistance table section no. 15

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



## MASTER-SANTO L

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2	883	315	2.0	2.32	0.21350	361-050-109
2.5	602	274	2.5	2.72	0.28060	361-060-109
3	482	236	3.0	3.36	0.35990	361-075-109
3.5	361	157	3.5	3.96	0.42250	361-090-109
4	361	157	4.0	4.40	0.47580	361-100-109
4.5	321	138	4.5	4.96	0.49500	361-115-109
5	321	138	5.0	5.40	0.51590	362-125-107
6	241	118	6.0	6.44	0.63650	361-150-109
7	200	98	7.0	7.40	0.73700	361-175-109
8	200	79	8.0	8.56	1.12560	361-200-109
9	160	71	9.0	9.40	1.19260	361-225-109
10	160	64	10.0	10.40	1.25960	361-250-109
12	120	49	12.0	12.40	1.84250	361-300-109
14	80	34	14.0	14.40	2.13730	361-350-109
16	70	20	16.0	16.40	2.44550	361-400-109

\* 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:

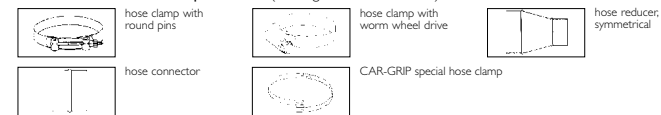
- Standard production:**
- Dia. 2" - 16"
  - Color: hose wall black spiral yellow
  - Standard lengths 25'
- Available on request:**
- with overprint
  - special wire colors
  - special lengths



## Pacific Air Consultants, Inc.

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



## SUCTION AND TRANSPORT HOSE FOR INCREASED TEMPERATURES - LIGHTWEIGHT



I.8.2

## MASTER-TPR L

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2	211	210	2.32	2.32	0.21350	362-050-107
2.5	176	180	2.72	2.72	0.28060	362-060-107
3	142	120	3.36	3.36	0.35990	362-075-107
3.5	108	98	3.96	3.96	0.42690	362-090-107
4	108	90	4.40	4.40	0.47580	362-100-107
4.5	89	90	4.96	4.96	0.54280	362-115-107
5	89	90	5.40	5.40	0.59170	362-125-107
6	69	60	6.44	6.44	0.80520	362-150-107
7	53	60	7.40	7.40	0.93940	362-175-107
8	53	60	8.56	8.56	0.99430	362-200-107
9	35	30	9.40	9.40	1.11630	362-225-107
10	34	30	10.40	10.40	1.23830	362-250-107
12	31	27	12.40	12.40	1.48230	362-300-107
14	16	27	14.40	14.40	1.73850	362-350-107
16	15	21	16.40	16.40	1.97030	362-400-107

\* 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.

### Delivery forms:

- Standard production:**
- Dia. 2" - 16"
  - Color black
  - Standard lengths 25'
- Available on request:**
- with overprint
  - special colors
  - special lengths

## MASTER-TPR L

### Material

**hose wall:** thermoplastic elastomer  
**spiral:** spring steel wire

### Applications

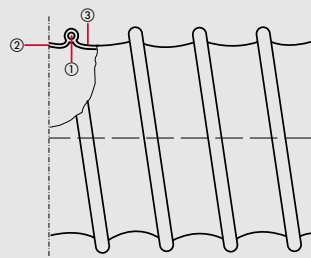
- dust collection on woodworking equipment
- fume extraction/welding arm
- drying/plastics equipment
- air systems, cooling-heating
- light material handling
- drain
- robotic arm covers

### Properties

- good chemical resistance to alkalis, acids and solvent gases
- gas-tight
- free of plastizers
- free of halogen
- UV-and ozone-resistant
- lightweight
- extremely flexible
- smooth inside, for optimum flow characteristics
- small bend radius
- electrically conductive by grounding spiral

### Construction

- ① coated spring steel spiral
- ② hose wall: thermoplastic elastomer
- ③ wall thickness between spirals .030"



### Temperature Range

- -60 °F up to +275 °F
- intermittent to +300 °F

### Chem. Resistance

see resistance table section no. 15

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

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



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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

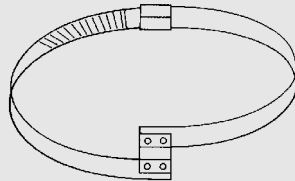
- rust resistant
- easy to install
- extra strength

### 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

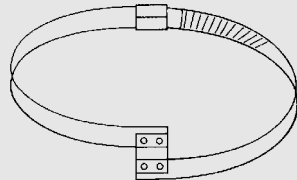
- rust resistant
- easy to install
- extra strength

### 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

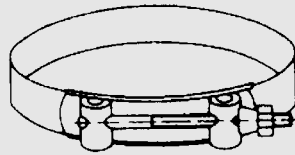
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

### 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



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## HOSE CLAMP WITH WORM GEAR DRIVE

### Material

clamp band: galvanized steel  
screw casing: galvanized steel

### Properties

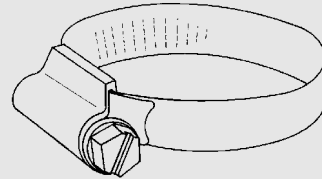
- rust resistant
- extra strength

### 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

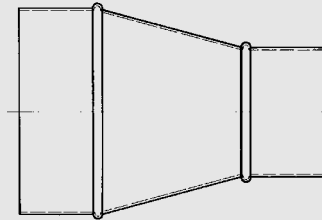
- for extending, connecting and attaching lightweight or medium weight hoses

### 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

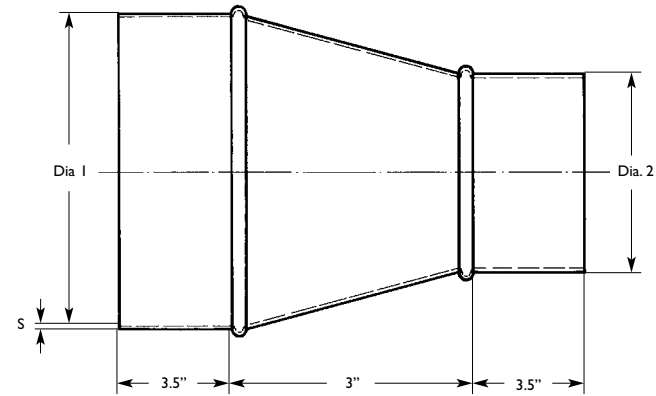
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



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## HOSE CONNECTOR



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## HOSE CONNECTOR

### Material

galvanized steel

### Applications

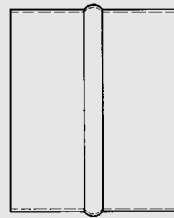
- extending, connecting and attaching lightweight or medium weight hoses

### 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

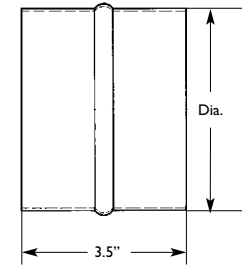
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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