

## FILM HOSE - LIGHTWEIGHT, VERY FLEXIBLE AND COMPRESSIBLE



## MASTER-PUR SL-FG

### Material

**hose wall:** 100 % pure polyester polyurethane. 30% more abrasion-resistant than polyether polyurethane

**spiral:** PU-coated spring steel wire

### Applications

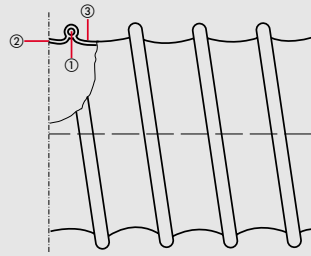
- suction and transport hose for abrasive materials
- gaseous and liquid media
- transport of small particled dusts and powders
- wet and dry process conveyance
- pharmaceutical industry

### Properties

- reinforced by spring steel spiral
- extremely flexible
- small bend radius
- high tensile and burst strength
- super lightweight
- excellent abrasion-resistant
- kink-proof
- compressible down to 20% gas-tight
- free of plastizisers and halogens
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral
- hose wall (conform to FDA food contact as described in book 2.1, section 177.2600 and 177.1680)

### Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .02"



### Temperature Range

- -40°F up to +195°F
- intermittent to +260°F

### Chem. Resistance

see resistance table section no. 15

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



## MASTER-PUR SL-FG

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.40	305	76	1.40	2.72	0.22143	311-060-501
2.52	289	70	1.48	2.84	0.22814	311-063-501
2.60	273	64	1.52	2.92	0.24156	311-065-501
2.80	245	64	1.60	3.12	0.25498	311-070-501
3.00	245	52	1.72	3.32	0.33550	311-075-501
3.20	213	52	1.80	3.52	0.35563	311-080-501
3.60	185	38	2.00	3.96	0.39589	311-090-501
4.00	185	38	2.20	4.32	0.44286	311-100-501
4.40	153	38	2.40	4.76	0.48983	311-110-501
4.60	153	38	2.52	4.96	0.50996	311-115-501
4.80	153	38	2.60	5.16	0.53009	311-120-501
5.00	153	38	2.72	5.36	0.55693	311-125-501
5.20	121	38	2.80	5.56	0.57706	311-130-501
5.60	121	26	3.00	5.96	0.61732	311-140-501
6.00	121	26	3.20	6.36	0.66429	311-150-501
6.40	121	26	3.40	6.76	0.67100	311-160-501
6.80	92	26	3.60	7.16	0.71797	311-170-501
7.00	92	26	3.72	7.36	0.73810	311-175-501
7.20	92	26	3.80	7.56	0.75823	311-180-501
8.00	92	26	4.20	8.40	0.78507	311-200-501
9.00	60	12	4.72	9.40	0.80520	311-225-501
10.00	60	12	5.20	10.40	1.20109	311-250-501
11.00	60	12	5.72	11.40	1.32187	311-275-501
11.20	60	12	5.80	11.60	1.34871	311-280-501
12.00	56	11	6.20	12.40	1.44265	311-300-501
14.00	48	8	7.20	14.40	1.67750	311-350-501
16.00	40	5	8.20	16.40	1.91235	311-400-501

\* 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:

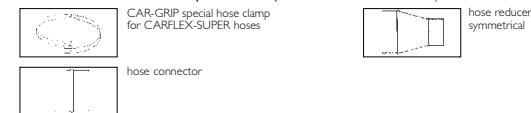
#### Standard production:

- Dia. 2.4" - 16"
- Color clear
- Standard lengths 25'

#### Available on request:

- with overprint
- special colors
- special lengths

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



## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net

## SUCTION AND TRANSPORT HOSE - LIGHTWEIGHT



1.7.2

## MASTER-PUR L-FG

### Material

**hose wall:** 100 % pure polyester polyurethane, 30% more abrasion-resistant than polyether polyurethane

**spiral:** PU-coated spring steel wire

### Properties

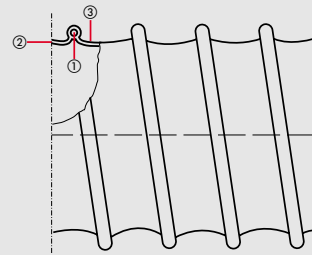
- excellent abrasion-resistant
- gas-tight
- good chemical resistance
- free of plastizisers and halogens
- lightweight
- extremely flexible
- small bend radius
- high tensile and burst strength
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral
- hose wall (conform to FDA food contact as described in book 21, section 177.2600 and 177.1680)

### Applications

- suction and transport hose for abrasive materials
- gaseous and liquid media
- transport of small particled dusts and powders
- wet and dry process conveyance
- pharmaceutical industry

### Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .0275"



### Temperature Range

- -40 °F up to +195 °F
- intermittent to +260 °F

### Chem. Resistance

see resistance table section no. 15

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

 **Masterduct**  
Member of the Masterflex-Group

## MASTER-PUR L-FG

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.0	675	210	2.32	2.32	0.23485	312-050-501
2.4	563	180	2.72	2.72	0.30866	312-060-501
2.6	506	150	2.92	2.92	0.32879	312-065-501
2.8	450	150	3.12	3.12	0.35563	312-070-501
3.0	450	120	3.36	3.36	0.39589	312-075-501
3.2	394	120	3.52	3.52	0.42273	312-080-501
3.6	338	90	3.96	3.96	0.46970	312-090-501
4.0	338	90	4.40	4.40	0.52338	312-100-501
4.4	281	90	4.76	4.76	0.57035	312-110-501
4.6	281	90	4.96	4.96	0.59719	312-115-501
4.8	281	90	5.16	5.16	0.62403	312-120-501
5.0	281	90	5.40	5.40	0.65087	312-125-501
5.2	225	90	5.56	5.56	0.67100	312-130-501
5.6	225	60	5.96	5.96	0.83204	312-140-501
6.0	225	60	6.44	6.44	0.88572	312-150-501
6.4	225	60	6.80	6.80	0.98637	312-160-501
6.8	169	60	7.20	7.20	0.99979	312-170-501
7.0	169	60	7.40	7.40	1.03334	312-175-501
7.2	169	60	7.60	7.60	1.06018	312-180-501
8.0	169	60	8.56	8.56	1.09373	312-200-501
9.0	113	30	9.40	9.40	1.22793	312-225-501
10.0	113	30	10.40	10.40	1.36213	312-250-501
11.0	113	30	11.36	11.36	1.49633	312-275-501
11.2	113	30	11.60	11.60	1.52317	312-280-501
12.0	100	27	12.40	12.40	1.63053	312-300-501
12.6	100	27	13.00	13.00	1.71105	312-315-501
13.0	100	27	13.40	13.40	1.76473	312-325-501
14.0	52	27	14.40	14.40	1.89893	312-350-501
16.0	52	21	16.40	16.40	2.16733	312-400-501

\* 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: clear
- Standard lengths 25'

Available on request:

- with overprint
- special colors
- special lengths

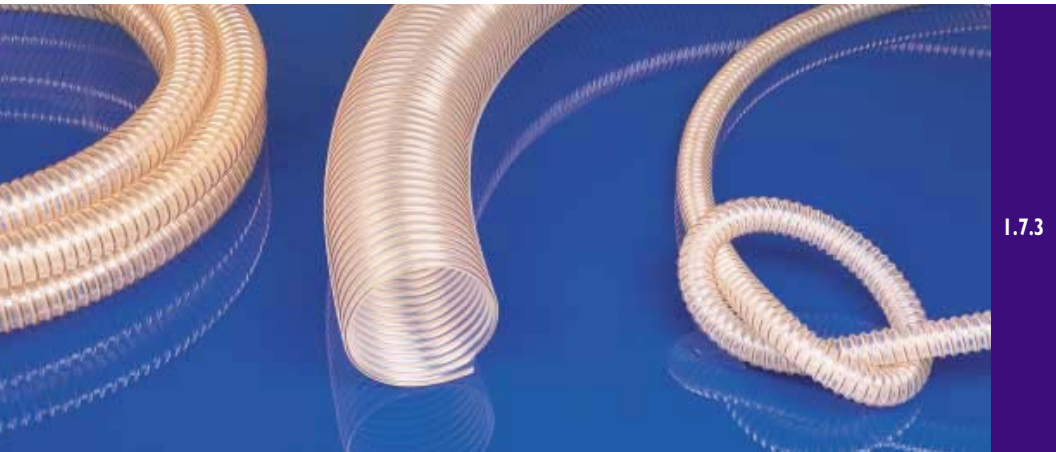
Installation and connection possibilities (see register no. 11 and 12):



**Pacific Air Consultants, Inc.**

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net

## SUCTION AND TRANSPORT HOSE - MEDIUM WEIGHT



1.7.3

## MASTER-PUR H-FG

### Material

**hose wall:** 100 % pure polyester polyurethane. 30% more abrasion-resistant than polyether polyurethane

**spiral:** PU-coated spring steel wire

### Applications

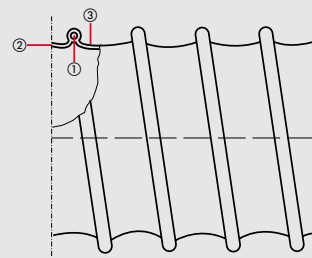
- suction and transport hose for abrasive materials
- gaseous and liquid media
- transport of small particled dusts and powders
- wet and dry process conveyance
- pharmaceutical industry

### Properties

- excellent abrasion-resistant
- resistant to oil and fuels
- gas-tight
- good chemical resistance
- free of plastizisers and halogens
- very flexible; light weight
- small bend radius
- improved pressure and vacuum characteristics
- high tensile and burst strength
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral
- hose wall (conform to FDA food contact as described in book 21, section I77.2600 and I77.1680)

### Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .055"



### Temperature Range

- -40 °F up to +195 °F
- intermittent to +260 °F

### Chem. Resistance

see resistance table section no. I5

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

 **Masterduct**  
Member of the Masterflex-Group

## MASTER-PUR H-FG

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.0	1,166	320	3.48	2.44	0.37576	313-050-501
2.4	1,025	300	4.08	2.80	0.44286	313-060-501
2.6	965	270	4.48	3.00	0.48312	313-065-501
2.8	904	270	4.68	3.20	0.51667	313-070-501
3.0	804	240	5.04	3.48	0.55022	313-075-501
3.2	804	240	5.28	3.64	0.58377	313-080-501
3.6	663	210	5.96	4.04	0.65087	313-090-501
4.0	603	180	6.60	4.48	0.72468	313-100-501
4.4	543	180	7.16	4.84	0.79178	313-110-501
4.6	543	125	7.44	5.04	0.82533	313-115-501
4.8	522	125	7.76	5.24	0.86559	313-120-501
5.0	522	125	8.12	5.52	0.89914	313-125-501
5.2	522	125	8.36	5.64	0.93269	313-130-501
5.6	422	100	8.96	6.04	1.04676	313-140-501
6.0	422	100	9.68	6.52	1.11386	313-150-501
6.4	362	100	10.20	6.84	1.18767	313-160-501
6.8	362	75	10.80	7.24	1.26148	313-170-501
7.0	362	75	11.12	7.44	1.29503	313-175-501
7.2	301	75	11.40	7.64	1.33529	313-180-501
8.0	301	75	12.84	8.60	1.91906	313-200-501
9.0	241	50	14.12	9.48	2.15391	313-225-501
10.0	241	50	15.60	10.52	2.38876	313-250-501
11.0	181	50	17.04	11.52	2.62361	313-275-501
11.0	181	50	17.40	11.72	2.67058	313-280-501
12.0	181	50	18.60	12.52	2.85846	313-300-501
12.6	181	50	19.52	13.12	2.99937	313-315-501
13.0	181	50	20.12	13.52	3.09331	313-325-501
14.0	181	50	21.60	14.52	3.32816	313-350-501
16.0	121	27	24.60	16.52	3.79786	313-400-501

\* 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: clear
- Standard lengths: 25'

Available on request:

- with overprint
- special colors
- special lengths

Installation and connection possibilities (see register no. I1 and I2):



**Pacific Air Consultants, Inc.**

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net

## FILM HOSE - FLAME AND CRUSH-RESISTANT



1.7.4

## MASTER-PUR STEP-FG

### Material

**hose wall:** 100 % pure polyester polyurethane. 30% more abrasion-resistant than polyether polyurethane

**spiral:** Polyurethane

### Applications

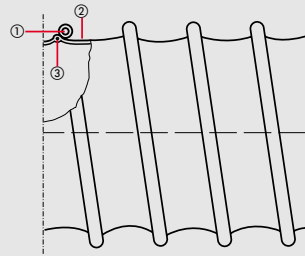
- ideally suitable as suction hoses where conventional hoses can be deformed by bad operating conditions on the floor
- dust and powder conveyance
- light food process dusting
- pharmaceutical industry

### Properties

- crush resistant
- excellent resilience properties
- high resistance to mechanical load
- excellent abrasion-resistant
- super lightweight
- highly flexible
- optimum flow characteristics
- electrically conductive by grounding wire
- hose wall (conform to FDA food contact as described in book 21, section 177.2600 and 177.1680)

### Construction

- ① hollow-profile spiral
- ② hose wall: polyurethane



### Temperature Range

- -40 °F up to +195 °F
- intermittent to +260 °F

### Chem. Resistance

see resistance table section no. 15

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

## MASTER-PUR STEP-FG

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.4	305	76	2.6	3.2	0.30195	324-060-501
3.0	245	52	3.0	3.8	0.40931	324-075-501
3.2	213	52	3.2	4.0	0.43615	324-080-501
4.0	185	38	4.0	4.8	0.53680	324-100-501
4.8	153	38	4.8	5.6	0.63745	324-120-501
5.6	121	26	5.6	6.4	0.77165	324-140-501
6.0	121	26	6.0	6.8	0.80520	324-150-501
6.4	121	26	6.4	7.2	0.87230	324-160-501

\* 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. 2.4" - 6.4"
- Color hose wall clear with blue spiral
- Standard lengths 25'

#### Available on request:

- special lengths
- special diameters up to 12"

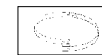


## Pacific Air Consultants, Inc.

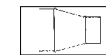
P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net



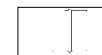
### Installation and connection possibilities (see section no. 11 and 12):



CAR-GRIP special hose clamp for CAREFLEX-SUPER hoses and MASTER-PUR STEP



hose reducer, symmetrical

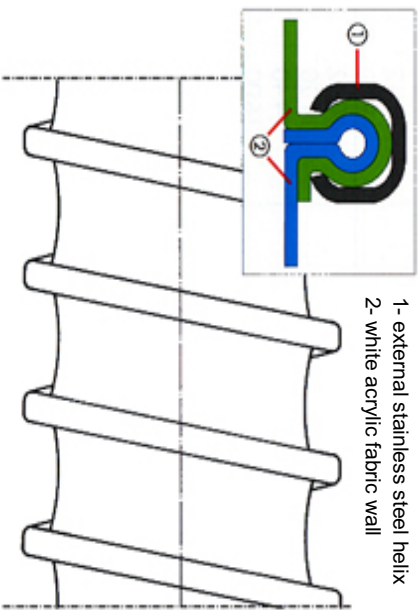


hose connector



**Masterduct**  
Member of the Masterflex-Group

## MASTER CLIP ACRYLIC FG PHARMACEUTICAL AND FOOD GRADE



### MASTER-CLIP WHITE ACRYLIC FG

#### MATERIAL

**HOSE WALL:** Polyester fabric coated with White Acrylic

**EXTERNAL HELIX:** Stainless Steel

#### PROPERTIES

- improved temperatures
- high flexibility
- extreme compressibility
- small bending radius
- vibration proof
- suitable for contacts with foods
- exceptional UV resistance
- not affected by soaking in water, weak suds and alkalis.
- vibration proof

#### APPLICATIONS

- pharmaceutical Industry
- food Industry
- clean room applications
- purity performance
- computer and data rooms
- low pressure application
- air conditioning/ ventilations
- transfer of hot or cold air

#### TEMPERATURE RANGE

**-40°F** up to **300°F**  
intermittent to **325°F**



**The Filler Boss™**

## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net

## SPECIAL HOSE CLAMP FOR MASTER-CLIP HOSES



## CLIP-GRIP

### Material

**clamp band:** galvanized steel  
**screw casing:** galvanized steel  
**bridge:** galvanized steel

### Properties

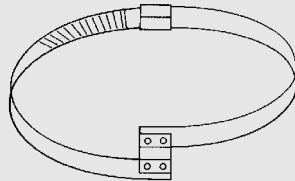
- rust resistant
- easy to install
- extra strength

### 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



## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
 La Center, Washington 98629 USA  
 Ph. (800) 252-3993 - Fax (360) 263-9772  
 web- PacAir.net - Email- Sales@PacAir.net



## CARFLEX SUPER + MASTER-PUR STEP



11.2

## CAR-GRIP

### Material

**clamp band:** galvanized steel  
**screw casing:** galvanized steel  
**bridge:** stainless steel

### Properties

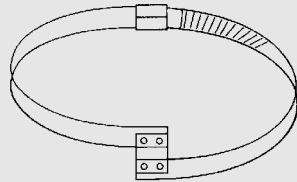
- rust resistant
- easy to install
- extra strength

### 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



## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
 La Center, Washington 98629 USA  
 Ph. (800) 252-3993 - Fax (360) 263-9772  
 web- PacAir.net - Email- Sales@PacAir.net



## 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



## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net



## HOSE REDUCER



11.5

## HOSE REDUCER

### Material

galvanized steel

### Applications

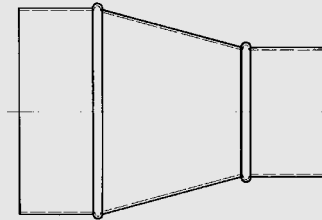
- for extending, connecting and attaching lightweight or medium weight hoses

### 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

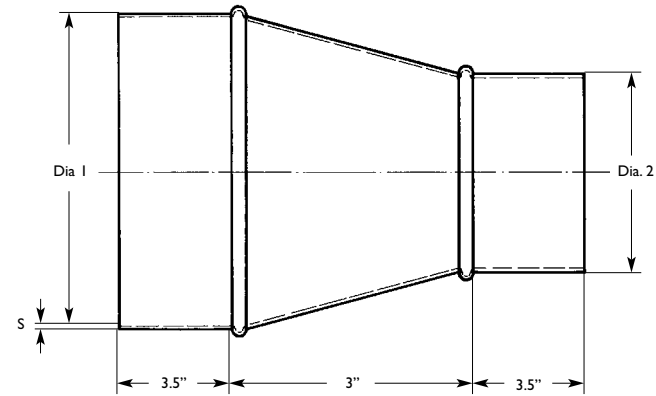
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net



## 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

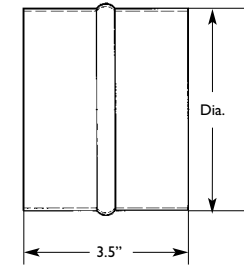
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net

