

## FILM HOSE - LIGHTWEIGHT, VERY FLEXIBLE AND COMPRESSIBLE



1.2.1

## FLAMEX SL

### Material

**hose wall:** 100 % pure polyester polyurethane with addition of flame protection. 30% more abrasion-resistant than polyether polyurethane  
**spiral:** PU-coated spring steel wire

### Applications

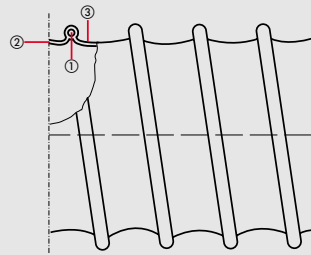
- transport hose for abrasive solids in fire risk areas
- woodworking machines
- exhaust equipment in wood-working industries
- protection hose against mechanical pressure

### Properties

- conforms to the requirements of the German Professional Woodworking Association
- flame resistant
- reinforced by spring steel spiral
- extremely flexible
- small bend radius
- high tensile and burst strength
- super lightweight
- highly abrasion-resistant
- kink-proof
- compressible down to 20%
- solvents, oil and fuels-resistant
- gas-tight
- free of plastizisers and halogens
- UV- and ozone-resistant
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral

### 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

 **Masterduct**  
Member of the Masterflex-Group

## FLAMEX SL

| 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           | 321-060-601  |
| 2.52      | 289                 | 70                  | 1.48                  | 2.84            | 0.22814           | 321-063-601  |
| 2.60      | 273                 | 64                  | 1.52                  | 2.92            | 0.24156           | 321-065-601  |
| 2.80      | 245                 | 64                  | 1.60                  | 3.12            | 0.25498           | 321-070-601  |
| 3.00      | 245                 | 52                  | 1.72                  | 3.32            | 0.33550           | 321-075-601  |
| 3.20      | 213                 | 52                  | 1.80                  | 3.52            | 0.35563           | 321-080-601  |
| 3.60      | 185                 | 38                  | 2.00                  | 3.96            | 0.39589           | 321-090-601  |
| 4.00      | 185                 | 38                  | 2.20                  | 4.32            | 0.44286           | 321-100-601  |
| 4.40      | 153                 | 38                  | 2.40                  | 4.76            | 0.48983           | 321-110-601  |
| 4.60      | 153                 | 38                  | 2.52                  | 4.96            | 0.50996           | 321-115-601  |
| 4.80      | 153                 | 38                  | 2.60                  | 5.16            | 0.53009           | 321-120-601  |
| 5.00      | 153                 | 38                  | 2.72                  | 5.36            | 0.55693           | 321-125-601  |
| 5.20      | 121                 | 38                  | 2.80                  | 5.56            | 0.57706           | 321-130-601  |
| 5.60      | 121                 | 26                  | 3.00                  | 5.96            | 0.61732           | 321-140-601  |
| 6.00      | 121                 | 26                  | 3.20                  | 6.36            | 0.66429           | 321-150-601  |
| 6.40      | 121                 | 26                  | 3.40                  | 6.76            | 0.67100           | 321-160-601  |
| 6.80      | 92                  | 26                  | 3.60                  | 7.16            | 0.71797           | 321-170-601  |
| 7.00      | 92                  | 26                  | 3.72                  | 7.36            | 0.73810           | 321-175-601  |
| 7.20      | 92                  | 26                  | 3.80                  | 7.56            | 0.75823           | 321-180-601  |
| 8.00      | 92                  | 26                  | 4.20                  | 8.40            | 0.78507           | 321-200-601  |
| 9.00      | 60                  | 12                  | 4.72                  | 9.40            | 0.80520           | 321-225-601  |
| 10.00     | 60                  | 12                  | 5.20                  | 10.40           | 1.20109           | 321-250-601  |
| 11.00     | 60                  | 12                  | 5.72                  | 11.40           | 1.32187           | 321-275-601  |
| 11.20     | 60                  | 12                  | 5.80                  | 11.60           | 1.34871           | 321-280-601  |
| 12.00     | 56                  | 11                  | 6.20                  | 12.40           | 1.44265           | 321-300-601  |
| 14.00     | 48                  | 8                   | 7.20                  | 14.40           | 1.67750           | 321-350-601  |
| 16.00     | 40                  | 5                   | 8.20                  | 16.40           | 1.91235           | 321-400-601  |

\* 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:

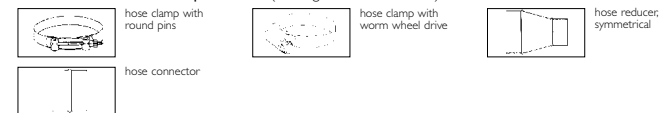
Standard production:

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

Available on request:

- with overprint
- special colors
- special lengths

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



**Pacific Air Consultants, Inc.**

P.O. Box 426 - 33100 NE Ivy Avenue  
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 Ph. (800) 252-3993 - Fax (360) 263-9772  
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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

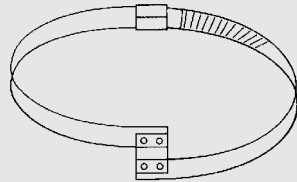
- rust resistant
- easy to install
- extra strength

### 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"<br>thru<br>10"                          | 2.4"<br>thru<br>12"  | 531-060-100<br>thru<br>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 REDUCER



11.5

## HOSE REDUCER

### Material

galvanized steel

### Applications

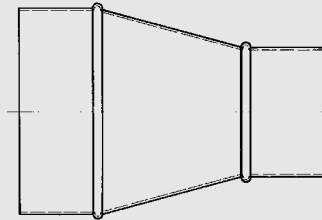
- for extending, connecting and attaching lightweight or medium weight hoses

### 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<br>Ga. | L1<br>(in.) | L2<br>(in.) | Product code                       |
|-------------------|-------------------|----------|-------------|-------------|------------------------------------|
| 3"<br>thru<br>12" | 2"<br>thru<br>10" | 24       | 3.5"        | 3"          | 632-080-050<br>thru<br>632-300-250 |

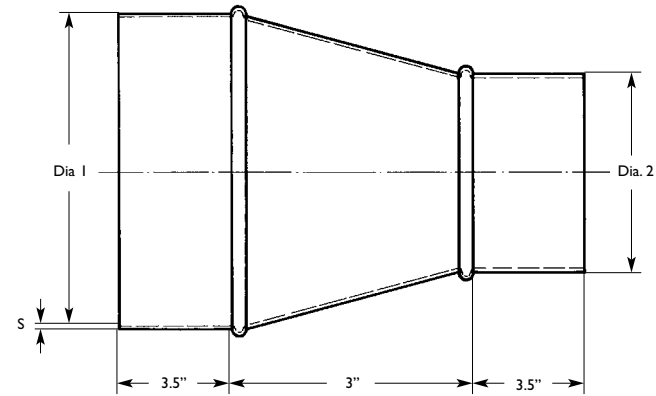
### Delivery forms:

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 |

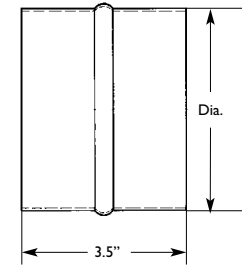
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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