

## SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +350°F



7.4

## MASTER-CLIP TEFLON H-EC

### Material

**hose wall:** inner layer: PTFE-film, electrically conductive, outer layer: Hypalon-coated polyester fabric

**external helix:** galvanized steel

### Properties

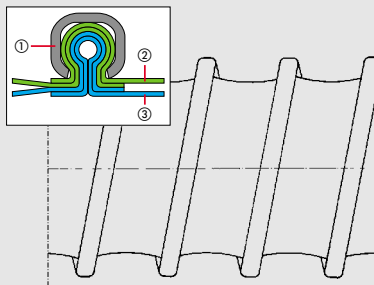
- excellent chemical resistance
- optimum flow characteristics
- heat and cold resistant, excellent weather resistance
- UV und ozone resistant
- highly flexible and vibration proof
- extreme compressibility 1:4
- small bend radius
- PTFE-film: surface resistivity  $R_O = 10^9 \text{ Ohm}$
- outer hose wall of extra strength material
- inner hose wall with non-stick surface
- PTFE: harmless to health
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

### Applications

- dangerous areas, where electrical conductivity is demanded
- under increased mechanical stress
- extraction of corrosive and explosive gases and fumes
- chemical plants
- paint, wood and paper industries
- extraction of solvents
- pharmaceutical industry
- low pressure applications

### Construction

- ① external helix
- ② outer layer: Hypalon-coated polyester fabric
- ③ inner layer: PTFE-film, electrically conductive



### Temperature Range

- -40°F up to +350°F
- intermittent to +375°F

### Chem. Resistance

see resistance table register no. 15

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

 **Masterduct**  
Member of the Masterflex-Group

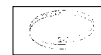
## MASTER-CLIP TEFLON H-EC

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	176	1.20	0.3355	261-050-107
2.2	342	145	1.32	0.3355	261-055-107
2.4	313	122	1.44	0.4026	261-060-107
2.6	273	104	1.56	0.4697	261-065-107
2.8	269	90	1.68	0.4697	261-070-107
3.0	249	78	1.80	0.5368	261-075-107
3.2	245	69	1.92	0.5368	261-080-107
3.6	225	54	2.16	0.6039	261-090-107
4.0	205	44	2.40	0.6710	261-100-107
4.4	193	37	2.64	0.7381	261-110-107
4.8	145	31	2.88	0.7381	261-120-107
5.0	133	28	3.00	0.8052	261-125-107
5.2	113	26	3.12	0.8052	261-130-107
5.6	100	23	3.36	0.8723	261-140-107
6.0	88	20	3.60	0.8723	261-150-107
6.4	84	17	3.84	0.8723	261-160-107
6.8	76	16	4.08	0.9394	261-170-107
7.0	74	15	4.20	0.9394	261-175-107
7.2	69	14	4.32	0.9394	261-180-107
8.0	59	11	4.80	1.0736	261-200-107
8.6	51	10	6.04	1.2078	261-215-107
9.0	46	9	6.32	1.3420	261-225-107
10.0	40	7	7.00	1.4091	261-250-107
11.0	32	6	7.72	1.5433	261-275-107
12.0	28	5	8.40	1.6104	261-300-107
12.6	25	4	8.84	1.7446	261-315-107
13.0	24	4	9.12	1.8788	261-325-107
14.0	23	4	9.80	2.2143	261-350-107
15.0	20	3	10.52	2.3485	261-375-107
16.0	19	3	11.20	2.5498	261-400-107
18.0	18	2	14.40	2.8182	261-450-107
20.0	17	2	16.00	3.1537	261-500-107
22.0	17	2	17.60	3.5563	261-550-107
24.0	16	1	19.20	3.9589	261-600-107
28.0	12	1	22.40	4.6299	261-700-107
32.0	9	1	25.60	5.0996	261-800-107
36.0	6	1	28.80	5.5022	261-900-107

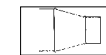
\* Referring to the inner side of the elbow of hose.

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.

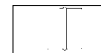
### Installation and connection possibilities (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

#### Standard production:

- Dia. 2" - 36"
- Color: inside black outside gray
- Production lengths 20', 25'

#### Available on request:

- special diameters
- special lengths
- custom design with other pitches and helix sizes
- external helix also in stainless steel or aluminium



**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

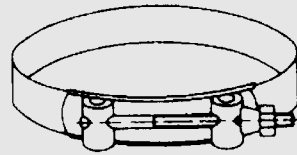
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

### 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

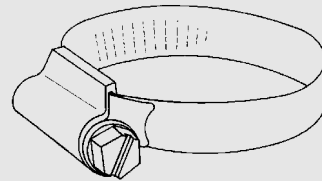
- rust resistant
- extra strength

### 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

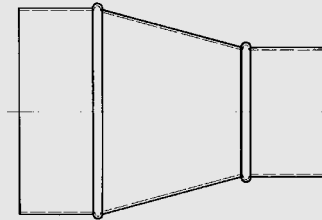
- for extending, connecting and attaching lightweight or medium weight hoses

### 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

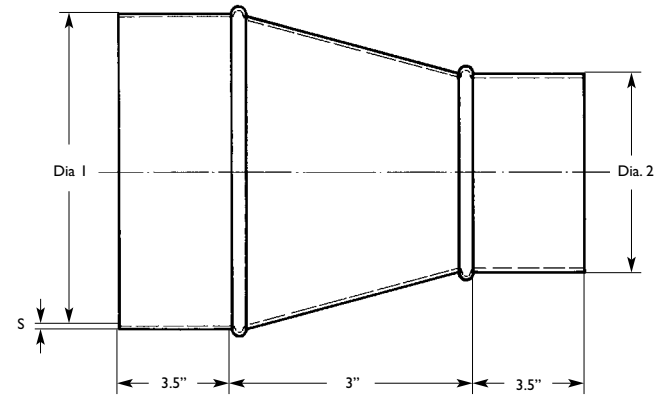
### Delivery forms:

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

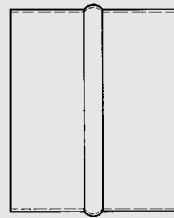
- extending, connecting and attaching lightweight or medium weight hoses

### 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

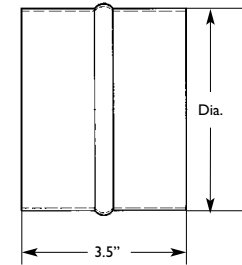
### Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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