

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



7.6

MASTER-CLIP TEFLON

Material

hose wall: both sides PTFE-coated glass fabric
external helix: galvanized steel

Applications

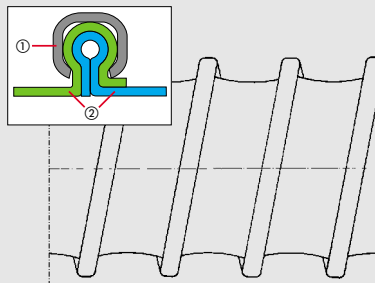
- extraction of corrosive media
- chemical plants
- paint mist exhaustion
- paint, wood and paper industries
- extraction of solvents
- pharmaceutical industry
- low pressure applications

Properties

- excellent chemical resistance
- PTFE: harmless to health
- heat and cold resistant
- excellent weather resistance
- highly flexible
- extreme compressibility 1:6
- small bend radius
- outer hose wall of extra strength material
- hose wall with non-stick surface
- optimum flow characteristics
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- ① external helix
- ② hose wall: on both sides PTFE-coated glass fabric



Temperature Range

- -235°F up to +480°F
- intermittent to +520°F

Chem. Resistance

see resistance table register no. 15

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



MASTER-CLIP TEFLON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.6	362	144	0.96	0.2684	250-040-113
1.8	350	136	1.08	0.2684	250-045-113
2.0	342	128	1.20	0.2684	250-050-113
2.2	313	106	1.32	0.2684	250-055-113
2.4	273	89	1.44	0.3355	250-060-113
2.6	237	76	1.56	0.3355	250-065-113
2.8	213	64	1.68	0.3355	250-070-113
3.0	189	56	1.80	0.4026	250-075-113
3.2	173	50	1.92	0.4026	250-080-113
3.6	143	40	2.16	0.4026	250-090-113
4.0	121	32	2.40	0.4026	250-100-113
4.4	104	26	2.64	0.4026	250-110-113
4.8	90	22	2.88	0.4697	250-120-113
5.0	84	20	3.00	0.4697	250-125-113
5.2	79	19	3.12	0.4697	250-130-113
5.6	70	16	3.36	0.5368	250-140-113
6.0	63	14	3.60	0.5368	250-150-113
6.4	56	12	3.84	0.6039	250-160-113
6.8	51	11	4.08	0.6039	250-170-113
7.0	49	10	4.20	0.6710	250-175-113
7.2	47	10	4.32	0.6710	250-180-113
8.0	40	8	4.80	0.7381	250-200-113
8.6	35	7	6.04	0.8052	250-215-113
9.0	33	6	6.32	0.8723	250-225-113
10.0	28	5	7.00	0.9394	250-250-113
11.0	24	4	7.72	1.1407	250-275-113
12.0	21	4	8.40	1.2749	250-300-113
12.6	19	3	8.84	1.3420	250-315-113
13.0	18	3	9.12	1.4091	250-325-113
14.0	16	3	9.80	1.5433	250-350-113
15.0	14	2	10.52	1.8117	250-375-113
16.0	13	2	11.20	1.9459	250-400-113
18.0	11	2	14.40	2.3485	250-450-113
20.0	9	1	16.00	2.6169	250-500-113
22.0	8	1	17.60	2.9524	250-550-113
24.0	7	1	19.20	3.2879	250-600-113
28.0	6	1	22.40	3.8918	250-700-113
32.0	4	1	25.60	4.4957	250-800-113
36.0	4	1	28.80	5.0996	250-900-113

* 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. 1.6" - 36"
- Color light brown
- Production lengths 20', 25'

Available on request:

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



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



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HOSE CLAMP, BOLT CLAMP



11.3

HOSE CLAMP, BOLT CLAMP

Material

clamp band: galvanized steel
screws: galvanized steel

Applications

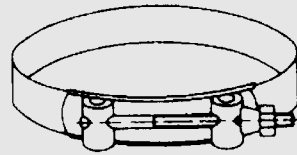
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

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

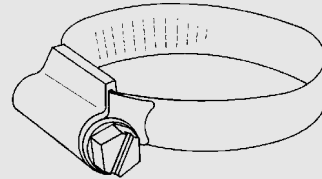
- rust resistant
- extra strength

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

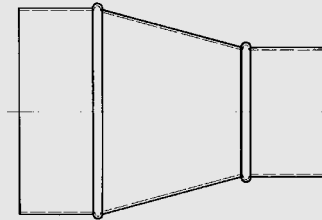
- for extending, connecting and attaching lightweight or medium weight hoses

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

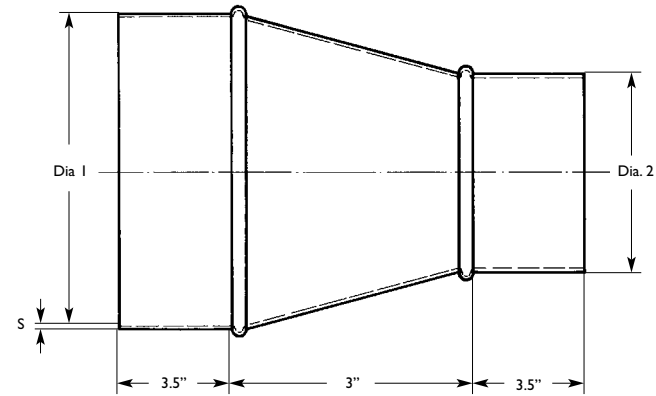
Delivery forms:

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

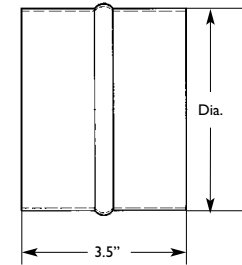
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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