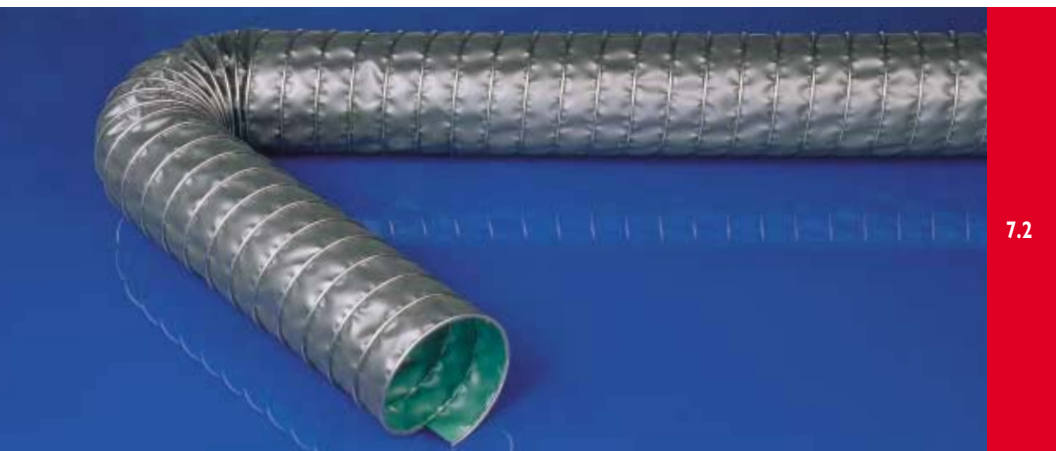


SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +350°F



7.2

MASTER-CLIP HYPALON

Material

hose wall: Hypalon-coated polyester fabric
external helix: galvanized steel

Applications

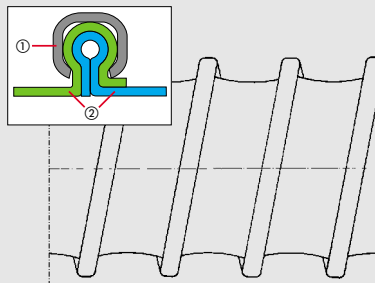
- ducting of hot and cold air
- granule dryers
- air condition
- low pressure applications
- standard hose for industry
- vehicle construction
- engine construction
- exhaust equipment
- extraction of aggressive media
- suction plants

Properties

- improved temperature resistance
- flame resistant
- excellent chemical resistance
- UV- and ozone-resistant
- highly flexible
- extreme compressibility 1:6
- small bend radius
- vibration proof
- 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: Hypalon-coated polyester fabric



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

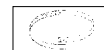
MASTER-CLIP HYPALON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.52	378	192	0.92	0.2684	221-038-107
1.60	374	188	0.96	0.2684	221-040-107
1.80	370	176	1.08	0.2684	221-045-107
2.00	362	160	1.20	0.2684	221-050-107
2.20	342	132	1.32	0.2684	221-055-107
2.40	313	111	1.44	0.3355	221-060-107
2.60	273	95	1.56	0.3355	221-065-107
2.80	269	82	1.68	0.3355	221-070-107
3.00	249	71	1.80	0.4026	221-075-107
3.20	245	62	1.92	0.4026	221-080-107
3.60	225	49	2.16	0.4026	221-090-107
4.00	205	40	2.40	0.4026	221-100-107
4.40	193	33	2.64	0.4697	221-110-107
4.80	145	28	2.88	0.4697	221-120-107
5.00	133	26	3.00	0.5368	221-125-107
5.20	113	24	3.12	0.5368	221-130-107
5.60	100	20	3.36	0.5368	221-140-107
6.00	88	18	3.60	0.6039	221-150-107
6.40	84	16	3.84	0.6039	221-160-107
6.80	76	14	4.08	0.6039	221-170-107
7.00	74	13	4.20	0.6710	221-175-107
7.20	69	12	4.32	0.6710	221-180-107
8.00	59	10	4.80	0.8052	221-200-107
8.60	51	9	6.04	0.8723	221-215-107
9.00	46	8	6.32	0.9394	221-225-107
10.00	40	6	7.00	1.0736	221-250-107
11.00	32	5	7.72	1.2749	221-275-107
12.00	28	4	8.40	1.4091	221-300-107
12.60	25	4	8.84	1.4091	221-315-107
13.00	24	4	9.12	1.4762	221-325-107
14.00	23	3	9.80	1.6775	221-350-107
15.00	20	3	10.52	1.9459	221-375-107
16.00	19	3	11.20	2.0801	221-400-107
18.00	18	2	14.40	2.4156	221-450-107
20.00	17	2	16.00	2.7511	221-500-107
22.00	17	1	17.60	3.0866	221-550-107
24.00	16	1	19.20	3.4221	221-600-107
28.00	12	1	22.40	4.0260	221-700-107
32.00	9	1	25.60	4.6299	221-800-107
36.00	6	1	28.80	5.2338	221-900-107

* 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.

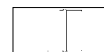
Installation and connection possibilities (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

Delivery forms:

Standard production:

- Dia. 1.52" - 36"
- Color outside black / inside green
- Production lengths 10', 25'

Available on request:

- special colors
- special lengths
- special diameters
- 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

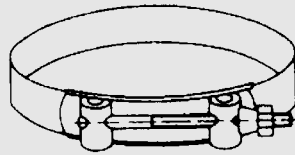
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

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

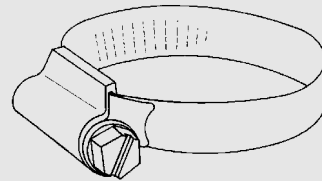
- rust resistant
- extra strength

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

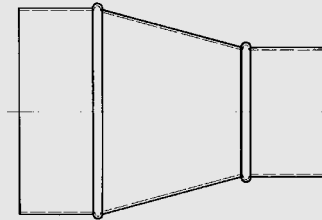
- for extending, connecting and attaching lightweight or medium weight hoses

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

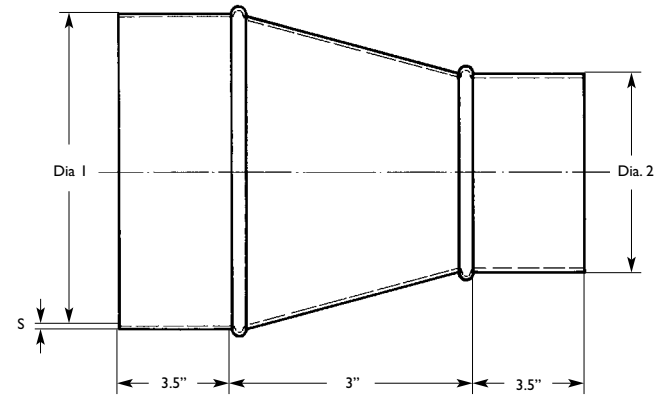
Delivery forms:

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

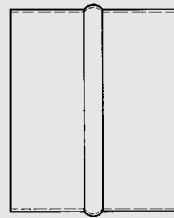
- extending, connecting and attaching lightweight or medium weight hoses

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

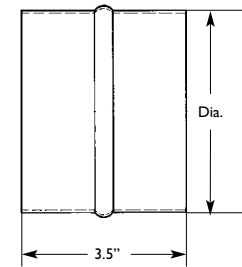
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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