

MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +570°F



5.1.5

MASTER-CLIP ISO-SILICON

Material

inner hose wall: heat resistant impregnated glass fabric,
outer hose wall: silicon-coated glass fabric
external helix: galvanized steel

Applications

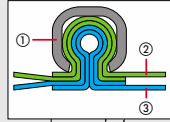
- hot air
- suction plants with improved extraction capacity
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- low pressure applications

Properties

- very high temperature resistance
- flame resistant
- highly flexible
- extreme compressibility 1:4
- small bend radius
- good vacuum-resistance
- vibration resistant
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- ① external helix
- ② outer hose wall: silicon-coated glass fabric
- ③ inner hose wall: heat resistant impregnated glass fabric



Temperature Range

- -75°F up to +570°F
- intermittent to +625°F
- When used in exhaust gas systems, gas funnels should be used properly and enough fresh air should be utilized.

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 ISO-SILICON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	342	128	1.20	0.2684	224-050-116
2.2	313	106	1.32	0.2684	224-055-116
2.4	273	89	1.44	0.3355	224-060-116
2.6	237	76	1.56	0.3355	224-065-116
2.8	213	64	1.68	0.3355	224-070-116
3.0	189	56	1.80	0.4026	224-075-116
3.2	173	50	1.92	0.4026	224-080-116
3.6	143	40	2.16	0.4026	224-090-116
4.0	121	32	2.40	0.4026	224-100-116
4.4	104	26	2.64	0.4697	224-110-116
4.8	90	22	2.88	0.4697	224-120-116
5.0	84	20	3.00	0.5368	224-125-116
5.2	79	19	3.12	0.5368	224-130-116
5.6	70	16	3.36	0.5368	224-140-116
6.0	63	14	3.60	0.6039	224-150-116
6.4	56	12	3.84	0.6039	224-160-116
6.8	51	11	4.08	0.6039	224-170-116
7.0	49	10	4.20	0.6710	224-175-116
7.2	47	10	4.32	0.6710	224-180-116
8.0	40	8	4.80	0.8052	224-200-116
8.6	35	7	6.04	0.8723	224-215-116
9.0	33	6	6.32	0.9394	224-225-116
10.0	28	5	7.00	1.0736	224-250-116
11.0	24	4	7.72	1.2749	224-275-116
12.0	21	4	8.40	1.4091	224-300-116
12.6	19	3	8.84	1.4091	224-315-116
13.0	18	3	9.12	1.4762	224-325-116
14.0	16	3	9.80	1.6775	224-350-116
15.0	14	2	10.52	1.9459	224-375-116
16.0	13	2	11.20	2.0801	224-400-116
18.0	11	2	14.40	2.4156	224-450-116
20.0	9	1	16.00	2.7511	224-500-116
22.0	8	1	17.60	3.0866	224-550-116
24.0	7	1	19.20	3.4221	224-600-116
28.0	6	1	22.40	4.0260	224-700-116
32.0	4	1	25.60	4.6299	224-800-116
36.0	4	1	28.80	5.2338	224-900-116

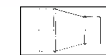
* Referring to the inner side of the elbow of hose.

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" - 3.6"
- Color silver grey
- Production lengths 20', 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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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



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HOSE CLAMP, BOLT CLAMP



HOSE CLAMP, BOLT CLAMP

Material

clamp band: galvanized steel
screws: galvanized steel

Applications

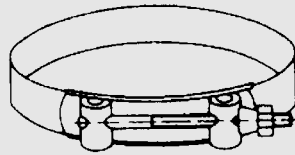
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

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

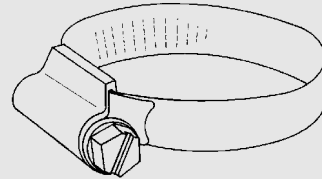
- rust resistant
- extra strength

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

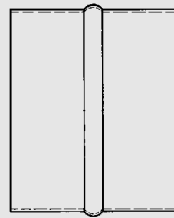
- extending, connecting and attaching lightweight or medium weight hoses

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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