

MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +480°F



5.2.3

MASTER-SIL I

Material

hose wall: silicon-coated glass fabric
 spiral: spring steel wire
 cord: glass fibre cord

Applications

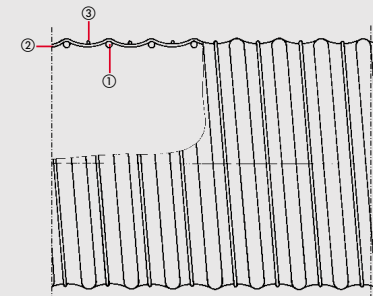
- guiding of air or gaseous media with high gas or environmental temperatures
- vehicle industry
- aircraft industry
- ship building industry
- general engineering and engine construction
- chemical industry
- plastics production
- hot air hose for granule dryers

Properties

- highly flexible
- lightweight
- small bend radius
- symmetrically bending
- kink-proof
- good chemical resistance
- immovable vulcanized wall and spring steel spiral

Construction

- ① spring steel spiral
- ② hose wall: silicon-coated glass fabric
- ③ glass fibre cord



Temperature Range

- -75°F up to +480°F
- intermittent to +535°F

Chem. Resistance

see resistance table
 register no. 15

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

MASTER-SIL I

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
0.52	683	208	0.32	0.0671	685-013-119
0.76	643	204	0.32	0.07381	685-019-119
1.04	643	204	0.32	0.08052	685-026-119
1.20	563	200	0.40	0.09394	685-030-119
1.28	563	200	0.40	0.09394	685-032-119
1.52	522	200	0.48	0.11407	685-038-119
1.60	522	192	0.52	0.13420	685-040-119
1.64	522	192	0.52	0.13420	685-041-119
1.76	482	184	0.56	0.14091	685-044-119
1.80	482	184	0.56	0.14091	685-045-119
2.00	482	172	0.64	0.16775	685-050-119
2.04	482	172	0.64	0.16775	685-051-119
2.20	442	168	0.72	0.18117	685-055-119
2.28	442	164	0.72	0.18788	685-057-119
2.40	442	160	0.80	0.20130	685-060-119
2.52	442	156	0.88	0.21472	685-063-119
2.60	442	152	0.88	0.22814	685-065-119
2.80	442	144	0.96	0.24156	685-070-119
3.00	442	136	1.08	0.27511	685-075-119
3.04	442	136	1.08	0.27511	685-076-119
3.20	402	128	1.12	0.29524	685-080-119
3.32	402	124	1.12	0.30866	685-083-119
3.56	402	120	1.16	0.32879	685-089-119
3.60	402	120	1.16	0.32879	685-090-119
3.80	362	112	1.28	0.37576	685-095-119
4.00	362	104	1.40	0.42944	685-100-119
4.08	362	104	1.40	0.43615	685-102-119
4.32	362	96	1.52	0.45628	685-108-119
4.40	362	96	1.52	0.46299	685-110-119
4.56	362	88	1.60	0.47641	685-114-119
4.60	362	88	1.60	0.48312	685-115-119
4.80	322	80	1.72	0.50996	685-120-119
5.00	322	68	1.84	0.53009	685-125-119
5.08	322	68	1.84	0.53680	685-127-119
5.20	322	68	1.88	0.55022	685-130-119
5.60	281	60	1.92	0.60390	685-140-119
6.00	281	56	2.00	0.65087	685-150-119
6.08	281	56	2.04	0.66429	685-152-119
6.40	241	52	2.12	0.70455	685-160-119
6.60	241	48	2.20	0.72468	685-165-119
6.92	241	48	2.32	0.75823	685-173-119
7.12	241	44	2.40	0.78507	685-178-119
7.20	241	44	2.40	0.79849	685-180-119
8.00	201	28	2.68	0.87230	685-200-119
8.12	201	28	2.72	0.89243	685-203-119
9.16	161	23	3.36	0.99308	685-229-119
10.00	161	18	4.00	1.10715	685-250-119
10.16	161	16	4.08	1.12728	685-254-119
12.00	80	8	4.80	1.34200	685-300-119
12.20	80	8	4.92	1.37555	685-305-119

* 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:

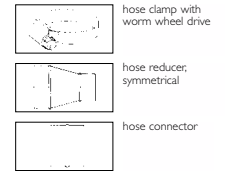
Standard production:

- Dia. .52" - 12.2"
- Color black
- Production lengths 10'

Available on request:

- special diameters
- special lengths
- with spiralfree sleeves

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



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

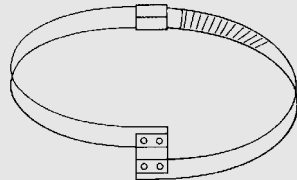
- rust resistant
- easy to install
- extra strength

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



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

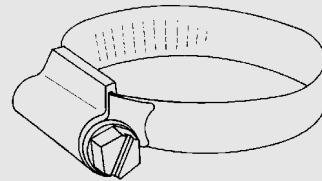
- rust resistant
- extra strength

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

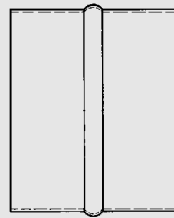
- extending, connecting and attaching lightweight or medium weight hoses

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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