

## MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +270°F



5.2.2

## MASTER-NEO 2

### Material

**hose wall:** neoprene-coated glass fabric, two layers  
**spiral:** spring steel wire  
**cord:** glass fibre cord

### Applications

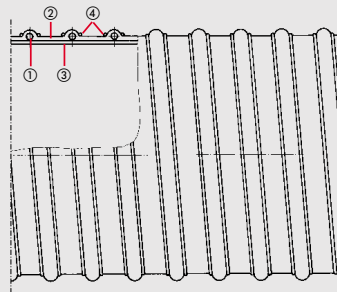
- guiding of air or gaseous media with high gas or environmental temperatures
- vehicle industry
- aircraft industry
- ship building industry
- general engineering and engine construction
- chemical industry
- plastics production
- hot air hose for granule dryers

### Properties

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

### Construction

- ① spring steel spiral
- ② outer layer: neoprene-coated glass fabric
- ③ inner layer: neoprene-coated glass fabric
- ④ glass fibre cord



### Temperature Range

- -60 °F up to +270 °F
- intermittent to +300 °F

### Chem. Resistance

see resistance table register no. 15

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

## MASTER-NEO 2

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
0.52	1,125	260	0.60	0.10736	681-013-107
0.76	1,125	260	0.60	0.12749	681-019-107
1.04	1,125	260	0.60	0.15433	681-026-107
1.20	1,125	260	0.60	0.16775	681-030-107
1.28	1,125	260	0.64	0.17446	681-032-107
1.52	1,045	240	0.72	0.20801	681-038-107
1.60	1,045	240	0.76	0.21472	681-040-107
1.64	1,045	240	0.76	0.21472	681-041-107
1.76	1,045	224	0.84	0.22814	681-044-107
1.80	1,045	224	0.84	0.22814	681-045-107
2.00	1,045	208	0.96	0.24156	681-050-107
2.04	1,045	208	0.96	0.24156	681-051-107
2.20	1,005	196	1.08	0.28182	681-055-107
2.28	1,005	196	1.12	0.28853	681-057-107
2.40	965	192	1.24	0.31537	681-060-107
2.52	965	192	1.24	0.32879	681-063-107
2.60	965	192	1.24	0.3355	681-065-107
2.80	924	176	1.40	0.35563	681-070-107
3.00	884	172	1.52	0.38918	681-075-107
3.04	884	172	1.52	0.38918	681-076-107
3.20	844	168	1.60	0.41602	681-080-107
3.32	844	164	1.68	0.42944	681-083-107
3.56	804	160	1.76	0.45628	681-089-107
3.60	804	160	1.76	0.46299	681-090-107
3.80	764	148	1.92	0.48983	681-095-107
4.00	764	140	2.08	0.51667	681-100-107
4.08	764	140	2.08	0.51667	681-102-107
4.32	683	124	2.20	0.55693	681-108-107
4.40	683	120	2.28	0.57035	681-110-107
4.56	643	116	2.28	0.59719	681-114-107
4.60	643	116	2.36	0.6039	681-115-107
4.80	643	112	2.44	0.63074	681-120-107
5.00	563	104	2.52	0.65758	681-125-107
5.08	563	100	2.56	0.67100	681-127-107
5.20	522	92	2.60	0.68442	681-130-107
5.60	522	76	2.80	0.74481	681-140-107
6.00	482	68	3.00	0.80520	681-150-107
6.08	482	68	3.00	0.80520	681-152-107
6.40	442	60	3.20	0.85888	681-160-107
6.60	402	56	3.32	0.88572	681-165-107
6.92	402	52	3.48	0.93940	681-173-107
7.12	402	48	3.56	0.97295	681-178-107
7.20	402	48	3.60	0.99308	681-180-107
8.00	281	36	4.00	1.08702	681-200-107
8.12	281	36	4.04	1.10715	681-203-107
9.16	241	32	5.00	1.27490	681-229-107
10.00	201	28	6.00	1.40239	681-250-107
10.16	201	28	6.00	1.43594	681-254-107
12.00	121	16	8.40	1.71105	681-300-107
12.20	121	16	8.40	1.73118	681-305-107

\* 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.

### Delivery forms:

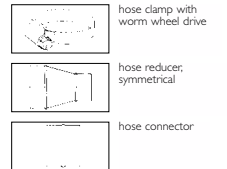
#### Standard production:

- 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):



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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

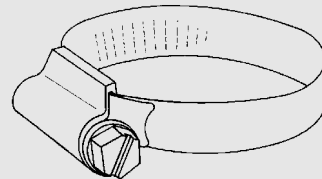
- rust resistant
- extra strength

### 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**

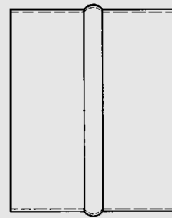
- extending, connecting and attaching lightweight or medium weight hoses

**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

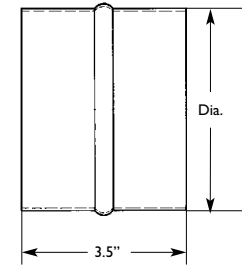
**Delivery forms:**

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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