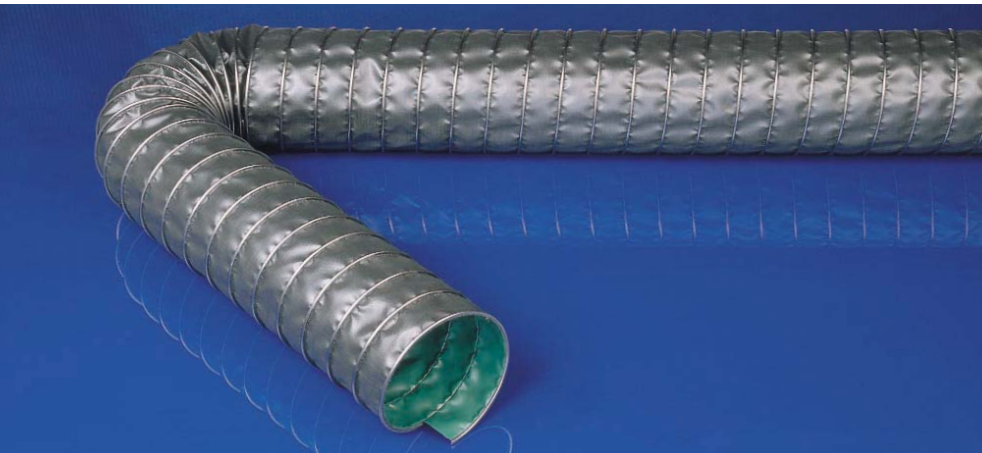


## MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +350°F



5.1.2

## MASTER-CLIP HYPALON

### Material

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

### Applications

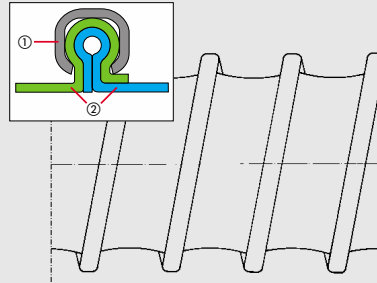
- ducting of hot and cold air
- granule dryers
- air condition
- low pressure applications
- standard hose for industry
- vehicle construction
- engine construction
- exhaust equipment
- extraction of aggressive media
- suction plants

### 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

- external helix
- 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

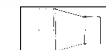
\* Referring to the inner side of the elbow of hose.

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



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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

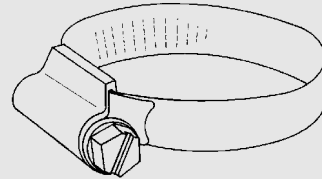
- rust resistant
- extra strength

### 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

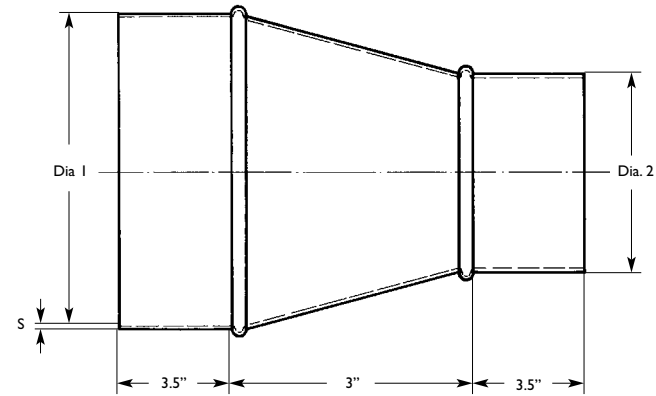
### Delivery forms:

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

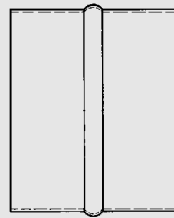
- extending, connecting and attaching lightweight or medium weight hoses

### 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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