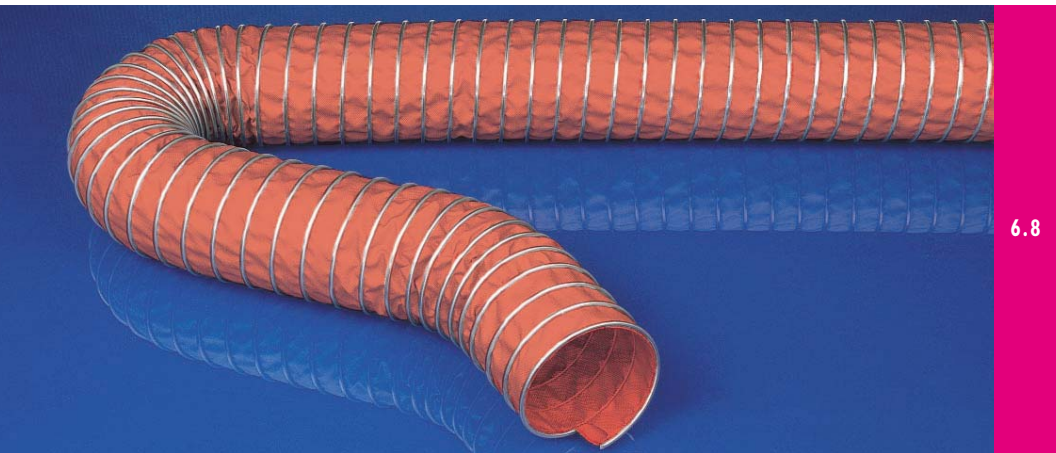


## EXHAUST GAS HOSE FOR EXHAUST GAS TEMPERATURES UP TO +1200°F



6.8

## MASTER-CLIP HT 1200

### Material

**hose wall:** two-layer construction, inner and outer hose wall asbestos free high-temperature fabric, specially coated with heat-stabilizers, reinforced by woven in stainless steel wire  
**external helix:** galvanized steel

### Applications

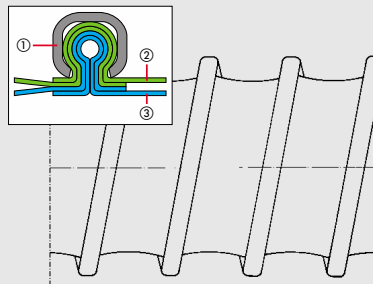
- exhaust-fume extraction from high performance test beds in the motor vehicle industries
- vehicle and engine construction
- suction plants
- shipbuilding industries
- aircraft and defense industries
- general engineering
- furnace construction
- iron and steel works
- infrared-dryer plants
- radiant heat protection
- low pressure applications

### Properties

- very high temperature resistance
- flame resistant
- improved vibration resistance by woven-in reinforcement
- flexible, compressibility 1:3
- small bend radius
- good vacuum-resistance
- silicone free
- 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:
- ③ inside: special-coated high temperature fabric



### Temperature Range

- -75°F up to +1200°F
- intermittent to +1380°F

small amounts of smoke maybe given off when used under positive pressure or with low extraction rates  
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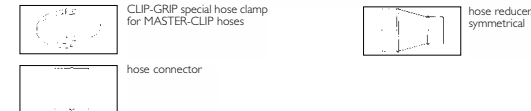
## MASTER-CLIP HT 1200

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	158	1.20	0.87230	229-050-119
2.2	328	140	1.32	0.87230	229-055-119
2.4	281	127	1.44	0.90585	229-060-119
2.6	251	120	1.56	0.97295	229-065-119
2.8	221	106	1.68	1.00650	229-070-119
3.0	201	102	1.80	1.10715	229-075-119
3.2	181	91	1.92	1.20780	229-080-119
3.6	161	84	2.16	1.20780	229-090-119
4.0	141	67	2.40	1.20780	229-100-119
4.4	121	56	2.64	1.27490	229-110-119
4.8	113	47	2.88	1.34200	229-120-119
5.0	109	42	3.00	1.40910	229-125-119
5.2	105	40	3.12	1.40910	229-130-119
5.6	79	35	3.36	1.40910	229-140-119
6.0	69	30	3.60	1.47620	229-150-119
6.4	64	27	3.84	1.61040	229-160-119
6.8	64	24	4.08	1.67750	229-170-119
7.0	59	22	4.20	1.87880	229-175-119
7.2	53	21	5.04	1.87880	229-180-119
8.0	49	17	5.60	2.01300	229-200-119
8.6	47	15	6.04	2.14720	229-215-119
9.0	42	14	6.32	2.28140	229-225-119
10.0	39	12	7.00	2.38205	229-250-119
11.0	37	9	7.72	2.82491	229-275-119
12.0	33	8	8.40	3.08660	229-300-119
12.6	28	7	8.84	2.95240	229-315-119
13.0	25	7	9.12	3.15370	229-325-119
14.0	20	6	9.80	3.35500	229-350-119
15.0	16	5	12.00	3.69050	229-375-119
16.0	16	4	12.80	3.95890	229-400-119
18.0	12	4	14.40	4.49570	229-450-119
20.0	11	3	16.00	4.96540	229-500-119
22.0	10	2	17.60	5.50220	229-550-119
24.0	8	2	19.20	6.03900	229-600-119
28.0	6	2	22.40	6.77710	229-700-119
32.0	5	1	25.60	7.78360	229-800-119
36.0	4	1	28.80	8.85720	229-900-119

\* 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.

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



### Delivery forms:

#### Standard production:

- Dia. 2" - 36"
- Color red
- Standard lengths 10', 25'

#### Available on request:

- special color
- special lengths
- special diameters
- custom design with other pitches and helix sizes
- external helix also in stainless steel

## 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

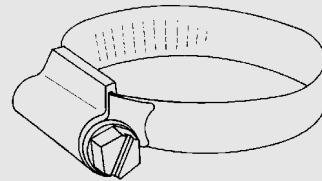
- rust resistant
- extra strength

### 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

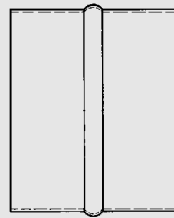
- extending, connecting and attaching lightweight or medium weight hoses

### 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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