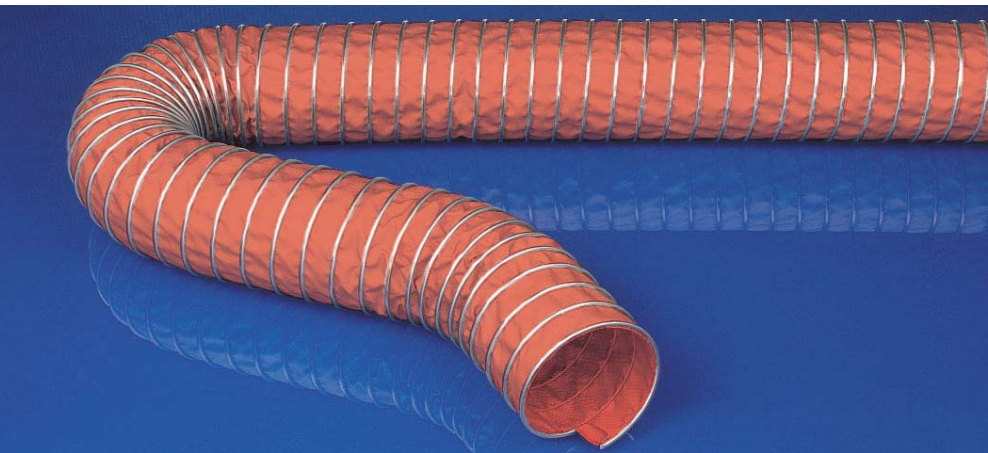


MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +750°F



5.1.11

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

Properties

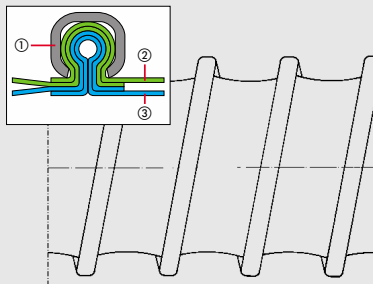
- very high temperature resistance
- flame resistant
- improved vibration resistance by woven-in reinforcement
- flexible, compressibility 1:3
- small bend radius
- good vacuum-resistance
- silicone free
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

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

Construction

- ① external helix
- ② hose wall:
- ③ outside: and 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

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

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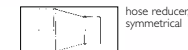
MASTER-CLIP HT 1200

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	4.32	1.87880	229-180-119
8.0	49	17	4.80	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	10.52	3.69050	229-375-119
16.0	16	4	11.20	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
- 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

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

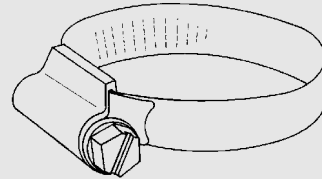
- rust resistant
- extra strength

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

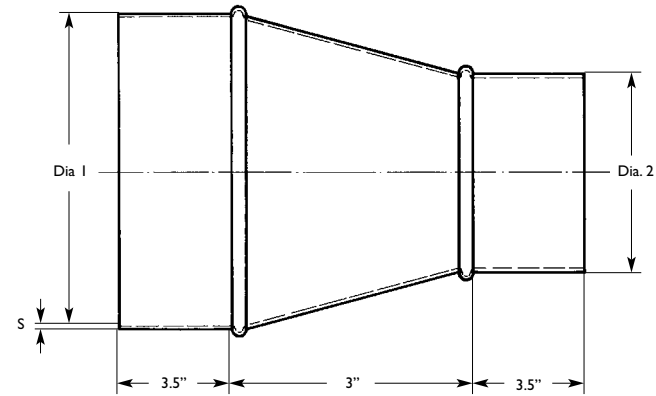
Delivery forms:

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

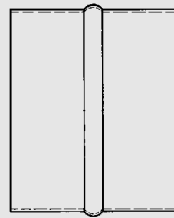
- extending, connecting and attaching lightweight or medium weight hoses

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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