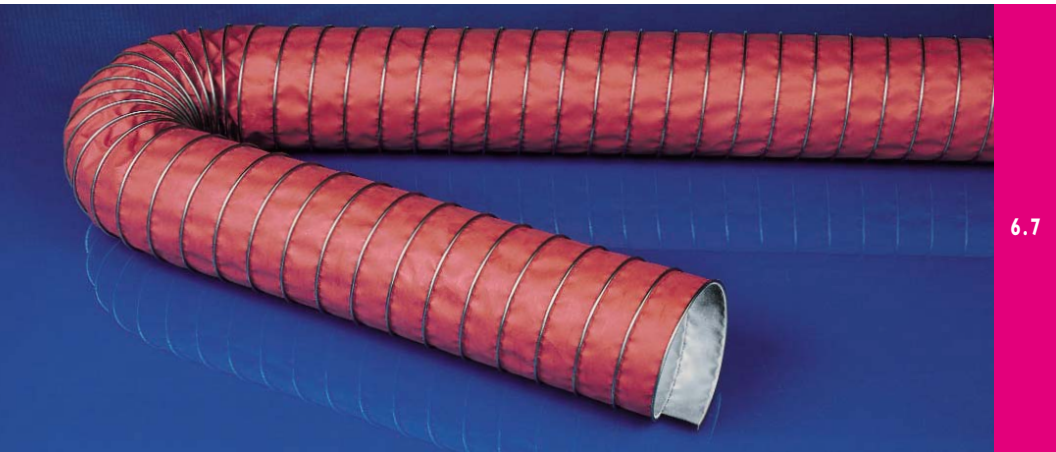


EXHAUST GAS HOSE FOR EXHAUST GAS TEMPERATURES UP TO +930°F



6.7

MASTER-CLIP HT 930

Material

hose wall: special-coated high-temperature fabric, asbestos-free, laminated with high-grade steel foil

external helix: galvanized steel

Applications

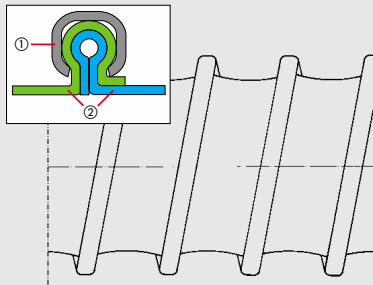
- fume exhaustion in overpressure applications
- vehicle and engine construction
- exhaust-fume extraction from high performance test beds in the motor vehicle industries

Properties

- gas-tight in low pressure applications
- very high temperature resistance against abrasion
- flexible
- compressibility 1:2
- small bend radius
- flame resistant
- good vacuum resistance
- external steel helix protects
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- ① external helix
- ② hose wall: special-coated high temperature fabric



Temperature Range

- -75°F up to +930°F
- intermittent to +1020°F

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

MASTER-CLIP HT 930

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	158	1.20	0.5368	228-050-119
2.2	342	140	1.32	0.5368	228-055-119
2.4	313	127	1.44	0.5368	228-060-119
2.6	273	120	1.56	0.6039	228-065-119
2.8	269	106	1.68	0.6039	228-070-119
3.0	249	102	1.80	0.6039	228-075-119
3.2	245	91	1.92	0.6710	228-080-119
3.6	225	84	2.16	0.6710	228-090-119
4.0	205	67	2.40	0.6710	228-100-119
4.4	193	56	2.64	0.7381	228-110-119
4.8	145	47	2.88	0.7381	228-120-119
5.0	133	42	3.00	0.8723	228-125-119
5.2	113	40	3.12	0.8723	228-130-119
5.6	100	35	3.36	0.8723	228-140-119
6.0	88	30	3.60	0.9394	228-150-119
6.4	84	27	3.84	0.9394	228-160-119
6.8	76	24	4.08	0.9394	228-170-119
7.0	74	22	4.20	1.0736	228-175-119
7.2	69	21	5.04	1.0736	228-180-119
8.0	59	17	5.60	1.2078	228-200-119
8.6	51	15	6.04	1.3420	228-215-119
9.0	46	14	6.32	1.4762	228-225-119
10.0	40	12	7.00	1.6775	228-250-119
11.0	32	9	7.72	1.9459	228-275-119
12.0	28	8	8.40	2.1472	228-300-119
12.6	25	7	8.84	2.2143	228-315-119
13.0	24	7	9.12	2.3485	228-325-119
14.0	23	6	9.80	2.6169	228-350-119
15.0	20	5	12.00	2.9524	228-375-119
16.0	19	4	12.80	3.2879	228-400-119
18.0	18	4	14.40	3.8247	228-450-119
20.0	17	3	16.00	4.3615	228-500-119
22.0	17	2	17.60	4.8983	228-550-119
24.0	16	2	19.20	5.5022	228-600-119
28.0	12	2	22.40	6.4416	228-700-119
32.0	9	1	25.60	7.3810	228-800-119
36.0	6	1	28.80	8.3875	228-900-119

* 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.

Delivery forms:

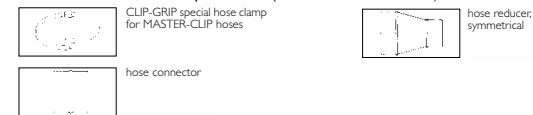
Standard production:

- Dia. 2" - 36"
- Color: inside silver-grey outside red
- Standard lengths 10', 25'

Available on request:

- special diameters
- special lengths
- two layer construction with raised vacuum resistance (up to 30 % more than the single layer standard hose type)
- custom design with other pitches and helix sizes
- external helix also in stainless steel

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



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La Center, Washington 98629 USA
Ph. (800) 252-3993 - Fax (360) 263-9772
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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

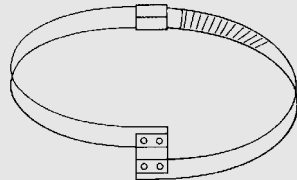
- rust resistant
- easy to install
- extra strength

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

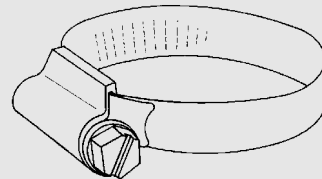
- rust resistant
- extra strength

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

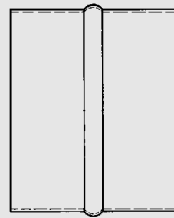
- extending, connecting and attaching lightweight or medium weight hoses

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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