

435 LIBERTY AVENUE
BROOKLYN 7, NEW YORK
AREA CODE 212 HY 8-4000

October 8, 1964

MSTS
USNS Gen. Edwin D. Patrick FAP 124
c/o F.P.O.
San Francisco, Calif.

Att: Mr. R.L. Zimmerling, First Officer

Gentlemen:

Thank you for your recent request for additional information on Ideal's Lox-On - - - the non-magnetic, stainless steel clamp specifically designed for marine applications. Descriptive literature, a sample #6932 and current prices are enclosed.

Lox-On is the new strap type clamp with the double action lock. The patented offset buckle enables two locks to share the band tension and gives twice the clamping power with half the effort. In addition, Lox-On will perform just as effectively on irregular surfaces as on oval or rectangular shapes.

Lox-On is readily available in smaller quantities from a network of carefully selected and strategically located stocking distributors as well as directly from our plant in larger amounts.

Thanks again for your interest in our products. We'll be looking forward to the pleasure of servicing your clamp requirements.

Very truly yours,

A handwritten signature in black ink that reads "W. J. Fox, Jr." The signature is written in a cursive, flowing style.

W. J. Fox, Jr.

enc.

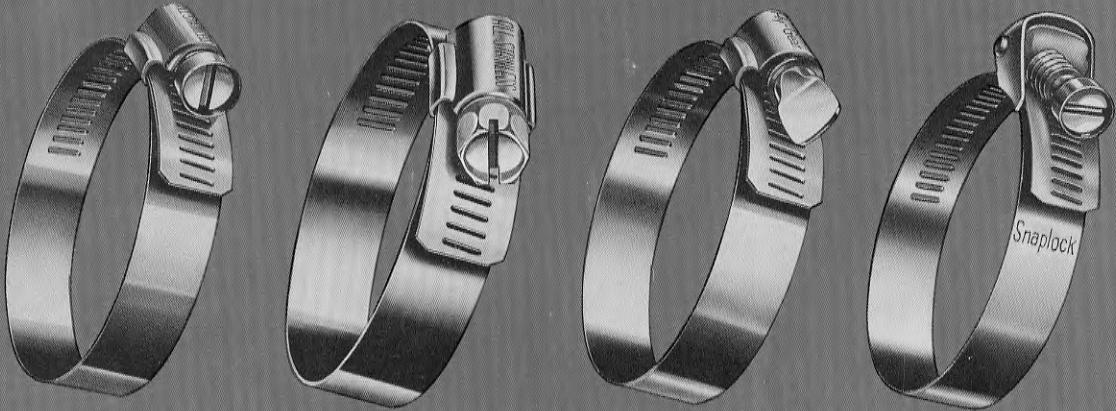
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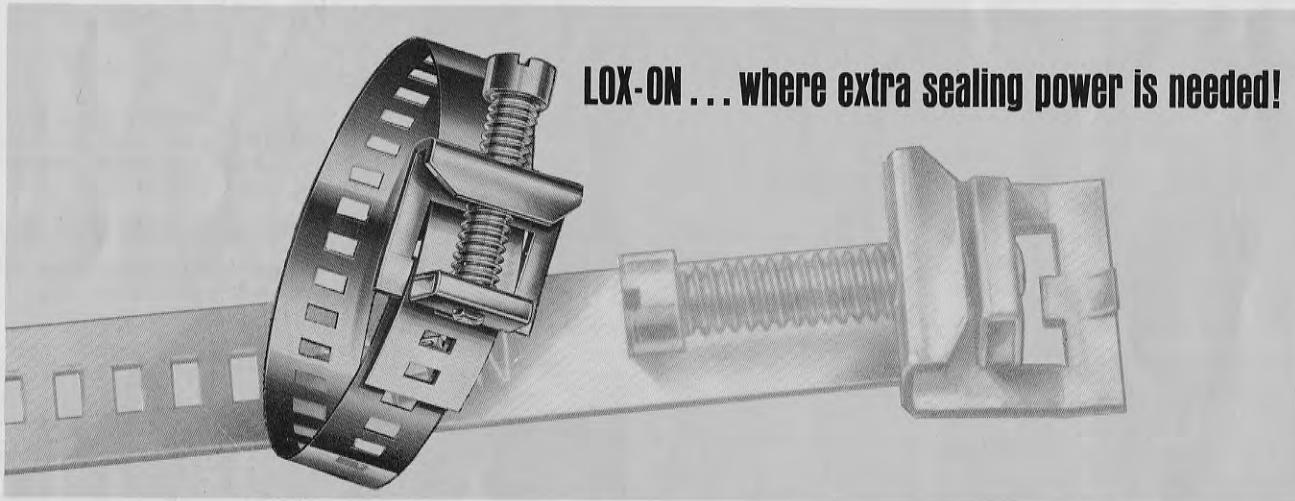
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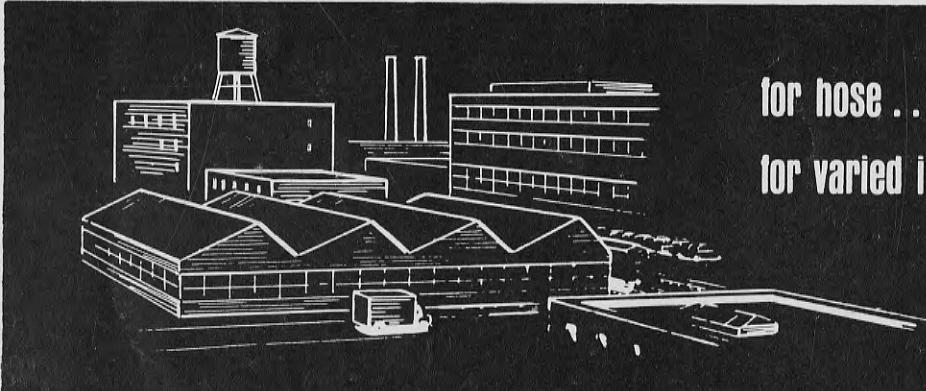
CLAMPS



WORM DRIVE . . . designed to put strength in – keep corrosion out!



LOX-ON . . . where extra sealing power is needed!



**for hose . . . for plastic pipe . . .
for varied industrial applications**

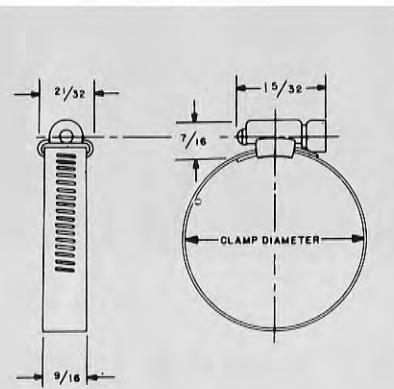
ideal

HY-GEAR worm drive clamps

INTERLOCK CONSTRUCTION — NO SPOT WELDS

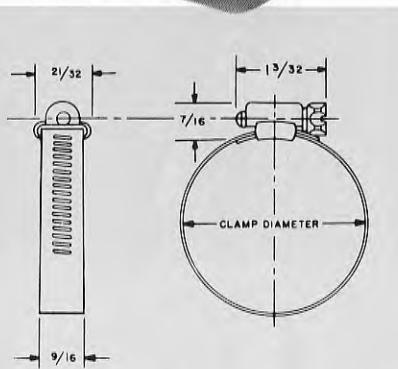
This line of precision worm drive clamps is engineered to insure a permanent leak-proof seal under the most demanding conditions. There are no vulnerable spot welds to rupture under stress. Hy-Gear's unique design interlocks its band and one piece housing to provide the most reliable grip obtainable. Extra wide 9/16" band offers greater compression — cannot mutilate hose. Compact overall design permits installation in confined areas.

Hy-Gear worm drive clamps are widely used in industry not only for hose and tubing connections but as a fastening device on a variety of other components and equipment. For general applications specify sizes required from the "50" or "52" series . . . For the ultimate in corrosion resistance and extra strength needed in marine, plastic pipe, chemical and any other critical industrial applications make size selections from the all stainless "64" or "68" series. Where hand tightening is preferred — in laboratories, on appliances, etc. — specify "53" (thumbscrew) series.



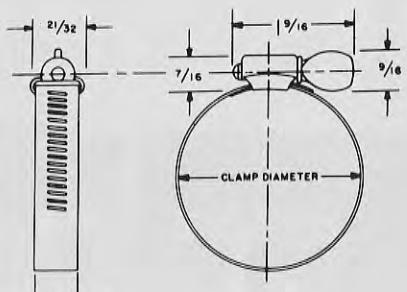
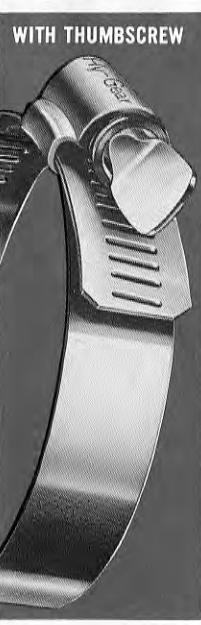
"52" SERIES — Stainless steel band and housing...safety collared screw is cadmium plated.

"64" SERIES . . . all stainless steel. Band and housing of nickel-rich 18-8 — safety collared screw made of 400 series stainless.



"50" SERIES — Stainless steel band and housing . . . 3/8" hex-head screw is cadmium plated.

"68" SERIES . . . all stainless steel. Band and housing of nickel-rich 18-8 — 3/8" deep slotted hex-head screw made of 400 series stainless.



"53" SERIES — Stainless steel band and housing...cadmium plated thumbscrew for easy hand tightening.

CLAMP DIAMETER	CLAMP DIAMETER						
	MIN.	MAX.	"52" SERIES	"64" SERIES	"50" SERIES	"68" SERIES	
			5206	6406	5006	6806	5306
.375	.781		5208	6408	5008	6808	5308
.375	.906		5210	6410	5010	6810	5310
.500	1.063		5212	6412	5012	6812	5312
.500	1.250		5216	6416	5016	6816	5316
.813	1.500		5220	6420	5020	6820	5320
.813	1.750		5224	6424	5024	6824	5324
1.063	2.000		5228	6428	5028	6828	5328
1.313	2.250		5232	6432	5032	6832	5332
1.563	2.500		5236	6436	5036	6836	5336
1.813	2.750		5240	6440	5040	6840	—
2.063	3.000		5244	6444	5044	6844	—
2.313	3.250		5248	6448	5048	6848	5348
2.563	3.500		5252	6452	5052	6852	—
2.813	3.750		5256	6456	5056	6856	—
1.000	4.000		5264	6464	5064	6864	—
1.500	4.500		5272	6472	5072	6872	—
1.938	5.000		5288	6488	5088	6888	—
2.000	6.000		52104	64104	50104	68104	—
2.000	7.000		52104	64104	50104	68104	—



PAT. NOS.
—2,452,806
—2,395,273

SNAPLOCK swivel action clamps



- **CUTS INSTALLATION TIME BY 75%!**
Goes on in seconds! Unique "swivel action" screw makes application easy, fast, positive
- **WIDE ADJUSTMENT RANGE!**
One size does the job of many. Stocked in dia. thru 12 1/4"

Snaplock worm drive clamps are the choice where fast, easy installation or removal is important. Used for hose connections, dust bags, drill attachments, sign hanging and many other applications.

"56" SERIES — Stainless steel band and housing . . . Unique "swivel" screw is cadmium plated.

"56" SERIES	CLAMP DIAMETER	
	MIN.	MAX.
5612	.500	1.250
5620	.813	1.750
5628	1.313	2.250
5636	1.813	2.750
5648	2.563	3.500
5656	.938	4.000
5672	1.938	5.000
5688	2.000	6.000
56104	2.000	7.000
56128	2.000	8.500
56152	2.000	10.000
56188	2.250	12.250

Larger sizes available on special order.

LOX-ON strap type clamps



• DOUBLE LOCKING SECURITY

— two locks share band tension, make clamp twice as effective as conventional types.

• LEAK-PROOF

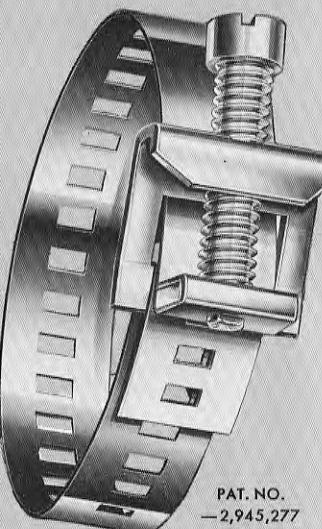
— high efficiency design assures full circle seal on hose, plastic pipe or tubing.

• ALL 18-8 STAINLESS STEEL

— band, buckle and screw. Available also with cadmium plated screw for less critical applications.

• REDUCED INVENTORY — SIMPLIFIED ORDERING

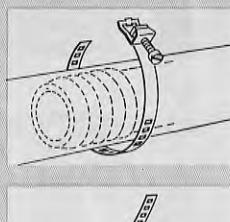
— adapts to all shapes — one size fits diameters 1/2" through 2".



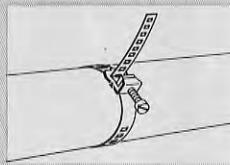
PAT. NO.
—2,945,277

LOX-ON is easy to install!

1. Wrap band around hose or pipe to straddle last serration of insert fitting.



2. Slip band up through buckles. Pull snug and engage Inner Lock "A" in band slot . . . Bend band downward to engage Outer Lock "B".



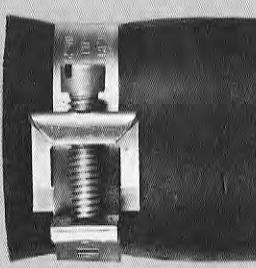
3. Hold band down — tighten screw to allow double locking action to take effect. Clip off excess band material.



CLAMP DIAM.		FITS PLASTIC PIPES		
		ROUND	MIN.	MAX.
6920	5720	1/2 thru 1 1/4	.672	1.828
6932	5732	1/2 thru 2	.672	2.656
6972	5772	1 1/2 thru 4	1.734	5.000
69104	57104	1 1/4 thru 6	4.000	7.250

Twice the seal-half the effort!

Unretouched photo shows Lox-On on 1 1/2" Series III Type III 100 psi (high density) polyethylene pipe — tightened to only 20 inch pounds applied torque.



VERSATILE . . .
conforms to all shapes!



ROUND

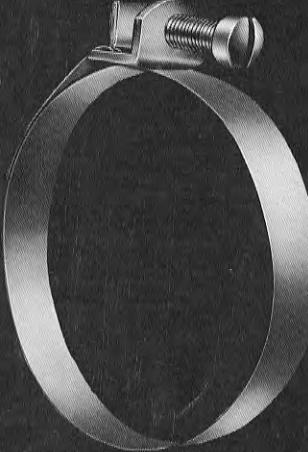
OVAL

RECTANGULAR

CLUSTER

WRAPLOCK

multi-duty strap clamp



- CONFORMS TO ANY SHAPE
- ONE PIECE CONSTRUCTION
- SUPPLIED IN LENGTHS FROM 12" TO 30"
- TWO STYLES

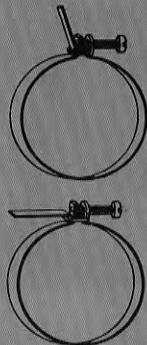
GALVANIZED — "59" Series Wraplock made of $1/2$ " galvanized steel band with cadmium plated screw and buckle.

ALL STAINLESS — "61" Series Wraplock made entirely of 18-8 stainless steel for applications where there are extreme conditions of corrosion. Size 6112 fits hose up to 3" diameter. Larger sizes of all stainless "61" series made on special order.

Here's how it works . . .

WRAP!

Wrap clamp around hose, pipe or tubing. Pull strap up and through buckle.



LOCK!

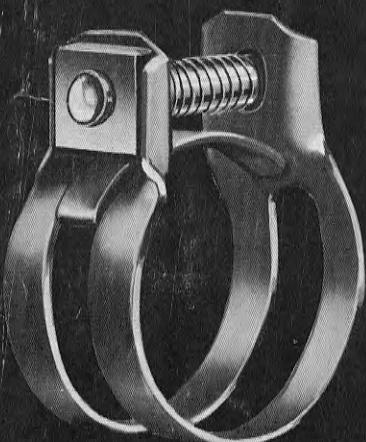
When taut, bend strap sharply. Tighten screw and it's locked.



"59" SERIES	FITS HOSE UP TO	CLAMP DIAMETER		BAND LENGTH
		MIN.	MAX.	
5912	3"	1"	3-1/2"	12"
5915	4"	1"	4-1/2"	15"
5918	4-1/2"	1"	5"	18"
5924	6-1/2"	1"	7"	24"
5930	8-1/2"	1"	9"	30"

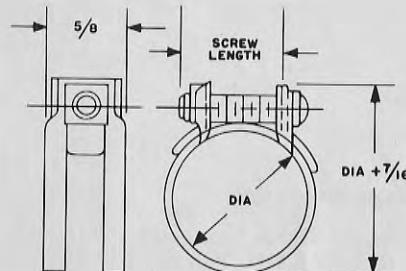
Larger sizes available on special order

"55" AIRLINE



economy type for small hose

- **PERFECT CIRCLE GRIP**
Will not leak or cut hose.
- **5/8" GALVANIZED STEEL BAND**
Cadmium plated screw and nut.



Ideal "55" Airline hose clamps are furnished with a one piece, pre-formed $5/8$ " wide band. Reinforced lugs prevent nut from turning and provide extra strength.

"55" SERIES	FITS HOSE	CLAMP DIAMETER	SCREW LENGTH
5508	1/8"	1/2"	3/4"
5509	3/16"	9/16"	3/4"
5510	1/4"	5/8"	3/4"
5511	5/16"	11/16"	3/4"
5512	3/8"	3/4"	3/4"
5514	1/2"	7/8"	1"
5516	5/8"	1"	1"
5518	3/4"	1-1/8"	1"
5520	7/8"	1-1/4"	1"

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