

**PERKO**<sup>®</sup>  
We make it right. Right here.



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**Catalog No. 250**

The difference is distinctive.<sup>®</sup>



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Manufacturer of  
SHIP AND BOAT EQUIPMENT  
NAVIGATION LIGHTS  
MARINE HARDWARE  
FOR ALL SIZES AND TYPES OF  
VESSELS

CATALOG NO. 250



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# PERKO INC.

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**Marvin S. Perkins**  
PRESIDENT

To Our Friends:

For over 75 years, Perko has been manufacturing hardware for the marine industry worldwide.

We're very proud of that fact. Proud that we were able to carry on the same philosophy the company was founded on . . . to design and manufacture the highest quality marine hardware possible.

It was that kind of pride that motivated Frederick Perkins in 1907 to start his own company — a tiny one-room manufacturing plant in Manhattan serving northeastern ship owners.

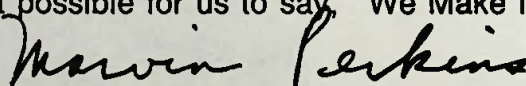
It is with that same pride that the company is still producing top quality products and has blossomed into the world's largest manufacturer of marine lights, hardware and accessories.

So, we're proud to say "We Make It Right." But, we're also proud to say we make it "Right Here."

It was this country that offered Frederick Perkins the opportunity of starting his own company. And, it was this country that enabled Perko to grow from one small room in New York to a 250,000 square foot manufacturing operation in Florida offering over 5,000 marine items.

It is this country that will enable Perko to expand further.

Therefore, it is with great pride that we dedicate our catalog cover to the people and country that have made it possible for us to say, "We Make It Right. Right Here."



Marvin Perkins  
President



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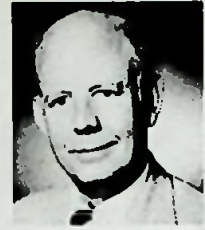


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**Earl Henderson**



**Frederick Perkins**  
**CO-FOUNDERS**  
**Louis E. Perkins**



The origin of Perko may be traced back to the late 1800's. It was then, just prior to the turn of the century, that Frederick Perkins founded a small manufacturing plant in lower Manhattan.

By 1907, he was heavily involved in the manufacturing of a large variety of marine products. And in late 1916, the company — known as Perkins Marine Lamp, Inc. — outgrew its facilities and moved to what was then the farmlands of Brooklyn. It was at this time that Frederick's son, Louis, joined the company.

New products were added to the line, and sales activities expanded beyond the Northeast. The company offered cast bronze lights and hardware, first to the maritime industry, and then to the growing pleasure boat market. In 1922, the "Perko" trademark was introduced.

In the late 1920's the company introduced copper and nickel-plated products from its own plating department. When chromium plating was perfected in the 1930's the first Perko chromium-plated hardware appeared.

The 1930's was a period of exceptional growth. During this time, the company's reputation for manufacturing fine marine lights, hardware, and accessories for the pleasure boating market spread far and fast. In 1932, the company name was changed to Perkins Marine Lamp and Hardware Corporation.

This growth period necessitated additional facilities. The original one story manufacturing plant in Brooklyn grew to five stories. Ultimately, six more buildings were added until finally there was no more room for expansion.

Lou Perkins, who became Perko's president in 1947 upon the passing of his father, Frederick, was responsible for most of the plant expansion. It was in this year, also, that Lou's son Marvin joined the firm.

The company continued to grow, and, by the late 1950's, it was obvious that there was no more room for expansion in the Brooklyn site. It was then that Lou and Marvin made the decision to move the entire operation to Miami, Florida.

In 1960, Perko was able to entice Roy Hollenbeck into joining the company. Roy's extensive experience in manufacturing, plating, engineering, designing, and production was perfectly suited for his first challenge — to plan and coordinate the move from New York to Miami.

It was agreed that instead of separate facilities, everything should be placed under one roof. Additionally, since the new plant was to be quite large and extensive,



encompassing a whole range of complete in-house production capabilities — from mill material to finished product — most subcontractors could be eliminated. Roy spent a great deal of time in laying out the plans for the new building and supervising the construction to insure that everything was located precisely where the plans indicated.

Finally, in January 1961, the company moved into its present site in North Miami, Florida. In late 1961, Perko's bronze foundry was established. In 1962, one die-cast machine was operational. Three years later, the die-casting operation had grown so extensively that a 47,000 square foot wrap-around extension was completed and a highly sophisticated die-casting system was established.

Upon the passing of Louis Perkins in 1964, Marvin continued to add to Perko's facilities. From an initial plant of 78,000 square feet, Perko's facilities now span approximately 250,000 square feet of office and manufacturing space. With this tremendous growth and expansion, you might think that the company would go through a period of stabilization. Not so, however, Perko has continued to innovate, grow, and expand.

In the late 1960's Marvin's son Fred — one of the industry's most knowledgeable authorities on navigational light requirements for vessels of all sizes — joined Perko. At the same time, the company introduced pressure-cast bronze hardware to the marine industry. In 1971, the plating department was

expanded to handle the complete seven-strike Perko-plate chromium plating process.

In 1973, the old foundry was totally replaced with an ultra-modern, 20,000 square foot foundry facility incorporating larger and up-to-date molding and melting equipment. In 1977, the plating department was subsequently updated again with an automated quality-control system and increased capacity. In 1979, a 35,000 square foot plastics injection molding facility became operational.

But from the very inception, and through every growth period, one thing remained constant — Perko's commitment to excellence. In that respect, nothing has changed since the late 1800's.





# GENERAL INFORMATION

## PRICES AND TERMS

Our costs are subject to change due to causes beyond our control. Therefore, our price list is only intended for guidance of our jobbers and does not necessarily establish resale prices. Applicable governmental regulations, shipping costs and other complications should be considered in arriving at a fair price. **All prices are subject to change without notice.** Terms are 2% 10th prox. net 30 days. Orders from firms unknown to us and having no satisfactory commercial credit rating must be accompanied by cash or satisfactory references. C.O.D. shipments will be made if a 25% deposit is sent with order. Cash discounts do not apply to C.O.D. Shipments.

## SALES POLICY

PERKO Products are sold through our established Distributors. We do not sell direct to the public or organizations. Therefore, possession of this catalog does not infer an offer to sell. Please contact your local marine supplier.

## ONE-YEAR LIMITED WARRANTY

PERKO, INC. (PERKO) warrants to the original consumer purchaser that PERKO's consumer products will be free from defective materials or workmanship, under normal use and service, for a period of one (1) year from the original purchase date.

**ALL IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY, ARE ALSO LIMITED IN DURATION TO THE ONE YEAR PERIOD FROM THE ORIGINAL PURCHASE DATE. PERKO SHALL NOT BE LIABLE FOR LOSS OR USE OF ANY OF ITS CONSUMER PRODUCTS, NOR SHALL PERKO BE LIABLE FOR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY THE ORIGINAL CONSUMER PURCHASER OR BY ANY OTHER PERSON, FIRM OR CORPORATION.**

**SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY OR MAY NOT APPLY TO YOU. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.**

This Warranty is void if the consumer product warranted has been damaged by accident or unreasonable use, neglect, improper service or other cause not arising out of defects in material or workmanship. Excluded from this Warranty are Electric light bulbs (Lamps), Sealed Beam Units, Batteries, Fuses and all Sacrificial type Zinc Electrolysis Eliminators.

During the warranty period, your PERKO product will either be repaired or it will be replaced with a like product (at PERKO's option) without charge to the original consumer purchaser, when returned prepaid and insured, with proof-of-purchase date to PERKO at its address as listed below. In the event of replacement, the replacement product will continue the warranty of the original product, or ninety (90) days, whichever is longer. **IMPORTANT: FOR THIS WARRANTY TO BE EFFECTIVE PERKO MUST BE SUPPLIED WITH PROOF-OF-PURCHASE DATE OF THE PRODUCT.**

## PERKOPLATE LIMITED WARRANTY

Perko, Inc. guarantees that all of its products finished with PERKOPLATE chromium plating process will maintain their original luster and brightness for as long as the original consumer-purchaser owns it.

During the Warranty period, Perko, Inc. agrees to repair or replace, (at Perko's option) without cost to the original consumer-purchaser, any product upon which the PERKOPLATE chromium finish corrodes, becomes dull or otherwise does not maintain its original luster and brightness. For this Warranty to be effective, the Perko product must be returned prepaid and insured to Perko, Inc. at its address shown below.

This Warranty is void if the PERKOPLATE finish has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in material or workmanship.

**IN NO EVENT SHALL PERKO, INC. BE LIABLE FOR LOSS OF USE OF ITS CONSUMER PRODUCTS NOR FOR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY ANY PERSON.**

Some States do not allow the exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Perko does not authorize any person or company to create for it any other obligation or liability in connection with any of its products.

This Warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

## DESIGNS

For the purpose of constant improvement in our products, the designs and specifications are subject to change without notice.

## RETURN GOODS

Material made to order is not returnable. Stock material is only returnable when permission has been granted by us, and is subject to a handling and refinishing charge. Shipping charges must be prepaid. Be sure to give date and number of invoice. Permission must be requested within 30 days after receipt of material.

## WEIGHTS

The weights given in this catalog are approximate, but should be sufficient for general purposes.

## SHIPPING INSTRUCTIONS

Customers should send specific shipping instructions, if this is not done, we will use our own judgement in selecting route.

## SHIPMENTS

F.O.B. OUR PLANT, MIAMI, FLORIDA, unless quoted otherwise. We are not responsible for damage, loss or delay after goods are delivered to carrier. When loss or delay occurs, we will gladly assist in tracing or expediting, but such assistance is no criterion of responsibility.

When there is **LOSS OR APPARENT VISIBLE DAMAGE** to a shipment, when tendered for delivery, **DO NOT** give the carrier a clear receipt. Note such damage on the carrier's delivery receipt and **HAVE THE DRIVER SIGN THE RECEIPT.**

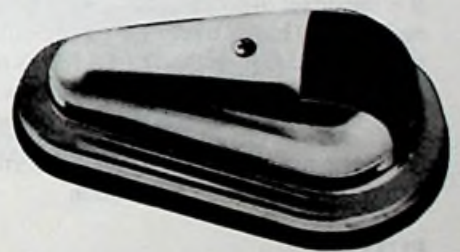
## CONCEALED DAMAGE OR LOSS

1. Advise the delivering carrier in writing as soon as discovered or at least no more than 15 days after delivery, and request carrier to make an inspection.
2. **RETAIN** for the carrier's inspection, the **CONTAINER** and **ALL PACKING** that the damaged or lost material was packaged in.
3. **SHORTAGES** — Must be reported to us within 15 days after receipt of goods.



**PERKO®**

**CERTIFIED  
NAVIGATION LIGHTS  
FOR VESSELS  
UNDER 20 METERS  
(65.6 ft.)**



MANUFACTURED BY PERKO, INC., 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164-0414  
FOR COMPLETE LINE SEE CATALOG NO. 250



# CERTIFICATION OF NAVIGATION LIGHTS FOR VESSELS UNDER 20 METERS (65.6 Ft.)

## BACKGROUND

The National Marine Manufacturers Association is a national trade association serving all elements of the recreational boating industry. Its members include manufacturers of all types of boating equipment - outboard and inboard boats, sailboats, marine engines, outboard motors, boat trailers, boating accessories and supplies.

NMMA has developed certification programs to help manufacturers comply with established standards and safety regulations, and to help inform the public of such compliance when purchasing equipment.

In 1968 NMMA inaugurated a certification program for boat manufacturers including horsepower and load capacity, flotation, steering and fuel systems, compartment ventilation, navigation lights and backfire flame control.

A manufacturer participating in this program must certify all models less than 26 feet in length (except racing boats) as fitted with standard equipment on a model year basis.

Inspectors from a nationally recognized independent testing laboratory visit the manufacturer, and physically inspect each model for compliance with all boat certification standards.

During the past several years we have devoted a great deal of time and expense to field and laboratory testing in an effort to comply with NMMA standards and to enable us to certify accordingly.

## PRESENT

Currently, federal regulations for navigation lights on vessels under 20 meters are split. The U.S.C.G. regulates and enforces the configuration and carriage of lights on the vessel, but industry standards regulate the design, manufacture, and certification of the lights. At the moment, the only means of certification widely recognized in the United States is through the NMMA program discussed above.

It is important to note that navigation lights can be tested and certified to meet the 72 COLREGS in a foreign country, however, each country has its own testing and certification procedure, which differs from the U.S. procedure. This means that a navigation light certified to meet the 72 COLREGS may be referring to approvals granted by another government, and cannot be recognized by the USCG for U.S. vessels until such time as the light passes the U.S. Standard. At this time, our government has no plans to accept foreign approvals as meeting the U.S. Standard.

Our navigation lights presently are certified under the NMMA Certification Procedure. The marking "A-16" on the light fixture indicates this certification.

## FUTURE

PERKO shall continue to progress in meeting the latest standards. Due to the somewhat volatile nature of the rulemaking on this subject, it is difficult to predict when and in what exact form new regulations will appear. Once this happens, we will have navigation lights certified to the new standard well in advance of the "effective dates" (the dates that the regulation specifies that only navigation lights certified to the new standard may be installed on a vessel).

The U.S. Coast Guard has also indicated that a vessel under 20 meters which was fitted with navigation lights prior to the effective date, need not refit with lights certified to the new standard.

## INTERNATIONAL AND INLAND RULES

The U.S. Coast Guard has published rulemaking covering the technical details of navigation lights in accordance with both the International Rules (72 COLREGS) and the Inland Navigation Rules Act of 1980 (Public Law 96-591). These navigation rules are bound into a single volume and may be obtained from either the U.S. Coast Guard or the Superintendent of Documents by specifying "Comdtinst M16672.2".

To summarize, PERKO is, and will continue, to manufacture navigation lights that meet all current and future U.S. regulations. The proper installation of a current model of PERKO navigation lights will assure the meeting of the U.S. regulation in effect at the time.





# COMBINATION SIDE LIGHTS

CHROME PLATED TOPS — BLACK PLASTIC BASES — RED AND GREEN LENSES

1 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB

FOR USE ON POWER DRIVEN VESSELS UNDER 12 METERS (39.4 FT.)

Patent No. 3,828,714

Size Base Inches	Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
4 x 3 1/8	1 7/8	8	1	50	5 1/2



Fig. 1161 — Chrome Plated Bronze  
Fig. 1310 — Chrome Plated Zinc

Fig. 1410 — Chrome Plated Zinc with Black Insert

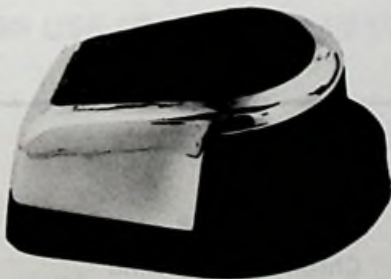
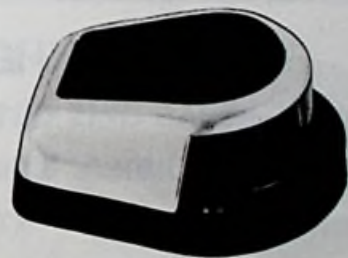
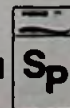


Fig. 1510 — Chrome Plated Zinc with Teak Insert

Figs. 1310 and 1510 available in Skin Pack, See Section L.





# COMBINATION SIDE LIGHTS

RED AND GREEN LENSES — 1 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB  
 FOR USE ON SAIL\* OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 FT.)



Fig. 1610

Fig. 1610  
 Black Plastic

Height Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1½	2¼	1	¾	8	1	50	2¼



Fig. 904

Figs. 904 & 972  
 Chrome Plated Brass Tops  
 Black Plastic Bases

Fig. 904

Height Inches	Length Inches	Width Inches	Screw Size	Standard Package	Weight Ounces
1¼	4¼	2½	4	1	3½



Fig. 972

Fig. 972

Height Inches	Diameter Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1½	2¾	4	1	25	3

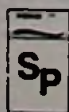


Fig. 1218

Fig. 1218  
 Chrome Plated Zinc

Height Inches	Size Base Inches	Staff Socket Inches	Screw Size	Standard Package	Weight Ounces
3¾	6¼x3¾	¾	8	1	12

\*Fig. 1218 for use on power driven vessels only.



Figs. 972 and 1218 AVAILABLE IN SKIN PACK, SEE SECTION L.





## COMBINATION SIDE LIGHTS STOW-A-WAY TYPE

RED AND GREEN LENSES — 1 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB  
FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 FT.)

REMOVABLE LIGHT WITH WATERPROOF COVER FOR BASE

**Fig. 970**

**Chrome Plated Brass Top  
Chrome Plated Zinc Base**

Height Inches	Diameter Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
8½	2¼	8	1	50	8

**Fig. 1612**

**Black Plastic Top  
Chrome Plated Zinc Base**

Height Inches	Diameter Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
8½	2¼	8	1	50	7



**Fig. 1612**



**Fig. 970**

## TRI-COLOR MASTLIGHT

BLACK PLASTIC TOP — CHROME PLATED ZINC BASE

COMBINATION RED AND GREEN — 1 MILE VISIBILITY

WHITE — 2 MILE VISIBILITY

COMPLETE WITH (2) 12 VOLT, 10 WATT BULBS

FOR USE ON VESSELS UNDER SAIL ALONE UNDER 12 METERS (39.4 FT.)

**Fig. 1201**

Height Inches	Size Base Inches	C. to C. Mounting Holes	Screw Size	Standard Package	Weight Ounces
4¼	1x2½	1¾	8	1	7

Note: Base is easily Removable For  
Mounting Light on 3/4" O.D. Tubing



**Fig. 1201**



## SIDE LIGHTS

RED AND GREEN LENSES — 1 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB  
FOR USE ON SAIL\* OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 FT.)

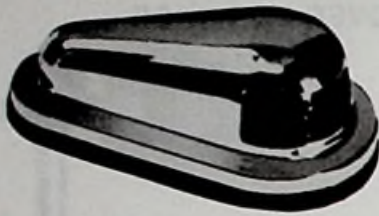


Fig. 915

Figs. 915, 955 & 963

Chrome Plated Brass Tops  
Black Plastic Bases

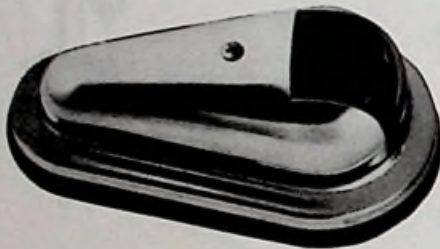
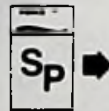


Fig. 955

Figs. 915 & 955



Length Inches	Width Inches	Projection Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
4 1/4	2 3/4	1 1/4	4	1 pr.	10 pr.	7

Fig. 955 Available in Skin Pack, See Section L.



Fig. 963

Fig. 963

Height Inches	Diameter Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
1 1/4	2 3/4	4	1 pr.	10 pr.	6



Fig. 1264

Fig. 1264

Chrome Plated Zinc

Length Inches	Width Inches	Projection Inches	Screw Size	Standard Package	Weight Per Pair Pounds
5 1/2	3 1/4	1 1/4	8	1 pr.	1 3/4

\*Fig. 1264 for use on power driven vessels only.



# STERN LIGHTS

**CLEAR LENS — 2 MILE VISIBILITY — COMPLETE WITH BULB  
FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)**

**Figs. 945 & 965**  
**Chrome Plated Brass Tops**  
**Black Plastic Bases**

For 12 Volts

Height (Projection) Inches	Diameter Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1 5/8	2 3/8	4	1	25	3

These items are available in Skin Pack, See Section L.



Fig. 945



Fig. 965

**Figs. 939 & 946**  
**Chrome Plated Brass**  
**Black Plastic Bases**

No. 1 for 12 Volts  
No. 3 for 32 Volts

**Fig. 939**

Dimensions Overall Inches	Depth Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
5 1/4 x 3 3/4	1 1/2	8	1	20	6

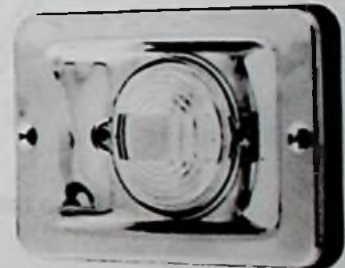


Fig. 939

**Fig. 946**

Diameter Inches	Depth Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3	1 1/4	8	1	25	4

Fig. 946 No. 1 Available in Skin Pack, See Section L.

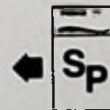


Fig. 946

**Fig. 1332**  
**Chrome Plated Zinc**  
**Black Plastic Base**

For 12 Volts

Height Inches	Width Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3 3/4	1 1/2	5	1	50	4



Fig. 1332



# ALL-ROUND WHITE LIGHTS TELESCOPING TYPE

CLEAR GLOBE — 2 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB  
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)

CHROME PLATED TOPS AND BASES — 3/4" DIAMETER ANODIZED ALUMINUM TUBES

*Figs. 1311 & 1148*

*Chrome Plated Zinc Tops and Bases*



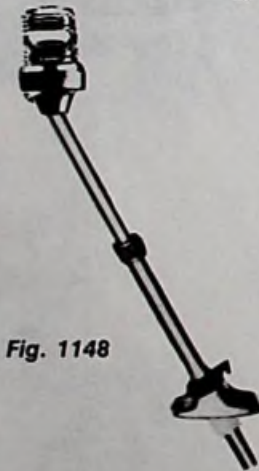
*Fig. 1311*

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	20	8	1	50	7/8
3	30	25½	8	1	50	1
4	36	31	8	1	50	1½

Base, Length 3¼", Width 1½".



*Fig. 1311 No. 2 Available in Display Pack, See Section L.*



*Fig. 1148*

**Double Telescoping**

Minimum Length Inches	Maximum Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
6	52	46¾	8	1	50	1½

Base, Length 3¼", Width 1½".



*Fig. 1126*

**Chrome Plated Brass Top and Base**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	21½	8	1	50	1
3	30	27¾	8	1	50	1½
4	36	32¾	8	1	50	1½

Base, Length 3¾", Width 2¼".



*Fig. 1126 No. 2 available in Display Pack, See Section L.*



# ALL-ROUND WHITE LIGHTS TELESCOPING TYPE

A-9

WHITE GLOBE — 2 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB

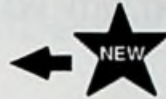
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)

CHROME PLATED ZINC TOPS AND BASES — 3/4" DIAMETER ANODIZED ALUMINUM TUBES

**Fig. 1401**  
WITH LOW PROFILE BASE

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	20-1/2	8	1	50	7/8
3	30	27-3/4	8	1	50	1
4	36	33-3/4	8	1	50	1-1/8

Base, Length 3-3/4", Width 1-1/2".



**Figs. 1401 & 1411**  
with Black Insert

**Fig. 1411 & 1511**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	21	8	1	50	7/8
3	30	26-3/4	8	1	50	1
4	36	32-1/2	8	1	50	1-1/8

Base, Length 3-1/2", Width 1-1/2".

**Fig. 1511**  
with Teak Insert

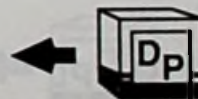


**Fig. 1611**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	19-1/2	8	1	50	7/8
3	30	25-1/4	8	1	50	1
4	36	31	8	1	50	1-1/8

Base, Length 3-1/4", Width 1-5/8".

All the above lights in Size #2 Available in Display Pack. See Section L.

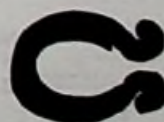


**Fig. 1611**

## HALYARD EYES — Figs. 234 & 235

Black Plastic — Fits 3/4" Diameter Tubing

Standard Package, 10 pieces.



**Fig. 234**



With Brass Snap  
**Fig. 235**

# ALL-ROUND WHITE LIGHTS STOW-A-WAY TYPE

CLEAR OR WHITE GLOBE — 2 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB

FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)

CHROME PLATED TOPS AND BASES — 3/4" ANODIZED ALUMINUM TUBES

REMOVABLE LIGHT WITH WATERPROOF COVER FOR BASE



Fig. 1330

**Fig. 1330 & 1630**  
**Chrome Plated Zinc Tops and Bases**

**Fig. 1330**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	19	8	1	50	1
3	30	25-1/2	8	1	50	1-1/8
4	36	31	8	1	50	1-1/4

Base, Length 3-1/4", Width 1-5/8".



Fig. 1630

**Fig. 1630**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	19	8	1	50	1
3	30	25-1/2	8	1	50	1-1/8
4	36	31	8	1	50	1-1/4
6	48	43	8	1	50	1-1/2
7	54	47-1/2	8	1	50	1-5/8

Base, Length 3-1/4", Width 1-5/8".

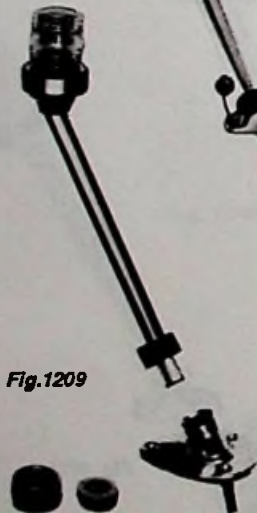


Fig. 1209

**Fig. 1209**  
**Chrome Plated Brass Top and Base**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	20-1/2	8	1	50	1
3	30	27-1/4	8	1	50	1-1/4
4	36	32-3/4	8	1	50	1-1/2

Base, Length 3-3/8", Width 2-1/4".



All the above lights in Size #2 Available in Display Pack. See Section L.

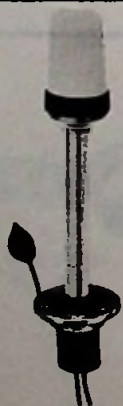


Fig. 1631

**Fig. 1631**  
**Chrome Plated Zinc Top and Base**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
5	42	41	8	1	50	1-3/8
6	48	47	8	1	50	1-1/2

Base, Diameter 2-1/8".



# ALL-ROUND WHITE LIGHTS STOW-A-WAY TYPE

A-11

WHITE GLOBE — 2 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB

FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)

CHROME PLATED ZINC TOPS AND BASES — 3/4" DIAMETER ANODIZED TUBES

REMOVABLE LIGHT WITH WATERPROOF COVER FOR BASE

**Fig. 1402**  
WITH LOW PROFILE BASE

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	20-1/2	8	1	50	1
3	30	27-3/4	8	1	50	1-1/8
4	36	33-3/4	8	1	50	1-1/4
5	42	41-1/8	8	1	50	1-3/8
6	48	47	8	1	50	1-1/2
7	54	52	8	1	50	1-5/8

Base, Length 3-3/4", Width 1-1/2".



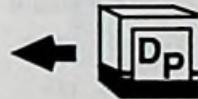
**Figs. 1402 & 1430**  
with Black Insert

**Fig. 1430 & 1530**

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2	24	20-1/4	8	1	50	1
3	30	27-1/4	8	1	50	1-1/8
4	36	33	8	1	50	1-1/4

Base, Length 3-1/2", Width 1-1/2".

All the above Lights in Size #2 Available in Display Pack. See Section L.



**Fig. 1530**  
with Teak Insert

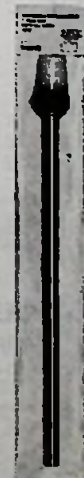
## UNIVERSAL REPLACEMENT STOW-A-WAY TYPE — Fig. 1400-DP

This unit has been designed to fit PERKO Figs. 1330, 1402, 1430, 1530, 1630 and 1631 as well as many competitive pole light bases.

It is offered as an economical alternative to replacing an entire light fixture when only the pole section has been lost or damaged.

No.	Length Inches	Weight Pounds
1400 DP2	24	1/2
1400 DP3	30	5/8
1400 DP4	36	3/4
1400 DP5	42	7/8
1400 DP6	48	1
1400 DP7	54	1-1/8

Note: All sizes are shipped in convenient, attractive Display Packages.



**Fig. 1400-DP**

Standard Minimum Package, 10 pieces per size.

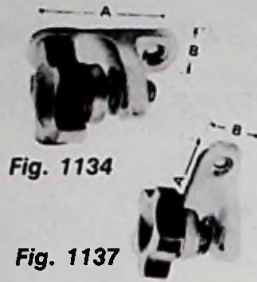
# ALL-ROUND WHITE LIGHTS

CLEAR, FROSTED OR WHITE GLOBE — 2 MILE VISIBILITY —  
 COMPLETE WITH 12 VOLT BULB  
 FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)

FOLD DOWN WINDSHIELD MOUNT

*Figs. 1134 & 1137*

CHROME PLATED ZINC TOPS AND BASES  
 ANODIZED ALUMINUM TUBES



*Fig. 1134*

*Fig. 1137*

Height Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
13½	12¼	8	1	50	13

	Mounting Bracket Dimensions Inches	
	"A"	"B"
<i>Fig. 1134</i>	2	5/8
<i>Fig. 1137</i>	2¼	5/8

FIXED MOUNT

*Figs. 455 & 1301*

CHROME PLATED ZINC TOPS AND BASES  
 ANODIZED ALUMINUM TUBES

*Fig. 455*



*Fig. 1301*



*Fig. 455*

No.	Height Inches	Vertical Height Inches	Size Base Inches	Screw Size	Weight Ounces
1	6	5½	3 x 2½	8	12
2	12	10½	3 x 2½	8	16

*Fig. 1301*

Height Inches	Size Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
8	1 x 2½	8	1	50	7

*Figs. 362 & 371*

PRESSURE CAST BRONZE  
 PLAIN BRONZE OR CHROME PLATED BRONZE



*Fig. 362*  
Pipe Mount



*Fig. 371*  
Surface Mount

Fig.	Height Inches	Diameter Base Inches	Screw Size	Tapped Pipe Size Inches	Weight Ounces
362	3¾	—	—	½	8
371	2½	2½	8 F.H.	—	10

# ALL-ROUND WHITE LIGHTS

2 MILE VISIBILITY — CAST BRONZE — PLAIN BRONZE OR CHROME PLATED BRONZE  
 BULBS NOT INCLUDED

Fig.	Height Inches	Diameter Base Inches	Screw Size	Tapped Pipe Size Inches	Weight Pounds
112	8¾	3½	8	—	3¾
309	6½	—	—	½	2½

White, Specify Fig. No. and A or B  
 Yellow, Specify Fig. No. and MA or MB  
 Red, Specify Fig. No. and RA or RB  
 Green, Specify Fig. No. and GA or GB

*Figs. 112A & 309A*

DOUBLE CONTACT BAYONET SOCKET FOR 12, 24, 32 OR 120 VOLTS  
 FOR POWER DRIVEN VESSELS UNDER 50 METERS (164.0 FT.)  
 USE FIG. 374 BULBS, SPECIFY VOLTAGE.

*Figs. 112B & 309B*

MEDIUM SCREW SOCKET FOR 12 OR 32 VOLTS  
 FOR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)

White & Yellow use *Fig. 340* 15 watt A-17 frosted Bulb, specify voltage.  
 Red & Green use *Fig. 340* 25 watt A-19 frosted Bulb, specify voltage.



*Fig. 112*  
Surface Mount



*Fig. 309*  
Pipe Mount





# MASTHEAD LIGHTS

**CLEAR LENS — 2 MILE VISIBILITY — COMPLETE WITH 12 VOLT BULB  
FOR USE ON SAIL\* OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 FT.)**

**Figs. 903 & 964  
Chrome Plated Brass Tops  
Black Plastic Bases**

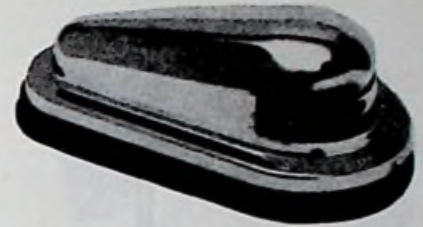


Fig. 903

	Height Inches	Width Inches	Length Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
Fig. 903	1 3/4	2 3/4	4 1/4	4	1	—	4
Fig. 964	1 5/8	2 3/4	—	4	1	25	3

Fig. 964 available in Skin Pack, See Section L.

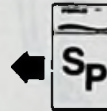


Fig. 964

**Fig. 1178  
Black Plastic and Chrome Plated Zinc Top  
Chrome Plated Zinc Base**

Height Inches	Size Base Inches	Screw Size	Weight Ounces
4 1/4	1 x 2 3/4	8	7



Fig. 1178

**Fig. 1331  
Chrome Plated Zinc  
Black Plastic Base**

Height Inches	Width Inches	Screw Size	Weight Ounces
3 3/4	1 1/2	5	4



Fig. 1331

**Fig. 1265  
Chrome Plated Zinc**

Height Inches	Width Inches	Length Inches	Screw Size	Weight Ounces
3 3/4	3 3/4	6 1/4	8	12



Fig. 1265

\*Fig. 1265 For use on Power Driven Vessels only.



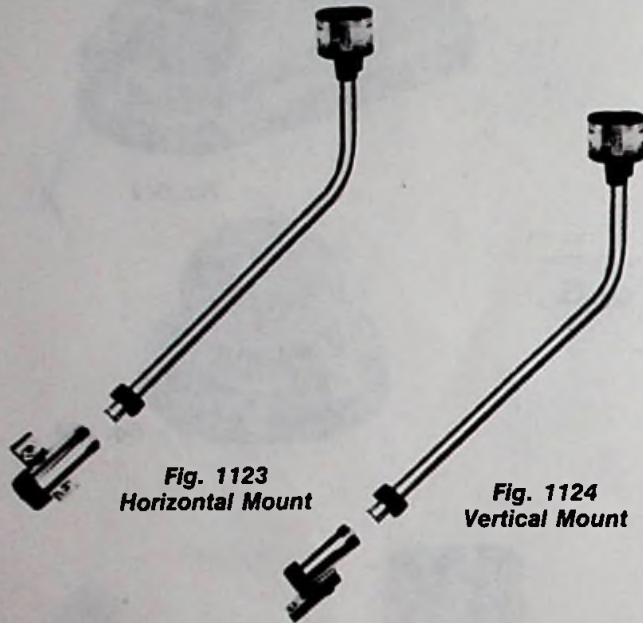
As a 225° Masthead Light

Patent No. 3,344,264

# COMBINATION MASTHEAD AND

FOR USE ON SAIL OR POWER DRIVEN

CLEAR LENSES — MEETS BOTH 2  
AND 3 MILE VISIBILITY REQUIREMENTS



**Fig. 1123**  
Horizontal Mount

**Fig. 1124**  
Vertical Mount

**STOW-A-WAY** Figs. 1123, 1124 & 1125

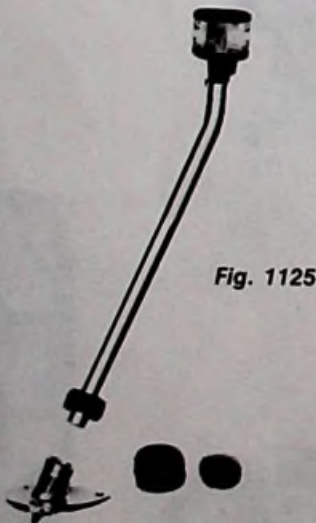
BLACK PLASTIC AND CHROME PLATED ZINC TOPS  
WITH WATERPROOF COVER FOR BASE

Figs. 1123 & 1124 WINDSHIELD MOUNT

CHROME PLATED ZINC MOUNTING BRACKETS

COMPLETE WITH PLASTIC ADAPTERS FOR  
FLAT OR V-TYPE 45 DEGREE WINDSHIELDS

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
1	13½	11½	8	1	50	1
2	26½	21½	8	1	50	1½



**Fig. 1125**

**Fig. 1125 DECK MOUNT**

CHROME PLATED BRASS BASE

No.	Length Inches	Vertical Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
4	36	32½	8	1	50	1½



**Fig. 1192**

**GLARE SHIELD — Fig. 1192**

BLACK PLASTIC — FOR 3/4" O.D. TUBING

THIS SHIELD CAN BE INSTALLED  
WITHOUT REMOVING LIGHT. MOUNTING  
SCREWS SUPPLIED.

Dimensions Inches	Standard Package	Weight Ounces
6 x 4½	5	3

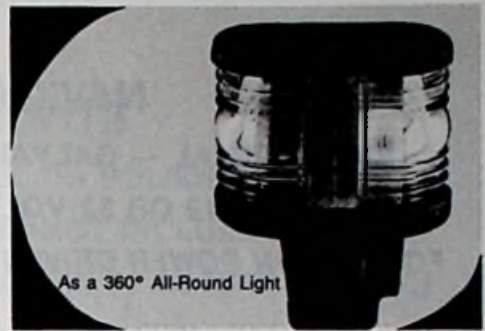




# ALL-ROUND WHITE LIGHTS

VESSELS UNDER 20 METERS (65.6 FT.)

3/4 DIAMETER ANODIZED ALUMINUM TUBES  
COMPLETE WITH 2-12 VOLT BULBS



## FOLD-DOWN WINDSHIELD MOUNT

*Figs. 1181, 1182, 1184 & 1195*

BLACK PLASTIC AND CHROME PLATED TOPS

*Figs. 1181, 1182 & 1184*

CHROME PLATED ZINC MOUNTING BRACKETS  
ADJUSTABLE ANGLE — LIGHT CAN COMPENSATE  
FOR ANGLE OF WINDSHIELD

Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
13 1/2	8	1	50	3/4

### MOUNTING BRACKET DIMENSIONS (INCHES)

Fig.	"A"	"B"
1181	2	5/8
1182	2	5/8
1184	2 1/4	5/8

*Fig. 1195*

## STAINLESS STEEL MOUNTING BRACKET FOR 45 DEGREE WINDSHIELDS

Length Inches	Vertical Height Inches	Mounting Bracket Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
20	14	1 1/4 x 3	6 R.H.	1	10	7/8

## FIXED MOUNT

*Figs. 1183, 1196 & 1197*

*Fig. 1183*

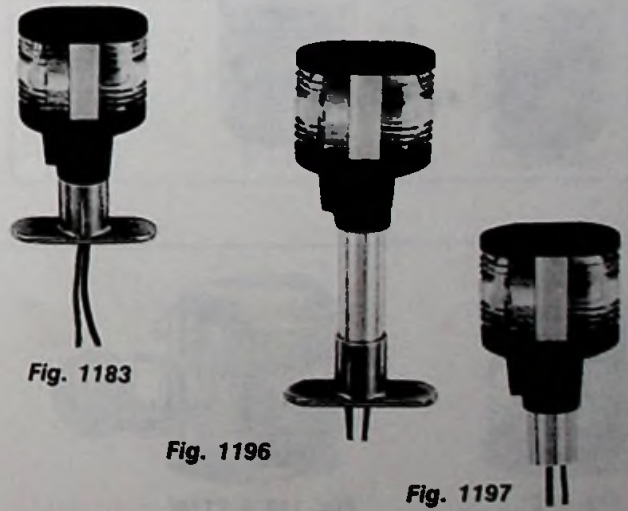
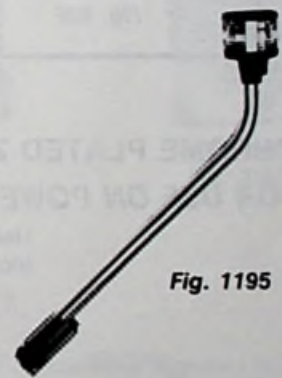
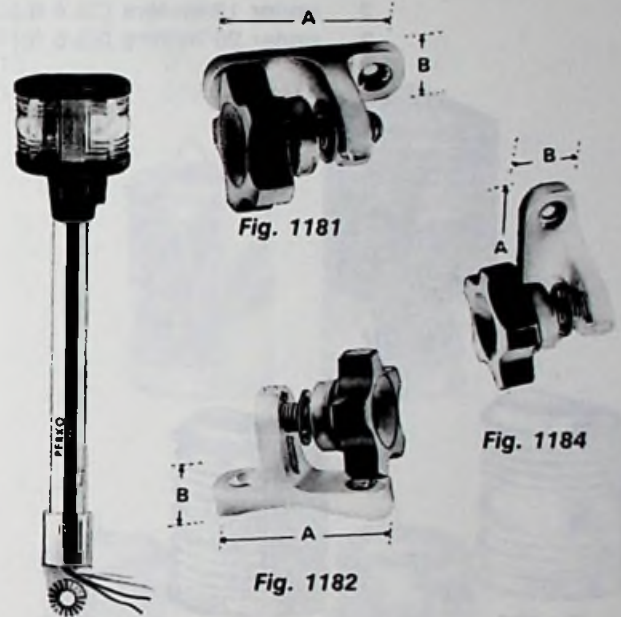
Height Inches	Size Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
4 1/4	1 x 2 1/2	8	1	50	1/2

*Fig. 1197*

Height Inches	Length Tubing Inches	Standard Package	Weight Pounds
5	1	1	1/2

*Fig. 1196*

No.	Height Inches	Size Base Inches	Screw Size	Standard Package	Weight Pounds
1	6	1 x 2 1/2	8	1	1/2
2	12	1 x 2 1/2	8	1	1/2



## NAVIGATION LIGHTS

**SHEET METAL — GALVANIZED STEEL OR POLISHED BRASS**

**FOR 12 OR 32 VOLTS — BULBS NOT INCLUDED**

**FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)**

Class	for Vessels	Height Inches	Screw Size	Weight Pounds
2	under 12 meters (39.4 ft.)	5	6	1½
3	under 20 meters (65.6 ft.)	6	6	2



Fig. 91F



Fig. 98F



Fig. 99F

**SIDE LIGHTS — Fig. 91F**  
Red and Green Lenses

Half pair: Red, Specify 91 RF  
Green, Specify 91 GF

**MASTHEAD LIGHT — Fig. 98F**  
White Lens

**STERN LIGHT — Fig. 99F**  
White Lens

**BULB DATA FOR Figs. 91F, 98F & 99F**

For vessels under 12 meters (39.4 ft.)			For vessels under 20 meters (65.6 ft.)			
Fig.	Visibility Miles	12 V Bulb	Fig.	Visibility Miles	12 V Bulb	32 V Bulb
91F-C/2	1	70 No. 0	91F-C/3	2	70 No. 1	70 No. 2
98F-C/2	2	70 No. 0	98F-C/3	3	70 No. 1	70 No. 2
99F-C/2	2	70 No. 0	99F-C/3	2	70 No. 1	70 No. 2

## NAVIGATION LIGHTS

**SATIN CHROME PLATED ZINC — FOR 12 or 32 VOLTS — BULBS NOT INCLUDED**

**FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)**

Height Inches	Screw Size	Weight Pounds
5¼	10	2



Fig. 109



**SIDE LIGHTS — Fig. 109**  
Red and Green Lenses

Half pair: Red, Specify 109 R  
Green, Specify 109 G

**MASTHEAD LIGHT — Fig. 110**  
White Lens

**STERN LIGHT — Fig. 111**  
White Lens

**TOWING LIGHT — Fig. 111M**  
Yellow Lens



Fig. 110



Fig. 111 & 111M

**BULB DATA FOR Figs. 109, 110, 111 & 111M**

For vessels under 20 meters (65.6 ft.)		
Visibility Miles	12 V Bulb	32 V Bulb
2	70 No. 1	70 No. 2
3	70 No. 1	70 No. 2
2	70 No. 1	70 No. 2
2	70 No. 1	70 No. 2



# NAVIGATION LIGHTS

**SHEET METAL — GALVANIZED STEEL OR POLISHED BRASS**

**FOR 12 OR 32 VOLTS — BULBS NOT INCLUDED**

**FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)**

Class	for Vessels	Height Inches	Screw Size	Weight Pounds
2	under 12 meters (39.4 ft.)	7¼	10	2½
3	under 20 meters (65.6 ft.)	8½	10	3½

**SIDE LIGHTS — Fig. 4F**  
**RED AND GREEN LENSES**

Half pair: Red, Specify 4 RF  
 Green, Specify 4 GF.



Fig. 4F

**MASTHEAD LIGHTS — Fig. 5F & 5MF**  
**WHITE OR YELLOW LENS\***

\*Note, Yellow available in Class 3 for special applications only, specify 5MF.

**STERN LIGHT — Fig. 7F**  
**WHITE LENS**

**TOWING LIGHT — Fig. 7MF**  
**YELLOW LENS**

Available in Class 3 only.



Fig. 5F  
 Fig. 5MF



Fig. 7F  
 Fig. 7MF

**BULB DATA FOR ABOVE LIGHTS**

For vessels under 12 meters (39.4 ft.)

Fig.	Visibility Miles	12 V Bulb
4F-C/2	1	70 No. 0
5F-C/2	2	70 No. 0
7F-C/2	2	70 No. 0

For vessels under 20 meters (65.6 ft.)

Fig.	Visibility Miles	12V Bulb	32V Bulb
4F-C/3	2	70 No. 1	70 No. 2
5F-C/3	3	70 No. 1	70 No. 2
5MF-C/3	2	70 No. 1	70 No. 2
7F-C/3	2	70 No. 1	70 No. 2
7MF-C/3	2	70 No. 1	70 No. 2

**MEAL AND ABSENT LIGHT — Fig. 329**

**CHROME PLATED BRONZE**

Double Contact Sockets — Bulbs not included  
 For Mounting on Yardarm. Supplied with  
 Blue and White Globes



Fig. 329

Size Base Inches	Length Overall Inches	Diam. Globe Inches	Weight Pounds
3¾ x 1¾	9	2½	2

## NAVIGATION LIGHTS

**BLACK PLASTIC — PRE-WIRED WITH 3 FEET OF 16/3 SJO CABLE  
FOR 12, 24, 32 or 120 VOLTS — BULBS NOT INCLUDED  
FOR USE ON POWER DRIVEN VESSELS UNDER 50 METERS (164.0 FT.)**

Height Inches	Size Base Inches	Bolt Size	Weight Pounds
7½	5¾x5¾	¼	3¼

Fig. No.	Description	Visibility Miles
1127-RA	Red Side Light	2
1127-GA	Green Side Light	2
1128-A	White Masthead Light	5
*1129-A	White Stern Light	2
1129-MA	Yellow Towing Light	2
*1130-A	White All-Round Light	2
**1130-HA	White All-Round Light	5
1130-RA	Red All-Round Light	2
1130-GA	Green All-Round Light	2
1130-MA	Yellow All-Round Light	2



Fig. 1127



Fig. 1128



Fig. 1129



Fig. 1130

\*Note: These Lights are Supplied with a Gray Tinted Lens.

\*\*For Great Lakes use.

### BULB DATA FOR ABOVE LIGHTS

The above lights must use Bulb Type T-8, Double Contact Base,  
1-3/8 L.C.L., C-8 Filament Clear, as follows:

Fig. No.	Voltage	Wattage	Candela
374-1	12	30	24
374-2	24	30	24
374-3	32	30	24
374-4	120	30	24



**NAVIGATION LIGHTS**

**BLACK PLASTIC – BASE, TOP OR RAIL MOUNT**  
 Complete with 12, 24, or 32 Volt Bulb  
Specify Voltage when ordering

**FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)**

	Height Inches	Size Base Inches	Projection Inches	Weight Ounces
Base Mount	4-7/8	3-5/16	—	8-1/2
Top Mount	4-13/16	—	3-9/16	11
200 TAB	8-5/8	3-5/16	—	13

Fig. No.	Description	Mounting	Wattage	Visibility Miles
200 SDB	Green Side Light	Base	25	2
200 PB	Red Side Light	Base	25	2
200 MB	White Masthead Light	Base	25	3
200 SNB	White Stern Light	Base	10	2
200 SWB	White All-Round Light	Base	10	2
*200 TB	Tri-Color Light	Base	25	2
*200 TAB	Tri-Color/White All-Round Light	Base	25/10	2/2
200 BT	Combination Side Light	Top	25	2
200 SDT	Green Side Light	Top	25	2
200 PT	Red Side Light	Top	25	2
200 MT	White Masthead Light	Top	25	3
200 SNT	White Stern Light	Top	10	2



Fig. 200 TAB

\*For Use on Sail Alone.



Fig. 200 - TOP MOUNT



Fig. 200 - BASE MOUNT

**Pulpit Mounting Bracket – Fig. 200 M STS**  
 18-8 Stainless Steel – For Pulpit and Stern Rails  
 Complete with Screws for Mounting Light to the Bracket

Rail Size Inches	Weight Ounces
3/4 - 1	5-1/2

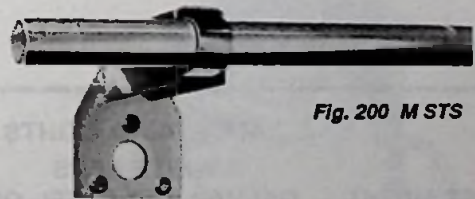


Fig. 200 M STS

**Bulb Data For Above Lights**

The above lights must use Bulb Type T-8, Double Contact indexing base,  
 1-3/8 L.C.L., C-8 Filament Clear, as follows:

Fig. No.	Voltage	Wattage
375 12V 10W	12	10
375 24V 10W	24	10
375 32V 10W	32	10
375 12V 25W	12	25
375 24V 25W	24	25
375 32V 25W	32	25

**NAVIGATION LIGHTS**

**SHEET METAL — GALVANIZED STEEL OR POLISHED BRASS**

**OIL LIGHTS OFFERED FOR EMERGENCY USE ONLY**

**FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)**

Class	Height Inches	Screw Size	Weight Pounds
2	10½	10	3
3	12½	10	3½

**SIDE LIGHTS**

**RED AND GREEN LENSES**

**OIL — Figs. 17 & 19**

**ELECTRIC — Figs. 17F & 19F**

Half Pairs, Specify Fig. No. and R for Red or G for Green.



**Fig. 17 Class 2**



**Fig. 18 Class 2**



**Fig. 19 Class 3**

**Fig. 20 Class 3**

**MASTHEAD LIGHTS**

**WHITE LENS**

**OIL — Figs. 18 & 20**

**ELECTRIC — Figs. 18F & 20F**

**STERN LIGHT**

**WHITE LENS**

**OIL — Figs. 97 & 102**

**ELECTRIC — Figs. 97F & 102F**

**Fig. 97 Class 2**

**Fig. 102 Class 3**

**TOWING LIGHT**

**YELLOW LENS**

**OIL — Fig. 102M**

**ELECTRIC — Fig. 102MF**

**BULB DATA FOR ABOVE LIGHTS**

For vessels under 12 meters (39.4 ft.)			For vessels under 20 meters (65.6 ft.)			
Fig.	Visibility Miles	12 V Bulb	Fig.	Visibility Miles	12 V Bulb	32 V Bulb
17F	1	70 No. 0	19F	2	70 No. 1	70 No. 2
18F	2	70 No. 0	20F	3	70 No. 1	70 No. 2
97F	2	70 No. 0	102F	2	70 No. 1	70 No. 2

**ALL-ROUND LIGHTS**

**WHITE LENS**

**SHEET METAL — GALVANIZED STEEL OR POLISHED BRASS**

**OIL LIGHTS OFFERED FOR EMERGENCY USE ONLY**

**FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)**

**OIL — Fig. 02 & 06**

**ELECTRIC DOUBLE CONTACT — Figs. 02A & 06A**

**ELECTRIC MED. SCREW — Fig. 06B**

Fig. No.	Height Inches	Weight Pounds
02	8¾	3¾
06	11¾	4¾



**Fig. 0-6**



**Fig. 0-2**

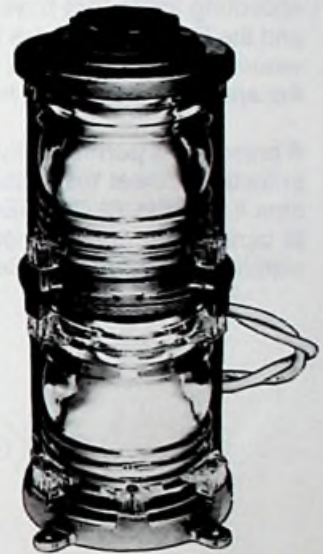
D.C. Electric for use with No. 1004 Bulb.  
Med. Screw Electric for use with 15 Watt A-17 Bulb.



**PERKO®**

**navigation lights  
for vessels over  
20 meters (65.6 ft.)  
to meet the requirements  
of the U.S. Coast Guard Under:  
International Regulations  
(72 COLREGS)  
and  
Inland Regulations  
(Inland Navigation Rules Act of 1980)**

*Sec B  
OUT*





## REGULATIONS

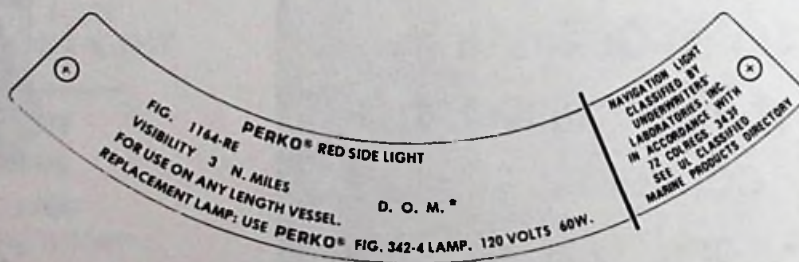
On March 31, 1977, the U.S. Coast Guard published in the Federal Register, an amendment to the navigation and navigable water regulations, which added a new subchapter DD, (33CFR 87). This subchapter contains rules implementing and interpreting the International Regulations for Preventing Collisions at Sea, 1972 (72 COLREGS). The International Regulations for Preventing Collisions at Sea, 1960, were replaced by the 72 COLREGS at 1200 hours, zone time on July 15, 1977. Therefore, all vessels on the high seas must comply with the 72 COLREGS at this time. In addition, with the enactment of the U.S. Inland Navigation Rules Act of 1980, the Inland Rules, Western Rules, and Great Lakes Rules were unified into a single set of requirements. The effective date for this legislation was December 24, 1981 (March 1, 1983 for Great Lakes). Therefore, all vessels must comply with these rules at this time.

Rules 21 and 22 of the 72 COLREGS and the U.S. Inland Navigation Rules give the color and range requirements for various navigation lights, Annex 1 to the 72 COLREGS and the U.S. Inland Navigation Rules gives positioning and technical details for these lights.

## FINAL ACCEPTANCE LIGHTS

All vessels are subject to either the 72 COLREGS or the U.S. Inland Rules. The U.S. Coast Guard is accepting lights that have passed the U.L. tests (U.L. Standard 1104) as meeting the 72 COLREGS and the U.S. Inland Rules for Vessels over 20 Meters (65.6 ft.) in length. (U.S. Requirements for smaller vessels are less strict). As the first and only domestic manufacturer to pass U.L. 1104, PERKO's "Final Acceptance" lights can be installed on vessels over 20 meters (65.6 ft.) in length.

A brass tag is permanently affixed to the light indicating the type light, figure no., voltage and type lamp to install to meet the visibility requirements. It also states that the light is classified by U.L. in accordance with the 72 COLREGS. This is the only documentation needed by a vessel for navigation lights to certify light construction compliance with both the 72 COLREGS and the U.S. Inland Rules and eliminates the former "Certificate of Compliance".



\*Each light has its own serial no. for identification

The lights shown on pages B-3 to B-8 are "Final Acceptance" lights and have passed U.L. 1104. The facsimile of the tag shown above is used on our cast bronze lights. Similar rectangular tags are used on other style lights.

Please note that any changes made to PERKO navigation lights, including substitution of bulbs other than those shown in our catalog, instruction sheets, or metal tags (affixed to some lights) will void all certifications and/or U.S. Coast Guard acceptance.

## SPECIAL PURPOSE LIGHTS

The lights shown on Pages B-9 through B-10 are offered for use where the vessel is subject to special local requirements.

For the present, the U.S. Coast Guard will not publish a list of U.L. classified lights, however Field Offices have been notified. For more detailed information, consult the complete 72 COLREGS, the U.S. Inland Rules, and your local Coast Guard office.



**FINAL ACCEPTANCE LIGHTS**

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, INC. TO U.L. STANDARD 1104 AND CLASSIFIED AS MEETING THE U.S. COAST GUARD REQUIREMENTS UNDER THE 72 COLREGS AND THE U.S. INLAND RULES FOR USE ON ANY LENGTH VESSEL.

**SINGLE LENS NAVIGATION LIGHTS  
CAST BRONZE — WATERTIGHT**

Complete with a Pre-Wired Medium Prefocus Bulb Socket with 3 Feet of 16/3-SO Cable through a watertight terminal tube. Watertight access cap for rebulbing and cleaning. 120 Volt Bulbs Included.

**SINGLE LENS TYPE**



Height Overall Inches	Height Lens Inches	Weight Pounds
9 1/4	6 3/4	10

For Use On Any Length Vessel

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage
1172-RE	Red Side Light	112 1/2°	3	60
1172-GE	Green Side Light	112 1/2°	3	60
1173-E	White Masthead Light	225°	6	60
*1174-E	White Stern Light	135°	3	60
1174-ME	Yellow Towing Light	135°	3	60
*1169-E	White All-Round Light	360°	3	60
**1169-HE	White All-Round Light	360°	6	60
1170-RE	Red All-Round Light	360°	3	60
1170-GE	Green All-Round Light	360°	3	60
1170-ME	Yellow All-Round Light	360°	3	60

**IMPORTANT BULB DATA**

To comply with U.L. Standard 1104, the lights listed on this page must use Perko Fig. 342-4 Bulbs.

\*Note: These lights are supplied with Gray Tinted Lens.

\*\*For Great Lakes use.

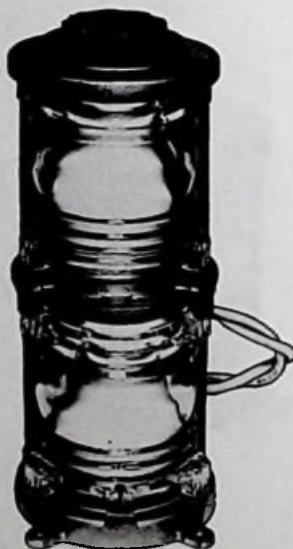
**FINAL ACCEPTANCE LIGHTS**

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**DOUBLE LENS NAVIGATION LIGHTS  
CAST BRONZE — WATERTIGHT**

Each section contains a Pre-Wired Medium Prefocus Bulb Socket with 3 Feet of 16/3-SO Cable through a watertight terminal tube. Watertight access cap for rebulbing and cleaning. 120 Volt Bulbs Included.

**DOUBLE LENS TYPE**



Height Overall Inches	Height Lens Inches	Weight Pounds
17¼	6¼	18¼

For Use On Any Length Vessel

<u>Fig. No.</u>	<u>Description</u>	<u>Visibility Arc</u>	<u>Visibility Miles</u>	<u>Required Wattage</u>
1164-RE	Red Side Light	112½°	3	60
1164-GE	Green Side Light	112½°	3	60
1165-E	White Masthead Light	225°	6	60
*1166-E	White Stern Light	135°	3	60
1166-ME	Yellow Towing Light	135°	3	60
*1167-E	White All-Round Light	360°	3	60
**1167-HE	White All-Round Light	360°	3	60
1168-RE	Red All-Round Light	360°	6	60
1168-GE	Green All-Round Light	360°	3	60
1168-ME	Yellow All-Round Light	360°	3	60

**IMPORTANT BULB DATA**

To comply with U.L. Standard 1104, the lights listed on this page must use Perko Fig. 342-4 Bulbs.

\*Note: These lights are supplied with Gray Tinted Lens.

\*\*For Great Lakes use.



**FINAL ACCEPTANCE LIGHTS**

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, INC. TO U.L. STANDARD 1104 AND CLASSIFIED AS MEETING THE U.S. COAST GUARD REQUIREMENTS UNDER THE 72 COLREGS AND THE U.S. INLAND RULES FOR USE ON VESSEL LENGTHS AS SPECIFIED BELOW.

**NAVIGATION LIGHTS**

Sheet Metal — Galvanized Steel\*, Plain Brass or Polished Brass — Rebulbing Cap — Medium Prefocus Bulb Socket — Terminal Tube for Cable Entrance — Bulbs Not Included

No.	Height Lens Inches	Height Light Inches	Weight Pounds
1	6¾	11½	8
2	7½	13½	12

For Vessels under 50 Meters (164.0 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage**
1150-RE1	Red Side Light	112½°	2	25
1150-GE1	Green Side Light	112½°	2	25
1151-EO1	White Masthead Light	225°	5	40
1152-EO1	White Stern Light	135°	2	7.5
1152-ME1	Yellow Towing Light	135°	2	7.5
1153-EO1	White All-Round Light	360°	2	15
1154-RE1	Red All-Round Light	360°	2	60
1154-GE1	Green All-Round Light	360°	2	40
1154-ME1	Yellow All-Round Light	360°	2	25

**IMPORTANT BULB DATA**

To comply with U.L. Standard 1104, the lights listed on this page must use Perko Fig. 342 Bulbs.



Fig. 1150



Fig. 1151

For Use On Any Length Vessel

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage**
1150-RE2	Red Side Light	112½°	3	60
1150-GE2	Green Side Light	112½°	3	60
1151-EO2	White Masthead Light	225°	6	60
1152-EO2	White Stern Light	135°	3	25
1152-ME2	Yellow Towing Light	135°	3	25
1153-EO2	White All-Round Light	360°	3	40
1154-RE2	Red All-Round Light	360°	3	125
1154-GE2	Green All-Round Light	360°	3	60
1154-ME2	Yellow All-Round Light	360°	3	40



Fig. 1152



Figs. 1153 & 1154

\*GALVANIZED STEEL LIGHTS ARE PREPRIMED  
\*\*BULB DATA FOR ABOVE LIGHTS

The Above Lights must use Bulb Type T-10, Medium Prefocus Base, 2-3/8" L.C.L., C-8 filament, 120 Volts, clear, as follows:

Fig. No.	Wattage
342-0	7.5
342-1	15
342-2	25
343-3	40
342-4	60
+ 342-6	125

+ Fig. 342-6 Same as Above except 2-3/16" L.C.L. and C-13D Filament.

**FINAL ACCEPTANCE LIGHTS**

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, INC. TO U.L. STANDARD 1104 AND CLASSIFIED AS MEETING THE U.S. COAST GUARD REQUIREMENTS UNDER THE 72 COLREGS AND THE U.S. INLAND RULES FOR USE ON ANY LENGTH VESSEL.

**ALL-ROUND LIGHTS  
CAST BRONZE — MEDIUM PREFOCUS BULB SOCKET  
120 VOLT BULBS INCLUDED**



**ALL-ROUND LIGHTS — Figs. 403, 412 & 454**

Fig. No.	Height Overall Inches	Height Lens Inches	Tapped Pipe Size Inches	Weight Pounds
403-3	11½	6¾	1	9½
412	14	6¾	—	11½
454	11½	6¾	1	9½

For use on any Length Vessel

Fig. No.	Description	Visibility Miles	Required Wattage*
**403-EO3	White All-Round Light	3	60
403-RE3	Red All-Round Light	3	60
403-GE3	Green All-Round Light	3	60
403-ME3	Yellow All-Round Light	3	60
**412-E	White All-Round Light	3	60
412-RE	Red All-Round Light	3	60
412-GE	Green All-Round Light	3	60
412-ME	Yellow All-Round Light	3	60



Fig. 403-3  
Fig. 454

Fig. 454-E White Whistle Light —  
Visibility 5 Miles with Fig. 342-4 Bulb.



Fig. 412

**\*BULB DATA FOR ABOVE LIGHTS**

The Above Lights must use Special Perko Bulb Type T-10, Medium Prefocus Base, 2-3/8" L.C.L., C-8 filament, Clear, 120 Volts, Fig. 342-4, 60 watts.

\*\*Note: These Lights are Supplied with Gray Tinted Lens.



## FINAL ACCEPTANCE LIGHTS

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, INC. TO U.L. STANDARD 1104 AND CLASSIFIED AS MEETING THE U.S. COAST GUARD REQUIREMENTS UNDER THE 72 COLREGS AND THE U.S. INLAND RULES FOR USE ON VESSELS UNDER 50 METERS (164.0 ft.)

**SHEET METAL — GALVANIZED STEEL\*, POLISHED BRASS OR CHROME PLATED BRASS  
BOTTOM OPENING — ELECTRIC SOCKET IS SINGLE CONTACT PREFOCUS  
FOR 12 VOLT USE ONLY — BULBS NOT INCLUDED**

NOTE: WHEN ORDERING, SPECIFY FINISH, GALVANIZED, POLISHED BRASS OR CHROME PLATED BRASS  
\*GALVANIZED STEEL LIGHTS ARE PREPRIMED

Fig. No	Description	Visibility Arc	Visibility Miles	Required** Bulb Amperage
4-RD3	Red Side Light	112½°	2	.77A
4-GD3	Green Side Light	112½°	2	.55A
5-D03	White Masthead Light	225°	5	2.03A
7-D03	White Stern Light	135°	2	.25A
7-MD3	Yellow Towing Light	135°	2	.55A
	Height Lens Inches		Weight Pounds Each	
	8½	5⅞	3¼	



Fig. 4



Fig. 5



Figs. 7 & 7M

**\*\*BULB DATA FOR ABOVE LIGHTS.**

Above Lights Must Use Bulb Type S-8, Single Contact Prefocus, C-8 Filament, Clear, 12 Volts, to Comply with U.L. Standard No. 1104.

Fig. No.	Amperage	Mfg. No.
373-1	.25	25A/S8
373-2	.55	55A/S8
373-3	.77	77A/S8
373-4	1.15	1.15A/S8
373-5	2.03	2.03A/S8SCP

**ALL-ROUND LIGHTS — FOR VESSELS UNDER 50 METERS (164.0 ft.)**

**CAST BRONZE — PLAIN OR CHROME PLATED BRONZE —**

**DOUBLE CONTACT ELECTRIC SOCKET FOR 12, 24, 32 OR 120 VOLTS — BULBS NOT INCLUDED**

For Use With Fig. 374 Bulbs, Specify Voltage



Fig. 112A



All-Round  
Lights  
360 Degrees



Fig. 309A

Fig. No.	Height Overall Inches	Diameter Base Inches	Screw Size	Tapped Pipe Size Inches	Weight Pounds
112	8¾	3¾	8	—	3¾
309	6½	—	—	½	2½

NOTE: WHEN ORDERING, SPECIFY FINISH.

Fig. No.	Description	Visibility Miles
112A & 309A	White All-Round Light	2
112MA & 309MA	Yellow All-Round Light	2
112RA & 309RA	Red All-Round Light	2
112GA & 309GA	Green All-Round Light	2

**FINAL ACCEPTANCE LIGHTS**

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, INC. TO U.L. STANDARD 1104 AND CLASSIFIED AS MEETING THE U.S. COAST GUARD REQUIREMENTS UNDER THE 72 COLREGS AND THE U.S. INLAND RULES FOR USE ON VESSELS UNDER 50 METERS (164.0 ft.)

**NAVIGATION LIGHTS**

**BLACK PLASTIC — PRE-WIRED DOUBLE CONTACT SOCKET WITH 3 FEET OF 16/3 SJO CABLE FOR 12, 24, 32 or 120 VOLTS — BULBS NOT INCLUDED**

Height Overall Inches	Height Lens Inches	Weight Pounds
7½	4½	3½



**Red & Green Side Lights**  
112½ Degrees

Fig. No.	Description	Visibility Arc	Visibility Miles
1127-RA	Red Side Light	112½°	2
1127-GA	Green Side Light	112½°	2
1128-A	White Masthead Light	225°	5
*1129-A	White Stern Light	135°	2
1129-MA	Yellow Towing Light	135°	2
*1130-A	White All-Round Light	360°	2
**1130-HA	White All-Round Light	360°	5
1130-RA	Red All-Round Light	360°	2
1130-GA	Green All-Round Light	360°	2
1130-MA	Yellow All-Round Light	360°	2

\*Note: These Lights are Supplied with a Gray Tinted Lens.  
\*\*For Great Lakes use.



**Masthead Lights**  
225 Degrees



**Stern or Towing Lights**  
135 Degrees



**All-Round Lights**  
360 Degrees



**Fig. 1129 BA**

**PANAMA CANAL BLUE STEERING LIGHT — Fig. 1129 BA**  
Black Plastic — Pre-Wired Double Contact Socket with 3 Feet of 16/3 SJO Cable  
For 12, 24, 32 or 120 Volts — Bulb Not Included

Visibility Arc	Height Overall Inches	Height Lens Inches	Weight Pounds
135°	7½	4½	3½

**BULB DATA FOR ABOVE LIGHTS**

The above lights must use Bulb Type T-8, Double Contact Base, 1-3/8 L.C.L., C-8 Filament Clear, as follows:

Fig. No.	Voltage	Candela
374-1	12	24
374-2	24	24
374-3	32	24
374-4	120	24



**SPECIAL PURPOSE LIGHTS**

THE LIGHTS SHOWN BELOW ARE OFFERED FOR USE WHERE THE VESSEL IS SUBJECT TO SPECIAL LOCAL REQUIREMENTS.

**SINGLE LENS NAVIGATION LIGHTS  
CAST BRONZE — WATERTIGHT**

Complete with a prewired medium prefocus bulb socket and 3 feet of 16/3-SO Cable through a watertight terminal tube. Watertight access cap for rebulbing and cleaning. 120 Volt Bulbs Included.

**SINGLE LENS TYPE**



Height Overall Inches	Height Lens Inches	Weight Pounds
9 1/4	6 3/4	10

For Use on Any Length Vessel

<u>Fig. No.</u>	<u>Description</u>	<u>Visibility Arc</u>	<u>Visibility Miles</u>	<u>Required Wattage</u>
1171-RE	Red Dredging Light	45°	3	60
1173-RE	Red Masthead Light	225°	3	60
1173-ME	Yellow Masthead Light	225°	3	60
1174-RE	Red Stern Light	135°	3	60

**SPECIAL FLASHING YELLOW LIGHT — Fig. 1111 ME**

**SHEET METAL — GALVANIZED STEEL OR PLAIN BRASS**

**TOP OPENING — MEDIUM PREFOCUS SOCKET, SEALED FLASHER UNIT**

Height Lens Inches	Visibility Miles	Height Light Inches	Weight Pounds
6 3/4	2	11 1/2	8

Designed to meet Federal Requirements for a flashing yellow 180°-225° light for barges, canal boats, etc., that are being pushed ahead or towed along side of a tug boat. For use on 120 volts A.C. only. The Federal Requirements for this light are applicable for inland waters, the Atlantic and Pacific Coasts, Gulf Coast, Gulf Intracoastal Waterways and Western Rivers. Flashes 50-70 times per minute. Refer to the U.S. Inland Navigation Rules for application, configuration and technical details.



**Fig. 1111ME**

**BULB DATA**

All Lights on this page must use Perko Fig. 342-4 Bulbs.

**SPECIAL PURPOSE LIGHTS**

**THE LIGHTS SHOWN BELOW ARE OFFERED FOR USE WHERE THE VESSEL IS SUBJECT TO SPECIAL LOCAL REQUIREMENTS.**

**DOUBLE LENS NAVIGATION LIGHTS  
CAST BRONZE — WATERTIGHT**

**Each section contains a prewired medium prefocus bulb socket with 3 feet of 16/3-SO Cable through a watertight terminal tube. Watertight access cap for rebulbing and cleaning. 120 Volt Bulbs Included.**

**DOUBLE LENS TYPE**



Height Overall Inches	Height Lens Inches	Weight Pounds
17 $\frac{1}{4}$	6 $\frac{1}{4}$	18 $\frac{1}{4}$

For Use on any Length Vessel

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage
1165-RE	Red Masthead Light	225°	3	60
1165-ME	Yellow Masthead Light	225°	3	60
1165-REL	White/Red Masthead Light	225°	6/3	60/60
1166-RE	Red Stern Light	135°	3	60
*1168-REL	White/Red All-Round Light	360°	3/3	60/60

\*Note: These Lights are Supplied with a Gray Tinted Lens.

**BULB DATA**

The above lights Must use Perko Fig. 342-4 Bulbs.



**SPECIAL PURPOSE LIGHTS**

THE LIGHTS LISTED ON THIS PAGE ARE OFFERED FOR EMERGENCY USE ONLY. THEY MAY BE USED ON VESSELS OVER 20 METERS (65.6 FT.)

**EMERGENCY OIL NAVIGATION LIGHTS FOR VESSELS OVER 20 METERS (65.6 FT.)  
SHEET METAL — GALVANIZED STEEL\*, PLAIN BRASS OR POLISHED BRASS  
Turret Top — Bottom Opening**

No.	Height Lens Inches	Height Light Inches	Weight Pounds
1	6¼	15	7
2	7½	18	10½

**Recommended For Vessels 20 Meters to 50 Meters  
(65.6 ft. to 164.0 ft.)**

Fig. No.	Description	Visibility Arc
21-R01	Red Side Light	112½°
21-G01	Green Side Light	112½°
982-001	White Masthead Light	225°
982-R01	Red Masthead Light	225°
982-M01	Yellow Masthead Light	225°
985-001	White Stern Light	135°
985-R01	Red Stern Light	135°
985-M01	Yellow Stern Light	135°
23-001	White All-Round Light	360°
129-R01	Red All-Round Light	360°
129-G01	Green All-Round Light	360°
129-M01	Yellow All-Round Light	360°



Fig. 21



Fig. 982

**Recommended For Vessels Over 50 Meters  
(164.0 ft.)**

Fig. No.	Description	Visibility Arc
21-R02	Red Side Light	112½°
21-G02	Green Side Light	112½°
982-002	White Masthead Light	225°
982-R02	Red Masthead Light	225°
982-M02	Yellow Masthead Light	225°
985-002	White Stern Light	135°
985-R02	Red Stern Light	135°
985-M02	Yellow Stern Light	135°
23-002	White All-Round Light	360°
129-R02	Red All-Round Light	360°
129-G02	Green All-Round Light	360°
129-M02	Yellow All-Round Light	360°

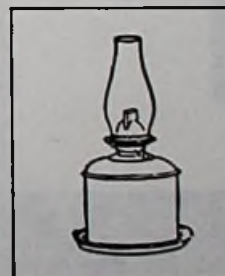


Fig. 985



Figs. 23 & 129

**\*GALVANIZED STEEL LIGHTS ARE PREPRIMED**



Oil Lamp in  
Base of Light

## FOUNDRY OPERATIONS

Perko has two complete non-ferrous foundry operations, both of which enable us to control the production of our high quality brass, bronze and aluminum castings. Our hand-mold foundry is used for larger and special production castings while our recently completed automated foundry is the newest state-of-the-art equipment available which has enabled us to dramatically increase production on high volume runs while maintaining the quality of our castings.





# PERKO®

SWITCHES, PANELS,  
LIGHTING FIXTURES,  
AND OTHER  
ELECTRICAL EQUIPMENT



MANUFACTURED BY PERKO, INC., 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164-0414  
FOR COMPLETE LINE SEE CATALOG NO. 250

**BATTERY SELECTOR SWITCHES  
8500 SERIES  
IGNITION PROTECTED**

**MAKE BEFORE BREAK DESIGN — FOR USE WITH TWO OR MORE BATTERIES — FOR SINGLE OR DUAL ENGINE SYSTEMS.\* THESE NEWLY DESIGNED SWITCHES OFFER UNIQUE OPTIONS SUCH AS KEY LOCK FOR EXTRA THEFT PROTECTION. PERMITS SELECTION BETWEEN BATTERIES FOR STARTING AND CHARGING OR OPERATION OF BOTH BATTERIES IN PARALLEL. ALLOWS THE ADDITION OF AN EXTRA BATTERY FOR USE WITH ACCESSORIES. "OFF" POSITION ALSO ACTS AS AN EMERGENCY DISCONNECT IN THE EVENT OF AN ELECTRICAL PROBLEM.**

Protected by the following U.S. Patents; Design 260,637 — 4,280,028 — 4,424,424

<p><b>Surface Mount — Red Plastic Housing with Improved Design to Protect Electrical Connections — Large Black Plastic Knob — Copper Contacts — Brass Terminals</b> For use with systems under 50 volts</p>			
<p><b>Capacity</b> 250 AMPS Continuous 360 AMPS Intermittent</p>			
Diameter Inches	Depth Inches	Standard Package	Weight Pounds
5 1/4	2 5/8	5	1



Fig. 8501 without Key Lock



Fig. 8502 with Key Lock

**ALTERNATOR FIELD DISCONNECT MODELS**

The advantage of these models is that accidental switching to the "OFF" position with the engine running will not damage the alternator.



Fig. 8503 without Key Lock  
with Field Disconnect Feature



Fig. 8504 with Key Lock  
with Field Disconnect Feature

\*For Dual Engine Systems, 2 Switches are required.

ALL OF THE ABOVE SWITCHES ARE PACKED IN CONVERTIBLE DISPLAY BOX FOR COUNTER OR RACK DISPLAY.  
SEE SECTION L FOR DETAILS



# BATTERY SELECTOR SWITCHES WITH REMOTE INDICATOR PANEL IGNITION PROTECTED

CD-3

AVAILABLE WITH KEY LOCK OPTION FOR EXTRA THEFT PROTECTION

These units are the same basic design and construction as Figs. 8501 & 8502 except they have two extra terminals for use in conjunction with the indicator panel.

For use with 12 volt Systems only.

Capacity  
250 AMPS Continuous  
360 AMPS Intermittent

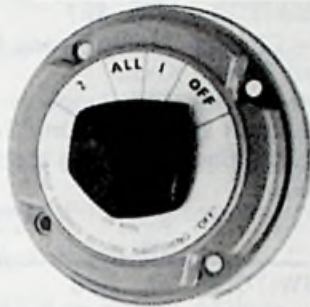


Fig. 8505 without Key Lock

Fig. 8506 with Key Lock

## MAIN BATTERY SWITCHES 9600 SERIES IGNITION PROTECTED ON-OFF TYPE

AVAILABLE WITH KEY LOCK OPTION FOR EXTRA THEFT PROTECTION AND ALTERNATOR FIELD DISCONNECT TO PREVENT DAMAGE TO THE ALTERNATOR FROM ACCIDENTAL SWITCHING TO THE "OFF" POSITION WITH THE ENGINE RUNNING.

These units are the same basic design and construction as our 8500 Series except they are offered as main disconnect switches.

For use with systems under 50 volts.

Capacity  
250 AMPS Continuous  
360 AMPS Intermittent

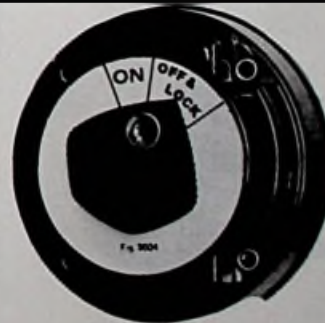


Fig. 9601 without Key Lock

Fig. 9603 without Key Lock

with Field Disconnect Feature

Fig. 9602 with Key Lock

Fig. 9604 with Key Lock

with Field Disconnect Feature

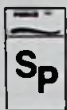
All of the above switches are protected by the following U.S. Patents; Design 260,367 — 4,280,028 — 4,424,424

ALL OF THE ABOVE SWITCHES ARE PACKED IN CONVERTIBLE DISPLAY BOX FOR COUNTER OR RACK DISPLAY.

SEE SECTION L FOR DETAILS.



Fig. 105



### PUSH-PULL SWITCHES — Fig. 105

**Brass Body — Chrome Plated Brass Face Nut — Chrome Plated Plastic Knob**  
**2 Position: Off-On — 15 Amps at 12 Volts**

Size	For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	O.E.M. Package	Weight Ounces
1	1	3/8	3	10	50	2
2	1 1/4	3/8	3 1/4	10	50	2 1/2

Fig. 105 No. 1 available in SKIN PACK, See Section L.

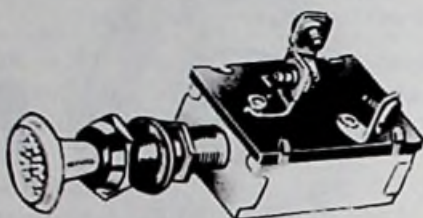


Fig. 321

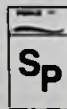
### PUSH-PULL SWITCH — Fig. 321

**Brass Body — Chrome Plated Brass Face Nut — Chrome Plated Plastic Knob**  
**3 Position: Off-On-On — 15 Amps at 12 Volts**  
**First "On" Position Energizes One Terminal**  
**Second "On" Position Energizes the Other Terminal**

For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	Weight Ounces
1	3/8	3 3/4	10	3 3/4



Fig. 366



### PUSH-PULL SWITCH — Fig. 366

**Brass Body — Chrome Plated Brass Face Nut — Chrome Plated Plastic Knob**  
**3 Position: 2 Circuit — Off-On-On — 15 Amps at 12 Volts**  
**For use with Combination Masthead and All-Round Lights together with running lights. Second "On" Position turns off running lights and turns on both compartments of masthead — All-Round Light.**

For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	O.E.M. Package	Weight Ounces
1	3/8	3 3/4	10	50	3 3/4

This item available in SKIN PACK, See Section L.

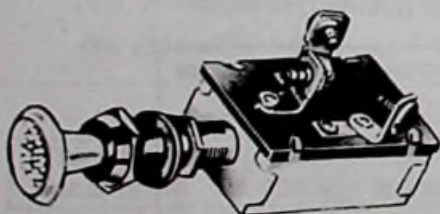
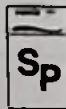


Fig. 381



### PUSH-PULL SWITCH — Fig. 381

**Brass Body — Chrome Plated Brass Face Nut — Chrome Plated Plastic Knob**  
**3 Position: Off-On-On — 15 Amps at 12 Volts**  
**First "On" Position Energizes One Terminal**  
**Second "On" Position Energizes Two Terminals.**

For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	Weight Ounces
1	3/8	3 3/4	10	3 3/4

This item available in SKIN PACK, See Section L.

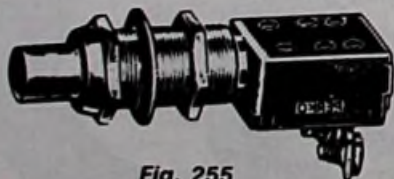
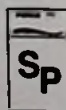


Fig. 255



### MOMENTARY PUSH SWITCH — Fig. 255

**All Brass — Chrome Plated Brass Button and Face Nut**  
**Single Pole — Push Button Spring Action — 15 Amps at 12 Volts**

For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	Weight Ounces
1	3/8	2 3/4	10	2 1/2

This item available in SKIN PACK, See Section L.



Fig. 306

### MOMENTARY PUSH SWITCH — Fig. 306

**All Brass — Chrome Plated Brass Button**  
**Single Pole — Push Button Spring Action — 15 Amps at 12 Volts**  
**With Weather Resistant Neoprene Cover Over Button**

For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	O.E.M. Package	Weight Ounces
1	3/8	2 3/4	10	50	3

Above Switches are not Ignition Protected. See Page CD-11



**IGNITION LOCK SWITCH — Fig. 316**

**Chrome Plated Face Nut**

**2 Position: Off-On — 15 Amps at 12 Volts**

No. 1 Die Cast Zinc Housing  
No. 2 All Brass

No.	For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	Weight Ounces
1	1/2	3/4	2	10	4
2	7/8	13/16	2 1/4	10	4 1/2

Fig. 316 No. 1 available in SKIN PACK, See Section L.

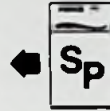


Fig. 316

**IGNITION STARTER SWITCH — Fig. 310**

**All Brass — Chrome Plated Brass Face Nut**

**3 Position: Off-Ignition-Start**

**15 Amps at 12 Volts — Spring Action**

**Automatically returns from start to ignition position.**

For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	Weight Ounces
1	1 3/16	2 3/4	10	4 1/2

This item available in SKIN PACK, See Section L.

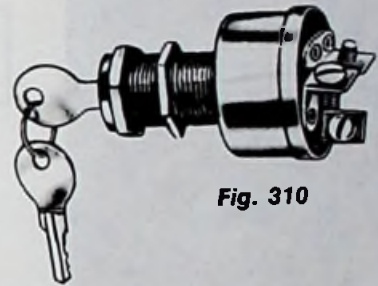
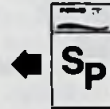


Fig. 310

**MAGNETO IGNITION STARTER SWITCH — Fig. 304**

**All Brass — Chrome Plated Brass Face Nut**

**3 Position: Off-Ignition-Start**

**15 Amps at 12 Volts — Spring Action**

**Automatically returns from start to ignition position.**

For Wood Thickness Inches	Diameter Neck Inches	Length Overall Inches	Standard Package	Weight Ounces
3/4	1 3/16	3	5	8

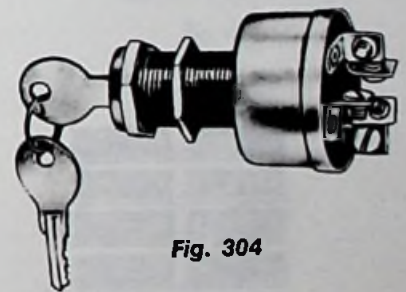


Fig. 304

**BOOT AND NUT ASSEMBLY — Fig. 387**

**Weather Resistant**

**Fits Figs. 304, 310 and 316 No. 2**

**Key enters through elastic slot in rubber boot.**



Fig. 387

**MOMENTARY SWITCH — Fig. 275**

**Chrome Plated Brass Housing —**

**Black Plastic Push Button**

**Single Pole — 5 Amps at 12 Volts**

Projection Overall Inches	Diameter Body Inches	Screw Size	Standard Package	Weight Ounces
1	1 1/8	10 R.H.	10	1



Fig. 275

**SWITCH PANELS**  
**COMPLETE WITH SWITCHES, FUSE HOLDERS AND NAME PLATES**  
**SWITCHES RATED 15 AMPS AT 12 VOLTS**  
**FUSE HOLDERS FOR 1/4" x 1-1/4" FUSES.**



**Fig. 517**

**FIG. 517**  
**Black Textured Finish-Embossed Lettering.**  
**This Panel Is Molded From A Flexible Plastic Which**  
**Will Mount On Curved and Flat Surfaces.**

Dimensions Inches	Standard Package	Screw Size	Weight Ounces
6½ x 4¼	5	6	8

**Note: Illustration Shows Stock Panel. If Name Plates Other Than Shown Are Desired Specify Fig. 517A And Names Required. See Fig. 519.**



THIS AVAILABLE IN DISPLAY PACK. SEE SECTION L.

**Note: This Item Is not Ignition Protected. See Page CD-11.**

**SWITCH NAME PLATES — Fig. 519**

**Black With Engraved White Lettering**



**Fig. 519**

No. 1 Anchor Light	No. 12 Engine Room	No. 24 Misc.	No. 39 Starter
No. 3 Bilge Pump	No. 13 Fan	No. 26 Off	No. 40 Stern Light
No. 4 Blower	No. 14 Flood Lights	No. 27 On	No. 43 Water System
No. 5 Bow Light	No. 16 Fuel	No. 29 Panel Lights	No. 44 Wiper
No. 6 Cabin Lights	No. 19 Horn	No. 32 Radio	No. 45 12 Volt
No. 8 Compass	No. 21 Lights	No. 35 Running Lights	No. 46 32 Volt
No. 9 Deck Lights	No. 23 Masthead Light	No. 36 Searchlight	No. 47 110V AC
No. 10 Docking Light		No. 37 Spreader Light	No. 48 Blank
No. 11 Dome Lights			

Length Inches	Width Inches	Screw Size	Standard Package	Weight Per Dozen Ounces
1½	½	4	5	½

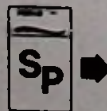
**Note: Special name plates are available, price on application.**

**IN-LINE FUSEHOLDER — Fig. 786**  
**Molded Plastic — With 20 AMP. Fuse and Wire Lead**  
**For Standard 1/4" x 1-1/4" fuses**



**Fig. 786**

Length Inches	Diameter Inches	Standard Package	O.E.M. Package	Weight Ounces
2½	1¼	10	50	¾



THIS AVAILABLE IN SKIN PACK. SEE SECTION L.



**SWITCH PANELS**  
 COMPLETE WITH SWITCHES, FUSE HOLDERS AND NAME PLATES  
 SWITCHES RATED 15 AMPS AT 12 VOLTS  
 FUSE HOLDERS FOR 1/4" X 1-1/4" FUSES.

**FIG. 512**

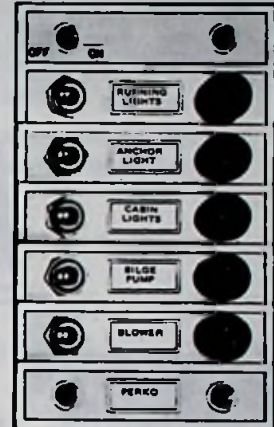
**Modular Switch Panels — Chrome Plated Zinc**

Included with each Switch Panel is the Fig. 490 name plate sheet. See Fig. 490 below for details.

Dimensions Inches	Standard Package	Weight Pounds
6-1/4 X 3-3/4	1	1

Note: Illustration Shows Stock Panel. Panel Can be expanded by addition of extra Sections. See Fig. 511-B.

Fig. 512



**NAME PLATE SHEET — FIG. 490**

**IMPROVED**  
 Now Available as a  
 Complete Sheet

Black Letters — Gray Background — Self Adhesive

Each Sheet Contains the Following Names:

Anchor Light	Dome Lights	Misc-B	Starter
Bilge Pump	Fuel	Misc-C	Wiper
Blower	Horn	Radio	Water System
Cabin Lights	Masthead Light	Running Lights	Lights-1
Compass	Misc-A	Spreader Light	Lights-2

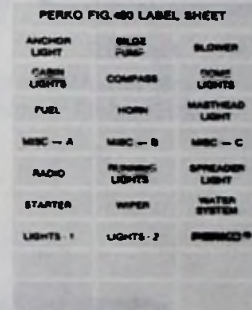


Fig. 490

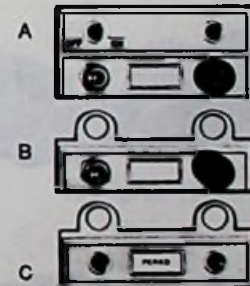
Standard Package — 5 Sheets

**MODULAR SECTIONS — FIG. 511**

	Dimensions Inches	Standard Package	Weight Ounces
SECTION "A"	1-3/4 X 3-3/4	5	3-1/2
SECTION "B"	* 7/8 X 3-3/4	5	2-1/2
SECTION "C"	* 1 X 3-3/4	5	2-1/4

\*Does not include Assembly Eyes.

Fig. 511



Note: Above Panels and Sections are not ignition Protected.  
 See Page CD-11.

**BAYONET SOCKETS — FIG. 472**

Phenolic — Single and Double Contact

No.	Type	Height Inches	Diameter Base Inches	Standard Package	Weight Ounces
20	Double contact	1	1-3/8	10	3/4
21	Single contact	1	1-3/8	10	3/4



Fig. 472

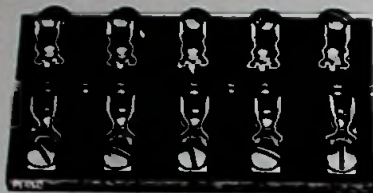


Fig. 626

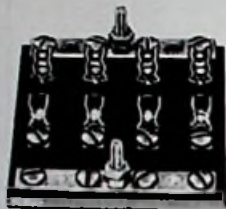


Fig. 647



Fig. 629



Fig. 694



Fig. 627

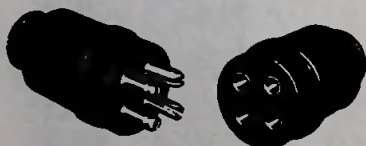


Fig. 751

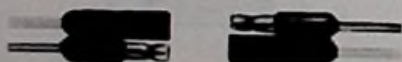


Fig. 720-2

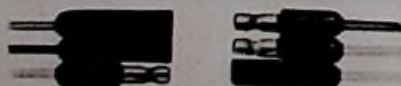


Fig. 720-3



Fig. 720-4—Shrouded

**FUSE PANELS — Fig. 626**

**Molded Plastic Base — Brass Parts**

**For 1/4" x 1-1/4" Fuses up to 20 Amps.**

Number Of Gangs	Dimensions Inches	Standard Package	Weight Ounces
3	2 1/4 x 2 7/16 x 3/16	5	2
4	3 x 2 7/16 x 3/16	5	2 1/4
5	3 3/4 x 2 7/16 x 3/16	5	2 1/2
6	4 1/2 x 2 7/16 x 3/16	5	2 3/4

**COMBINATION FUSE & TERMINAL BLOCK — Fig. 647**

**With Heavy Duty Binding Posts — Molded Plastic Base — Brass Parts — For 1/4" x 1-1/4" Fuses up to 20 Amps.**

Number Of Gangs	Dimensions Inches	Standard Package	Weight Ounces
4	3 x 3 3/16 x 3/16	5	3 1/2
6	4 1/2 x 3 3/16 x 3/16	5	5
8	6 x 3 3/16 x 3/16	1	7
12	9 x 3 3/16 x 3/16	1	11

**FUSE PANELS — Fig. 629**

**With Single Bus Bar — Molded Plastic Base — Brass Parts — For 1/4" x 1-1/4" Fuses up to 20 Amps.**

Number Of Gangs	Dimensions Inches	Standard Package	Weight Ounces
4	3 x 2 7/16 x 3/16	5	2
6	4 1/2 x 2 7/16 x 3/16	5	3
8	6 x 2 7/16 x 3/16	1	3
12	9 x 2 7/16 x 3/16	1	6 1/2

**FUSE PANEL — Fig. 694**

**Molded Plastic — Brass Metal Parts — For 1/4" x 1-1/4" Fuses up to 20 Amps.**

**For two active fuses and one spare.**

Dimensions Inches	Standard Package	Weight Ounces
2 7/16 x 1 1/2 x 3/16	5	1 1/2

**TERMINAL BLOCKS — Fig. 627**

**Molded Plastic Base — Brass Parts**

**Rated 30 Amps at 12 Volts.**

Number Of Gangs	Dimensions Inches	Standard Package	O.E.M. Package	Weight Ounces
2	1 1/2 x 1 1/2 x 3/16	5	50	1 1/4
4	3 x 1 1/2 x 3/16	5	50	2
6	4 1/2 x 1 1/2 x 3/16	5	50	2 1/4

**4 POLE CONNECTOR — Fig. 751**

**Plastic Body — Brass Contacts**

**Screw Terminals — Polarized**

Size Inches	Standard Package	O.E.M. Package	Weight Ounces
1 x 2 3/4	10	50	1

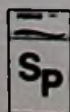
**MOLDED LINE CONNECTORS — Fig. 720**

**Plastic Bodies — Brass Contacts**

**Polarized — 15 Amps at 12 Volts**

**Both Male and Female Side have 12 inch long 18 gauge color coded wires.**

Poles	Width Inches	Standard Package	Weight Ounces
2	3/8	5	1/2
3	7/8	5	1
4	1 1/8	5	1 1/2



➔ This item available in SKIN PACK, See Section L.



**WATERTIGHT CABLE OUTLETS — Figs. 424 & 1191**

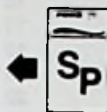
**Fig. 424 Chrome Plated Brass**

**Fig. 1191 Chrome Plated Zinc**

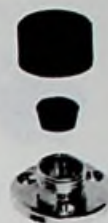
Equipped with rubber grommet for watertight passage of cable

For Cable Inches	Diameter Base Inches	Standard Package	Screw Size	Weight Ounces
3/16	1 1/4	10	4	1

Fig. 1191 available in SKIN PACK, See Section L.



**Fig. 424 — Chrome Plated Brass**  
**Fig. 1191 — Chrome Plated Zinc**



**WATERTIGHT DECK CONNECTIONS — Figs. 1189 & 1190**

**Fig. 1189 Chrome Plated Brass**

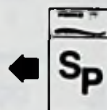
**Fig. 1190 Chrome Plated Zinc**

Polarized Double Contact Connector—15 Amps at 12 Volt waterproof cover for base when plug removed

Diameter Inches	Height Inches	Standard Package	Screw Size	Weight Ounces
1 3/8	1 3/16	10	4	2

Not ignition Protected, See Page CD-11.

Fig. 1190 available in SKIN PACK, See Section L.



**Fig. 1189 — Chrome Plated Brass**  
**Fig. 1190 — Chrome Plated Zinc**



**PLASTIC CABLE STRAPS — Fig. 196**

Made of black plastic, ultra-violet stabilized for weather resistance. Eliminates the need for insulating cushion and provides excellent cable support at low cost.

No.	Cable Diameter Inches	Width Inches	No.	Cable Diameter Inches	Width Inches
1	3/16	1/2	5	1/2	1/2
2	1/4	1/2	6	5/8	1/2
3	3/16	1/2	7	3/4	1/2
4	3/8	1/2			

Standard package 100 pieces per size Minimum Quantity.

O.E.M. Package, all sizes, 500.

Conforms To U.S.C.G. Electrical Standards. See Page CD-11.



**Fig. 196**

**BRASS CABLE STRAPS — Fig. 121**

For Cable, Tubing, Control Wire, Etc.

No.	Inside Diameter Inches	Length Inches	Width Inches	No.	Inside Diameter Inches	Length Inches	Width Inches
1	1/8	1 3/16	1/2	6	7/16	1 1/2	1/2
2	3/16	1 3/8	1/2	7	1/2	1 1/2	1/2
3	1/4	1 5/16	1/2	8	3/8	1 3/4	1/2
4	3/16	1 3/16	1/2	9	3/4	1 1/8	1/2
5	3/8	1 1/8	1/2				

Standard package 100 pieces per size Minimum Quantity.

Conforms To U.S.C.G. Fuel Standards.



**Fig. 121**

**LINE SUPPORT CLIPS — Figs. 163, 164 & 165**

Aluminum — Synthetic Rubber Cushion

No.	For O.D. Line Inches	Width Inches
1	3/16	3/8
2	1/4	3/8
3	3/16	1/2
4	3/8	1/2
5	1/2	1/2
6	3/8	1/2

Note: Fig. 164 Not Available in Size 6. Fig. 165 not available in sizes 1, 2 and 6.

Standard package 100 pieces per size Minimum Quantity.

Conforms to U.S.C.G. Electrical and Fuel Standards. See Page CD-11.



**Fig. 163**  
**Single**



**Fig. 164**  
**Double**



**Fig. 165**  
**Triple**

### BAYONET D.C. BASE — FIG. 337 CLEAR



Fig. 337

No.	Mfr. Lamp No.	Nominal Volts	Design Amps	C.P.	Bulb Diameter Inches	Standard Package
11	90	12	.58	6	3/4	10
12	1004	12	.94	15	3/4	10
13	1142	12	1.44	21	1	10
18	624	32	.37	9	3/4	10
19	1228	32	.45	15	1	10
20	1692	32	.61	21	1	10
21	1054	32	.74	32	1-3/8	10
23	15T7	120	---	15W	7/8	6



Fig. 56

### MINIATURE BAYONET BASE — FIG. 56 CLEAR

No.	Mfr. Lamp No.	Nominal Volts	Design Amps	C.P.	Bulb Diameter Inches	Standard Package
4	1416	12	.80	8	13/32	10

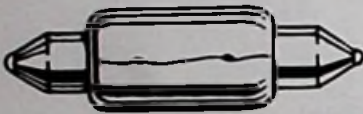
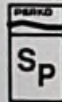


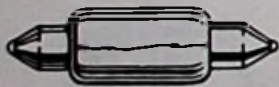
Fig. 70

### DOUBLE ENDED BASE — FIG. 70 CLEAR

No.	Mfr. Lamp No.	Nominal Volts	Design Amps	C.P.	Bulb Diameter Inches	Standard Package
0	212-2	12	.74	6	9/16	10
1	211-2	12	.97	12	9/16	10
2	---	32	.40	12	9/16	10



No. 1 Available in Skin Pack, See Section L.



Figs. 71 & 72

### DOUBLE ENDED BASE — FIGS. 71 & 72 CLEAR

Fig. No.	Mfr. Lamp No.	Nominal Volts	Design Amps	C.P.	Bulb Diameter Inches	Standard Package
71	---	12	.80	8	3/8	10
72	---	24	.40	8	3/8	10



Note: Perko Double Ended Bulbs have Nickel Plated Brass Caps and will not rust in a marine environment.

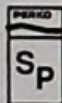


Fig. 71 Available in Skin Pack, See Section L.



Fig. 340

### MEDIUM SCREW BASE — FIG. 340 FROSTED

No.	Mfr. Lamp No.	Nominal Volts	Watts	Type	L.C.L. Inches	Standard Package
5	15-A	12	15	A-17	2-3/8	6
6	25-A	12	25	A-19	2-9/16	6
7	50-A21	12	50	A-21	3-7/16	6
11	15-A	32	15	A-17	2-3/8	6
12	25-A	32	25	A-19	2-9/16	2
13	50-A21	32	50	A-21	3-7/16	2

#### NOTES

High Power Bulbs and Sealed Beam Units For Searchlights, See Section E.

Sealed Beam Units for Spreader Lights and Additional Bulbs for Navigation Lights, See Section S.

**ELECTRIC BULBS ARE NOT RETURNABLE. ORDER CAREFULLY.**



**MOMENTARY SWITCH — Fig. 702**  
**Plastic With Red Push Button**  
**Single Pole — 10 Amps at 12 Volts**



Fig. 702

Max. Thickness of Panel Inches	Diameter Neck Inches	Standard Package	Weight Ounces
1/4	1/2	10	1/2

**PUSH BUTTON SWITCH — Fig. 703**  
**Push-On, Push-Off**  
**2 Amps at 14 Volts**



Fig. 703

Max. Thickness of Panel Inches	Diameter Neck Inches	Standard Package	Weight Ounces
1/8	3/8	10	1/2

This Item Available in Skin Pack, See Section L.



**TOGGLE SWITCHES — Figs. 688 and 745**  
**Nickle Plated Brass Toggle**  
**Single Pole, Single Throw (Off-On)**

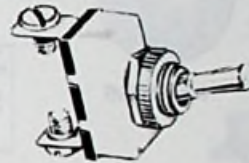


Fig. 688

Fig. 688 — 15 Amps at 12 Volts  
 Fig. 745 — 6 Amps at 12 Volts



Fig. 745

	Max. Thickness of Panel Inches	Diameter Neck Inches	Standard Package	Weight Ounces
Fig. 688	3/16	7/16	10	1
Fig. 745	5/16	7/16	10	3/4

NOTE: The above Switches are not Ignition Protected. See Below.

**U.S.C.G. ELECTRIC STANDARDS**

JANUARY 31, 1977 THE U.S.C.G. PUBLISHED SAFETY STANDARDS FOR MARINE ELECTRICAL SYSTEMS. THESE STANDARDS COVER SUCH TECHNICAL DETAILS AS:

CONDUCTOR SIZE AND AMAPACITY

STRAIN RELIEF AND PULL TESTS

TERMINATION REQUIREMENTS

OVERCURRENT PROTECTION

IGNITION PROTECTION

BATTERIES AND ASSOCIATED CONDUCTORS

GROUNDING

INSULATION

A particular electrical component may be affected by some or all of the above categories. Those categories related to product design have been complied with, however, many additional details must be considered by the installer of the equipment as well in order to achieve compliance with this standard. It is suggested that the actual standard be familiarized when installing equipment. Perhaps one of the most critical requirements is ignition protection. A product that is marked "Ignition Protected" can be used in that area of a boat that is not isolated from a gasoline fuel vapor source. Refer to the actual standard for a determination of what parts of a boat require Ignition Protected products. If a product is not plainly marked "Ignition Protected" then assume it is not.

FOR DETAILS ON ALL OF THE ABOVE, OBTAIN THE FOLLOWING:

U.S.C.G. SAFETY STANDARDS FOR ELECTRICAL SYSTEMS

CFR TITLE 33, CHAPTER 1, SUBCHAPTER S, PART 183, SUBPART I, (33CFR183).

**LIGHTING FIXTURES**  
**LOW VOLTAGE — FOR SYSTEMS UP TO 50 VOLTS**



Fig. 217



Fig. 1295



**BULKHEAD FIXTURES — Figs. 217 & 1295**

Chrome Plated Zinc

Medium Screw Socket — Turn Switch

Fig. 1295 Has Power Take-Off Receptacle.

Fig.	Size Base Inches	Projection Less Lamp Inches	Screw Size	Weight Ounces
217	2½ x 1¼	2¾	6	10
1295	2½ x 1¼	2¾	6	10

Fig. 217 available in SKIN PACK, See Section L.



Fig. 450

**BULKHEAD FIXTURE — Fig. 450**

Cast Bronze

Polished Bronze or Chrome Plated Bronze

Medium Screw Socket — Turn Switch

Size Base Inches	Projection Less Lamp Inches	Screw Size	Weight Ounces
2½ x 2¼	2½	8	8



Fig. 1303 BK — Black  
 Fig. 1303 WH — White

**BULKHEAD FIXTURE — Fig. 1303**

Molded Plastic — Black or White

Size No. 1 has Bayonet Double Contact Socket. Will accommodate bulbs up to 32 C.P.

Size No. 2 has Medium Screw Socket. Will accommodate bulbs up to 40 watts.

No.	Dimensions Wall Plate Inches	Normal Projection Inches	Length Shade Inches	Screw Size	Weight Ounces
1	4½ x 3¼	4¾	3	8	3
2	4½ x 3¼	5	4½	8	5

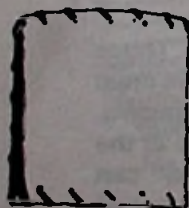


Fig. 29



Fig. 34

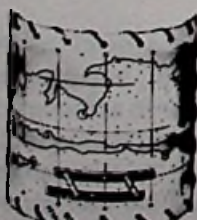


Fig. 36

**BULB SHIELDS — Figs. 29, 34 & 36**

Translucent Plastic — Brass Plated Steel Frame Reversible for Hanging or Upright Bulb

Width Inches	Height Inches	Max. Bulb Size	Standard Package	Weight Ounces
4½	4¾	60W	10	1



**DOME LIGHTS**  
**LOW VOLTAGE — FOR SYSTEMS UP TO 50 VOLTS**

**FLUSH MOUNT — Fig. 308**

Chrome Plated Zinc

**Push Switch — Double Contact Socket —  
 Complete with 12 Volt Bulb**

No.	Diameter Globe Inches	Diameter Overall Inches	Depth Above Flange Inches	Depth Below Flange Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
0	3	3¼	¾	¾	10 R.H.	1	10	5
1	4	4½	¾	1¼	10 R.H.	1	10	7
2	5	5½	¾	1½	12 R.H.	1	10	9



Fig. 308

**SURFACE MOUNT — Fig. 300**

Chrome Plated Zinc

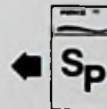
**Push Switch — Double Contact Socket —  
 Complete with 12 Volt Bulb**

No.	Diameter Globe Inches	Diameter Overall Inches	Depth Overall Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
0	3	3¾	1½	10 R.H.	1	10	7
1	4	5¾	1¾	10 R.H.	1	10	9
2	5	6½	2	12 R.H.	1	10	11



Fig. 300

Fig. 300 No. 1 available in SKIN PACK, See Section L.



**SURFACE MOUNT — Fig. 555**

Chrome Plated Bronze

**Toggle Switch — Medium Screw Socket —  
 Uses 15 Watt, A-17 Bulb.  
 Bulb not included**

Diameter Globe Inches	Diameter Base Inches	Depth Inches	Screw Size	Standard Package	Weight Pounds
6	7¾	3¾	8	1	3¾



Fig. 555

**SURFACE MOUNT — Fig. 753**

Chrome Plated Wrought Brass

**Toggle Switches — Medium Screw Sockets —  
 Bulbs Not Included**

No. 1 has one socket and switch. For Bulb up to 50 watts.  
 No. 2 has two sockets and switches. For Bulbs up to 25 watts each.

No.	Diameter Base Inches	Diameter Glass Inches	Depth Overall Inches	Screw Size	Standard Package	Weight Pounds
1	9½	8	3	10	1	2
2	9½	8	3	10	1	2¼



Fig. 753

LIGHTING FIXTURES

**SURFACE MOUNT — Fig. 318-A**

**Dual Voltage — For 12 or 120 Volts  
White Translucent Plastic Globe —  
Heavy Chrome Plated Die Cast  
Zinc Base with Integral Junction Box**

**Double Contact Sockets Complete  
with two 12 Volt and two 120 Volt Bulbs**

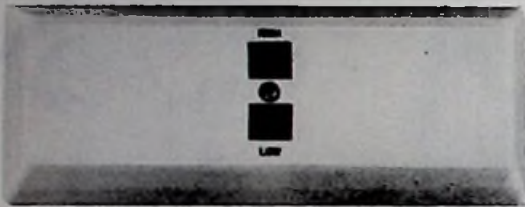
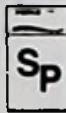


Fig. 318-A

Length Inches	Width Inches	Depth Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
9¾	3½	1¾	10	1	10	1¾



This item available in SKIN PACK, See Section L.

**SURFACE MOUNT — Fig. 1266**

**WATERTIGHT  
Chrome Plated Bronze**

**Toggle Switch — Double Contact  
Socket — For Bulbs up to 21 C.P. —  
Bulb not included. Supplied with  
One Packing Gland for 5/16 inch Cable**



Fig. 1266

Diameter Inches	Diameter Globe Inches	Depth Inches	Screw Size	Standard Package	Weight Pounds
3½	3¾	2¾	10	1	1¾

With extra packing glands installed, price on application

**SURFACE MOUNT — Figs. 1087 & 1090**

**VAPOR PROOF  
Satin Finish Die Cast Aluminum**

**Fig. 1087 — Ceiling Mount  
Fig. 1090 — Bulkhead Mount**

**Glass Globes — Cast Guards — Medium Screw  
Socket for Bulb up to 100 watts —  
Bulb not included — Integral Junction Box has  
four 1/2 Inch. I.P.S. Tappings.**



Fig. 1087



Fig. 1090

Fig.	Diameter Box Inches	Length Overall Inches	Projection Inches	Bolt Size	Standard Package	Weight Pounds
1087	3¾	9½	—	¼	1	3
1090	3¾	10	7	¼	1	3¾

Note: These fixtures are listed in accordance with U.L. Standard 57, for enclosed gasketed fixtures. Not evaluated for use in Hazardous or Explosive Atmospheres.



Listed by  
Underwriters  
Laboratories



## SPREADER LIGHT — Fig. 1040

**ADJUSTABLE**  
**Molded Black Plastic Body**  
**Chrome Plated Brass Mounting Bracket**  
**with 12, 24, or 32 Volt Sealed Beam Unit**

Diameter Inches	Depth Inches	Mounting Bracket Inches	Screw Size	Standard Package	Weight Pounds
4-1/2	4-1/2	4-1/2 X 1	12 R.H.	1	1-1/2

This item Available in 12 Volt in Display Pack, See Section L.

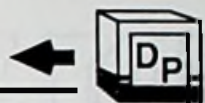


Fig. 1040



## SPREADER LIGHT — Fig. 280

**ADJUSTABLE**  
**Chrome Plated Brass**  
**with 12, 24, or 32 Volt Sealed Beam Unit**

Diameter Inches	Depth Inches	Mounting Bracket Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
4-5/8	2-1/2	5-3/8 X 3/4	12 R.H.	1	10	1

This item Available in 12 Volt in Display Pack, See Section L.

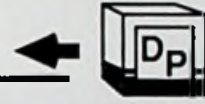


Fig. 280

## SPREADER LIGHT — FIG. 265

**FIXED MOUNT**  
**Chrome Plated Bronze**  
**Complete with 12 Volt, 6 C.P. Bulb**

Diameter Inches	Depth Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2-3/4	1-3/8	6	1	10	4-1/2

This item Available in Skin Pack, See Section L.

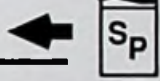


Fig. 265



## UTILITY LIGHT — Fig. 1044

**Molded Plastic — Black or White**  
**Complete with 12 Volt, 3 Watt Bulb**  
**Easily Installed by cutting a 1-3/4" Diameter Hole.**

Dimensions Inches	Depth Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2-1/4 X 2-1/4	15/16	6	10	25	1



Fig. 1044

## UTILITY LIGHTS — Figs. 137 & 140

**Fig. 137 - Fixed Utility Light - Molded Black Plastic**  
**Fig. 140 - Diffused Utility Light - Molded White Plastic**

**Complete with 12 volt, 1 watt Bulb**

Size Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1-3/8 X 5/8	6	10	100	1/2

Fig. 140 Available in Skin Pack, See Section L.

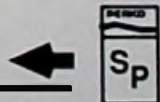
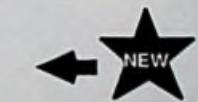


Fig. 137



Fig. 140

## UTILITY FIXTURE — Fig. 1254

**ADJUSTABLE**  
**Chrome Plated Zinc**  
**Complete With 12 Volt, 6 C.P. Bulb — Shield Swivels To Change Position**

Diameter Overall Inches	Length Neck Inches	O.D. Neck Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2-5/8	3/4	7/8	6	1	10	6



Fig. 1254

OIL LAMPS

ALL BRASS CONSTRUCTION — DESIGNED FOR USE WITH KEROSENE OR LAMP OIL



Fig. 312

**UNIVERSAL — Fig. 312**  
Polished Brass

Height Overall Inches	Chimney Height Inches	Diameter Fount Inches	Capacity Fount Fluid Ounces	Weight Pounds
11¼	8½	5	21	1½



Fig. 168

**BULKHEAD MOUNT — Fig. 168**

Polished Brass or Chrome Plated Brass

Gimbaled with Weighted Base

Height Overall Inches	Chimney Height Inches	Extension Inches	Capacity Fount Fluid Ounces	Screw Size	Weight Pounds
9	5	5	7	8	1¼



Fig. 141

**BULKHEAD MOUNT — Fig. 141**

Polished Brass or Chrome Plated Brass

Gimbaled with Weighted Base

No.	Height Overall Inches	Chimney Height Inches	Extension Inches	Capacity Founts Fluid Ounces	Screw Size	Weight Pounds
1	10½	4½	5½	12	8	1¼
2	12½	6	6	19	8	2

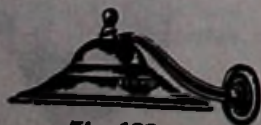


Fig. 128

**SMOKE BELL AND ARM — Fig. 128**

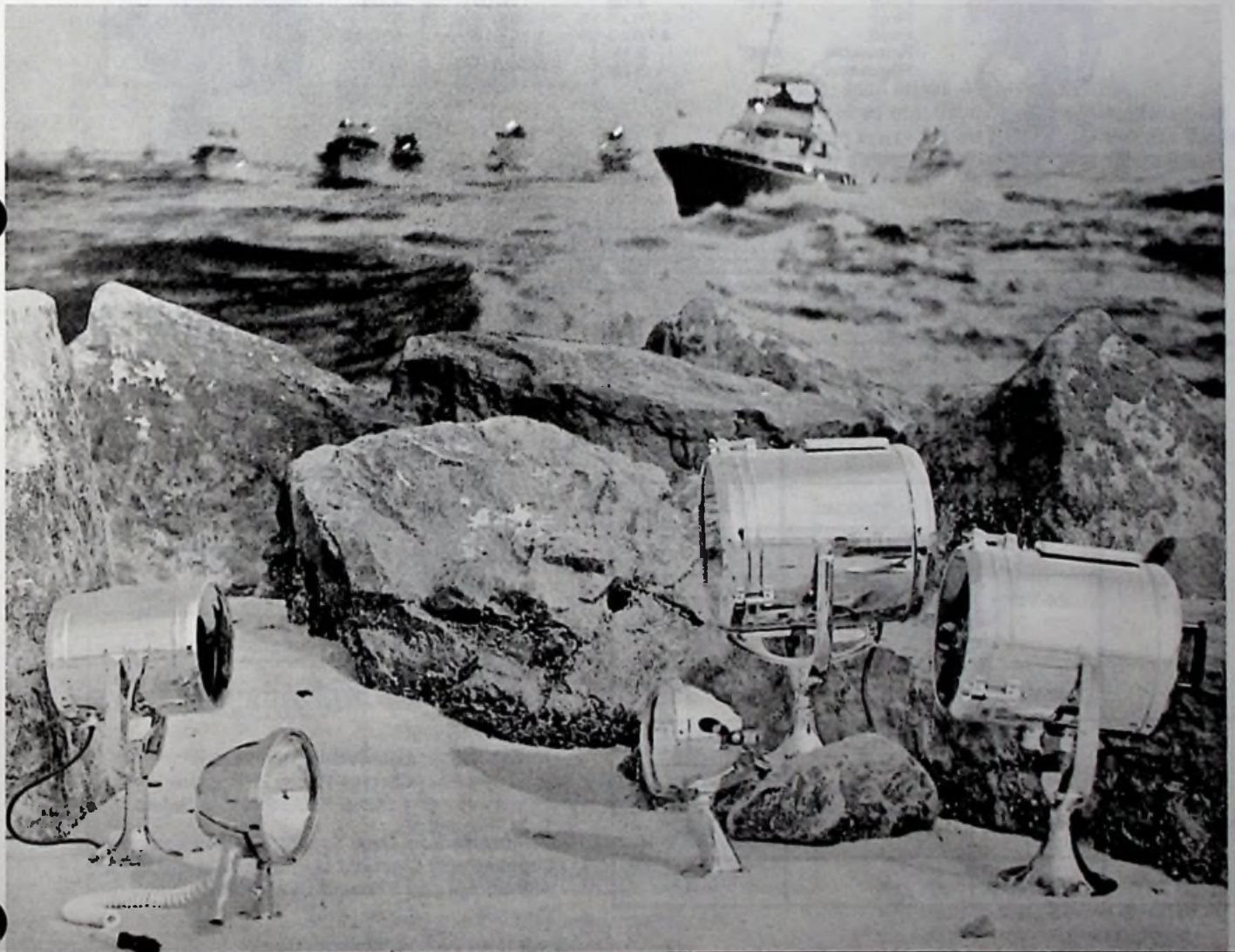
Polished Brass or Chrome Plated Brass

No.	For Lamp Fig.	Diameter Bell Inches	Extension to center Inches	Screw Size	Weight Ounces
0	168	4	3½	8	4
1	141 Nos. 1 & 2	4	4	8	4



# PERKO®

## SEARCHLIGHTS



MANUFACTURED BY PERKO, INC., 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164-0414  
FOR COMPLETE LINE SEE CATALOG NO. 250



**SEALED BEAM SEARCHLIGHTS**

**BRASS BODY - POLISHED CHROME FINISH  
12, 24, or 32 VOLTS**

**DECK CONTROL  
WITH SWITCH IN HEAD**

**Electrical Specifications**

Sealed Beam Size	Voltage	Wattage	Beam Candlepower	Approximate Range	Spare Sealed Beam
4-1/2"	12V	30	50,000	1/4 Mile	433 001 12V
4-1/2" - Halogen	12V	50	100,000	1/3 Mile	435 001 12V
6"	12V	100	200,000	1/2 Mile	433 002 12V
6" - Halogen	12V	50	160,000	1/2 Mile	435 002 12V
6"	24V	250	300,000	2/3 Mile	433 002 24V
7"	12V	100	250,000	5/8 Mile	433 003 12V
7"	24V	450	470,000	3/4 Mile	433 003 24V
7"	32V	200	260,000	5/8 Mile	433 003 32V



Mount	Sealed Beam Size	Dimensions Base Inches	Height Above Deck Inches	Weight Pounds
Fixed	4-1/2"	3-1/2	7-1/2	1-1/2
Fixed	6"	4-7/8 x 3-1/8	12	5
Fixed	7"	4-7/8 x 3-1/8	12-1/2	5
Removable	4-1/2"	2-1/8	7-1/2	2-1/4
Removable	7"	2-1/8	10	3-1/2



**Fig. 538 – Fixed Mount-Brass Base.  
4-1/2" Size Sealed Beam.**

**Fig. 534 – Fixed Mount-Bronze Base.  
6" & 7" Size Sealed Beam.**

Mounting	Voltage	Sealed Beam Size	Stock Numbers
Fixed	12-Volt	4-1/2"	538 000 CHR
		4-1/2"-Halogen	538 H00 CHR
		6"	534 002 12V
		6" -Halogen	534 H02 12V
		*7"	534 003 12V
	24-Volt	6"	534 002 24V
		*7"	534 003 24V
32-Volt	*7"	534 003 32V	
Removable (Hand-Held)	12-Volt	4-1/2"	440 001 12V
		4-1/2"-Halogen	440 H01 12V
		7"	440 003 12V
	32-Volt	7"	440 003 32V



**Fig. 440 – Removable (Hand-Held)  
Chrome Plated Zinc Base.  
4-1/2" & 7" Size Sealed Beam.**

**Removable from Deck Socket for Portable Operation.  
Supplied with Cigarette Lighter Plug and D.C. Plug  
with Socket and 8 Feet of Coiled Cord.**

\*7" Size does not have lens bezel as illustrated. See Fig. 440 for basic design of head.



# SEALED BEAM SEARCHLIGHTS

## CAST BRONZE BASE - BRASS BODY POLISHED CHROME FINISH 12, 24, or 32 VOLTS

Size	Dimensions Base Inches	Height Above Deck Inches	Weight Pounds
6"	4-7/8 x 3-1/8	12	5
7"	4-7/8 x 3-1/8	12-1/2	5

Voltage	Sealed Beam Size	Stock Numbers
12 - Volt	6"	535 002 12V
	6" - Halogen	535 H02 12V
	*7"	535 003 12V
24 - Volt	6"	535 002 24V
	*7"	535 003 24V
32 - Volt	*7"	535 003 32V

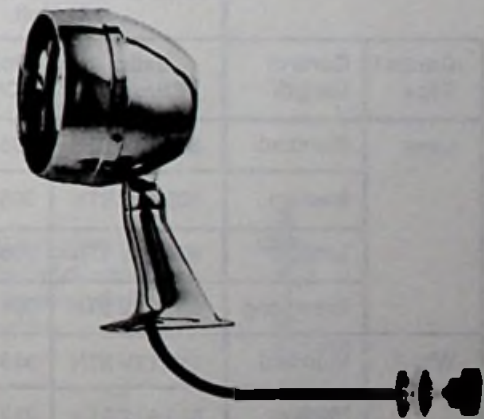


**Fig. 535 - PILOT HOUSE CONTROL**  
Supplied with finishing plate for underside of cabin top and head locking device. For Decks with a maximum thickness of 4-1/2 inches.

### Electrical Specifications

Sealed Beam Size	Voltage	Wattage	Beam Candlepower	Approximate Range	Spare Sealed Beam
6"	12V	100	200,000	1/2 Mile	433 002 12V
6" - Halogen	12V	50	260,000	1/2 Mile	435 002 12V
6"	24V	250	300,000	2/3 Mile	433 002 24V
7"	12V	100	250,000	5/8 Mile	433 003 12V
7"	24V	450	470,000	3/4 Mile	433 003 24V
7"	32V	200	260,000	5/8 Mile	433 003 32V

Voltage	Sealed Beam Size	Stock Numbers		
		36 Inch Control	48 Inch Control	60 Inch Control
12 - Volt	6"	536 02A 12V	536 02B 12V	536 02C 12V
	6" - Halogen	536 H2A 12V	536 H2B 12V	536 H2C 12V
	*7"	536 03A 12V	536 03B 12V	536 03C 12V
24 - Volt	6"	536 02A 24V	536 02B 24V	536 02C 24V
	*7"	536 03A 24V	536 03B 24V	536 03C 24V
32 - Volt	*7"	536 03A 32V	536 03B 32V	536 03C 32V



**Fig. 536 - FLEXIBLE REMOTE CONTROL**  
Has head locking device on dash for maintaining set position of head.

NOTE: Special lengths other than above, price on application.  
Maximum length for smooth operation is 12 feet.

\*7" Size does not have lens bezel as illustrated. See Fig. 440 on page E-2 for basic design of head.

**SEALED BEAM SEARCHLIGHTS**

**CAST BRONZE BASE - BRASS BODY**  
**SATIN CHROME OR POLISHED CHROME FINISH**  
**12, 24, or 32 VOLTS**

"A" Inches	"B" Inches	"C" Inches	"D" Inches	"G" Inches	"H" Inches	Weight Pounds
8	8-1/2	10	7	2	2-1/8	14

**Electrical Specifications**

Voltage	Wattage	Beam Candlepower	Approximate Range	Spare Sealed Beam
12V	100	250,000	5/8 Mile	433 003 12V
24V	450	470,000	3/4 Mile	433 003 24V
32V	200	260,000	5/8 Mile	433 003 32V



**Fig. 305 - LEVER CONTROL**

Control Length	"E" Inches
Standard	8-1/2
Medium	15-1/2
Long	22-1/2
Extra Long	29-1/2



**Fig. 313 - WHEEL CONTROL**

Control Length	"F" Inches
Standard	7-1/2
Medium	14-1/2
Long	21-1/2
Extra Long	28-1/2

**STOCK NUMBERS**

Control Type	Control Length	12 - Volt		24 - Volt		32 - Volt		Control Only
		Satin Chrome	Polished Chrome	Satin Chrome	Polished Chrome	Satin Chrome	Polished Chrome	
Lever	Standard	305 12V STN	305 12V CHR	305 24V STN	305 24V CHR	305 32V STN	305 32V CHR	851 000 CHR
	Medium	305 A12 STN	305 A12 CHR	305 A24 STN	305 A24 CHR	305 A32 STN	305 A32 CHR	851 LA0 CHR
	Long	305 B12 STN	305 B12 CHR	305 B24 STN	305 B24 CHR	305 B32 STN	305 B32 CHR	851 LB0 CHR
	Extra Long	305 C12 STN	305 C12 CHR	305 C24 STN	305 C24 CHR	305 C32 STN	305 C32 CHR	851 LC0 CHR
Wheel	Standard	313 12V STN	313 12V CHR	313 24V STN	313 24V CHR	313 32V STN	313 32V CHR	852 000 CHR
	Medium	313 A12 STN	313 A12 CHR	313 A24 STN	313 A24 CHR	313 A32 STN	313 A32 CHR	852 LA0 CHR
	Long	313 B12 STN	313 B12 CHR	313 B24 STN	313 B24 CHR	313 B32 STN	313 B32 CHR	852 LB0 CHR
	Extra Long	313 C12 STN	313 C12 CHR	313 C24 STN	313 C24 CHR	313 C32 STN	313 C32 CHR	852 LC0 CHR

**NOTE:** Different length controls of the same type are interchangeable making it possible to offer a variety of lights with a minimum of inventory.



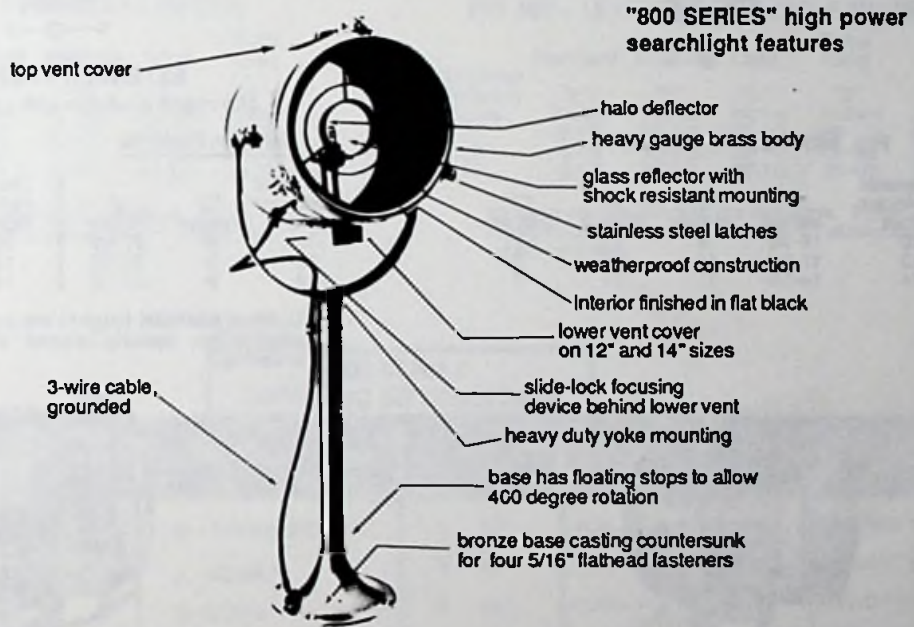
# SOLAR-RAY® SEARCHLIGHTS - 800 SERIES 10", 12", or 14"

out

## HEAVY GAUGE BRASS AND CAST BRONZE PLAIN BRASS, SATIN CHROME OR POLISHED CHROME FINISH 12, 24, 32, or 120 VOLTS

The 800 Series - Solar-Ray® Searchlights are available in 10", 12" and 14" sizes with your choice of Deck, Wheel, Lever, Lever/Gear, or Console Mount Controls. All models feature halo deflectors, parabolic glass mirror reflectors for maximum light output and ventilation covers for quick dissipation of heat to help prolong bulb life. Hinged front doors have quick release stainless steel latches to provide easy access for bulb replacement. The 800 Series models are available in our commercial satin chrome finish, which eliminates painting and provides a scratch resistant and chip-proof surface.

Solar-Ray® Searchlights give you a choice of the traditional incandescent or the brighter, more piercing quartz-halogen bulbs in a broad variety of voltages and wattages to fit every need. For complete information on bulbs and candlepower output, see Pages E-10 & E-11.



"800 SERIES" high power searchlight features

### CONTROL TYPES

#### DECK CONTROL

Equipped with handles on the rear cover for positioning.



#### LEVER CONTROL

Aim handle for horizontal position. Move handle up & down for vertical position.

#### LEVER/GEAR CONTROL

Aim handle for horizontal position. Twist handle for vertical position.



#### WHEEL CONTROL

Turn upper wheel for horizontal position. Turn lower wheel for vertical position.

#### LEVER/GEAR CONSOLE MOUNT

Operates same as Lever/Gear control with addition of lower bearing support.



SOLAR-RAY® SEARCHLIGHTS - 800 SERIES  
10", 12", or 14"

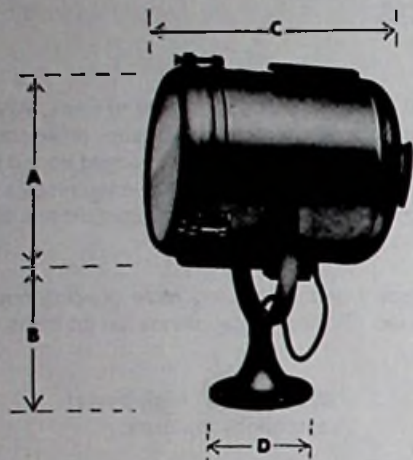


Fig. 883 - DECK CONTROL

Diameter Reflector Inches	"A" Inches	"B" Inches	"C" Inches	"D" Inches
10	10-1/8	9	13	7
12	12-1/8	10	15	7
14	14-1/8	11	17	7



EXTENDED PEDESTAL

(An option available with any control type)

Medium Pedestal

High Pedestal

Diameter Reflector Inches	"D" Inches	"J" Inches	Diameter Reflector Inches	"D" Inches	"J" Inches
10	8	27-1/2	10	8	44
12	8	29-1/2	12	8	46
14	8	31-1/2	14	8	48

Custom pedestal heights are available. Price on application. Specify desired "J" dimension when ordering.



Fig. 884 - LEVER CONTROL

Diameter Reflector Inches	Standard "E" Inches	Medium "E" Inches	Long "E" Inches	Extra Long "E" Inches	"H" Inches
10	8-1/2	15-1/2	22-1/2	29-1/2	2-1/8
12	8-1/2	15-1/2	22-1/2	29-1/2	2-1/8
14	8-1/2	15-1/2	22-1/2	29-1/2	2-1/8

Custom control lengths are available. Price on application. Specify desired "E" dimension when ordering.

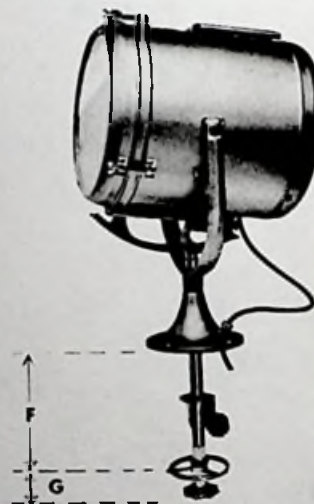


Fig. 885 - WHEEL CONTROL

Diameter Reflector Inches	Standard "F" Inches	Medium "F" Inches	Long "F" Inches	Extra Long "F" Inches	"G" Inches
10	7-1/2	14-1/2	21-1/2	28-1/2	2
12	7-1/2	14-1/2	21-1/2	28-1/2	2
14	7-1/2	14-1/2	21-1/2	28-1/2	2

Custom control lengths are available. Price on application. Specify desired "F" dimension when ordering.



**SOLAR-RAY® SEARCHLIGHTS - 800 SERIES**  
 10", 12", or 14"



Fig. 886 - LEVER/GEAR CONTROL

Diameter Reflector Inches	Standard	Medium	Long	Extra Long
	"E" Inches	"E" Inches	"E" Inches	"E" Inches
10	8-1/2	15-1/2	22-1/2	29-1/2
12	8-1/2	15-1/2	22-1/2	29-1/2
14	8-1/2	15-1/2	22-1/2	29-1/2

Custom control lengths are available. Price on application. Specify desired "E" dimension when ordering.

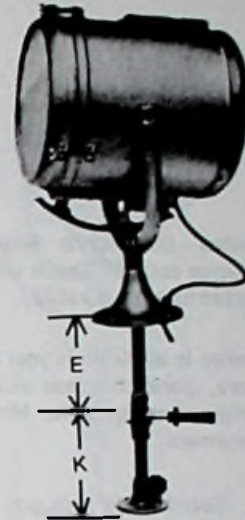


FIG. 887 - LEVER/GEAR CONSOLE MOUNT

Diameter Reflector Inches	Standard	Medium	Long	Extra Long	"K" Inches Specify*
	"E" Inches	"E" Inches	"E" Inches	"E" Inches	
10	8-1/2	15-1/2	22-1/2	29-1/2	Specify*
12	8-1/2	15-1/2	22-1/2	29-1/2	Specify*
14	8-1/2	15-1/2	22-1/2	29-1/2	Specify*

Custom control lengths are available. Price on application. Specify desired "E" dimension when ordering.

**800 SERIES ORDERING INFORMATION**

CONTROL TYPE	PEDESTAL HEIGHT	CONTROL LENGTH	SIZE	FINISH	SOCKET
883 - DECK	O - STANDARD	O - STANDARD	1 - 10"	PLB - PLAIN BRASS	REFER TO THE BULB CHART ON PAGE
884 - LEVER	M - MEDIUM	A - MEDIUM	2 - 12"	STN - SATIN CHROME	E-10 FOR THE SOCKET CODE
885 - WHEEL	H - HIGH	B - LONG	3 - 14"	CHR - POLISHED CHROME	LETTER FOR YOUR SEARCHLIGHT.
886 - LEVER/GEAR		C - EXTRA LONG			
887 - LEVER/GEAR* (CONSOLE MOUNT)					

Example Part Number: 885 MC3 STN-E is a wheel control searchlight with a medium height pedestal, extra long control, 14" reflector, satin chrome plated with a medium prefocus socket.

**CONTROL ASSEMBLIES ONLY ORDERING INFORMATION**

CONTROL TYPE	PEDESTAL HEIGHT	CONTROL LENGTH
851 - LEVER	O - STANDARD	OO - STANDARD
852 - WHEEL	M - MEDIUM	AO - MEDIUM
969 - LEVER/GEAR	H - HIGH	BO - LONG
966 - LEVER/GEAR* (CONSOLE MOUNT)		CO - EXTRA LONG

**NOTE**

Different length controls (except those for medium and high pedestals) of the same type are interchangeable making it possible to offer a variety of lights with a minimum of inventory.

\*Specify "K" dimension as measured from the center of the lever/gear to the bottom of the console flange. Minimum "K" is 6 inches.

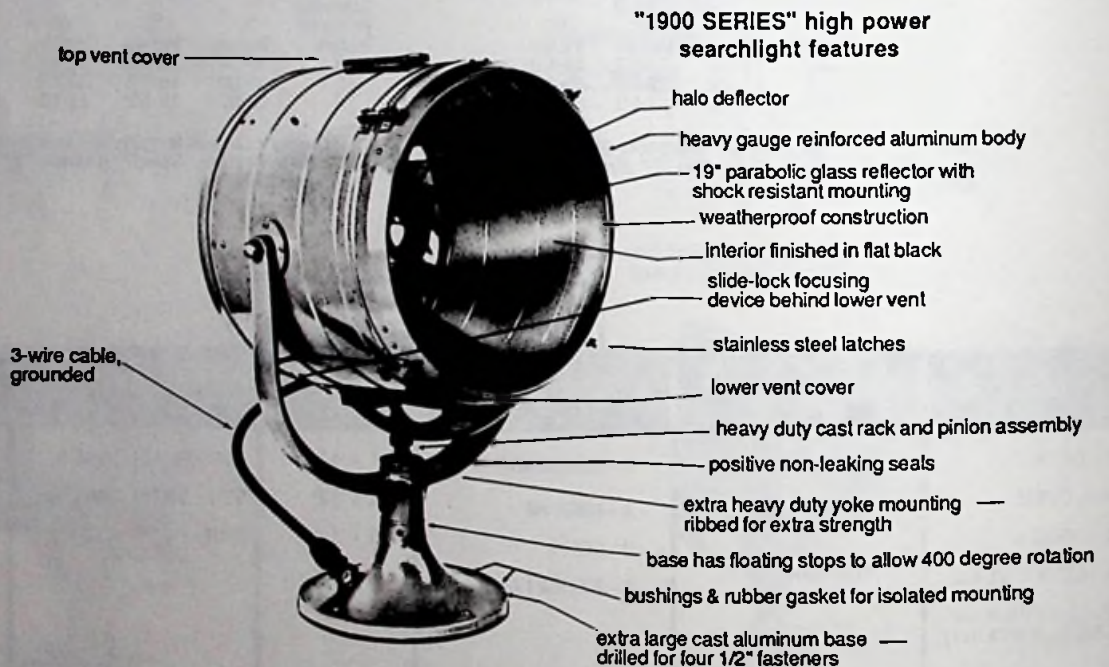
# 19" SOLAR-RAY® SEARCHLIGHTS - 1900 SERIES

ALL ALUMINUM - PAINTED GRAY  
32, 120 OR 230 VOLTS

The 1900 Series - Solar-Ray® Searchlights are designed and built with the commercial user in mind where maximum size and brilliance counts. These units are constructed of marine aluminum with heavy duty castings and heavy gauge reinforced bodies for extra durability.

The 1900 Series is available in your choice of Deck, Wheel, Lever/Gear or Console Mount Controls. All models feature halo deflectors, parabolic glass mirror reflectors for maximum light output and ventilation covers for quick dissipation of heat to help prolong bulb life. Hinged front doors have quick release stainless steel latches to provide easy access for bulb replacement.

Solar-Ray® Searchlights give you a choice of the traditional incandescent or the brighter, more piercing quartz-halogen bulbs in a broad variety of voltages and wattages to fit every need. For complete information on bulbs and candlepower output, see pages E-10 & E-11.



## CONTROL TYPES

### DECK CONTROL

Equipped with handles on the rear cover for positioning



### WHEEL CONTROL

Turn upper wheel for horizontal position. Turn lower wheel for vertical position.

### LEVER/GEAR CONTROL

Aim handle for horizontal position. Twist handle for vertical position



### LEVER/GEAR CONSOLE MOUNT

Operates same as Lever/Gear control with addition of lower bearing support.

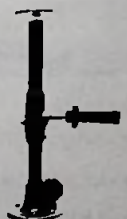






Fig. 1901 - DECK CONTROL

"A" Inches	"B" Inches	"C" Inches	"D" Inches
19-1/2	13-1/4	20-3/4	13



Fig. 1902 - LEVER/GEAR CONTROL

"E" Inches	"H" Inches
22	4-1/4



Fig. 1903 - WHEEL CONTROL

"F" Inches	"G" Inches	"H" Inches
20-1/2	2-1/2	4-1/4



Fig. 1904 - LEVER/GEAR CONSOLE MOUNT

"E" Inches	"K" Inches
22	Specify**

Control Type	STOCK NUMBERS	
	Searchlight	Control Only
Deck	1901 000 GRY*	-----
Lever/Gear	1902 000 GRY*	1921 000 GRY
Wheel	1903 000 GRY*	1922 000 GRY
Lever/Gear** (Console Mount)	1904 000 GRY*	1923 000 GRY

**NOTE**

The control assemblies listed to the left are interchangeable making it possible to offer a variety of lights with minimum inventory.

\*Refer to the bulb chart on Page E-10 for the Socket Code letter for your Searchlight and specify after the stock number when ordering.

\*\*Specify "K" dimension as measured from the center of the Lever/Gear to the bottom of the console flange. Minimum "K" is 6 inches.

**SPECIAL PEDESTAL HEIGHTS AND EXTRA LONG CONTROL SEARCHLIGHTS ARE AVAILABLE.  
PRICE ON APPLICATION - SPECIFY MEASUREMENTS**

**IMPORTANT BULB INFORMATION FOR SOLAR-RAY® SEARCHLIGHTS**

— BULBS ARE NOT INCLUDED IN LIGHTS —

To give good results, the bulb and reflector must be perfectly compatible; therefore be sure to specify the stock number of the bulb desired. Peak candlepower is exceedingly sensitive to many factors, i. e. light source out of focus by 1/32 inch, under-voltage of only 4%, or differences between bulb manufacturers, which may cause reduction of range up to 20%.

**INCANDESCENT BULB RECOMMENDATIONS**

BULB STOCK NUMBER	VOLTS	WATTS	SOCKET TYPE	SOCKET CODE LETTER	FOR SEARCHLIGHT SIZE	**RATED LIFE HOURS
806	32	500	MEDIUM SCREW	B	10", 12", 14", 19"	50
807	120	500	MEDIUM PREFOCUS	E	10", 12", 14", 19"	25
809	120	750	MEDIUM PREFOCUS	E	12", 14", 19"	25
837	120	750	MEDIUM PREFOCUS	E	12", 14", 19"	200
810	120	1000	MEDIUM PREFOCUS	E	12", 14", 19"	25
811	120	1000	MOGUL SCREW	D	12", 14"	25
840	120	1500	MOGUL PREFOCUS	L	12", 14", 19"	25
860	230	1000	MEDIUM PREFOCUS	E	12", 14", 19"	50

**"QUARTZ" TUNGSTEN-HALOGEN BULB RECOMMENDATIONS**

For more concentrated beam, longer distance, brighter lights, longer life, etc. we suggest these bulbs in the following sizes:

BULB STOCK NUMBER	VOLTS	WATTS	SOCKET TYPE	SOCKET CODE LETTER	FOR SEARCHLIGHT SIZE	**RATED LIFE HOURS
801	12	50	S.C. BAYONET	A	10", 12", 14"	200
816	12	100	2-PIN PREFOCUS	F	10", 12", 14"	50
836	24	150	2-PIN PREFOCUS	G	10", 12", 14"	50
817	32	200	2-PIN PREFOCUS	H	10", 12", 14"	200
844	120	500	MEDIUM PREFOCUS	E	10", 12", 14", 19"	100
820	120	600	2-PIN PREFOCUS	I	10", 12", 14"	75
845	120	750	MEDIUM PREFOCUS	E	12", 14", 19"	200
839	120	900	2-PIN PREFOCUS	K	12", 14", 19"	75
846	120	1000	MEDIUM PREFOCUS	E	12", 14", 19"	200
847	120	1000	MOGUL PREFOCUS	M	19"	200
848	120	1500	MOGUL PREFOCUS	L	19"	100
859	120	2000	MOGUL PREFOCUS	M	19"	250

Electric Bulbs are not returnable unless the fault is ours.

\*\*These are the "Rated Average Laboratory Life-Hours" of the bulb manufacturer. No guarantee to the time indicated.

**STOCK NUMBER CHART FOR ELECTRIC SOCKET WITH SUPPORT STAND FOR SOLAR-RAY® SEARCHLIGHTS**

Solar-Ray® Searchlights include the socket and support stand based on the bulb or socket information given when ordering. The following chart now makes it possible for distributors or dealers to order and stock different styles of these assemblies separately for field conversion, thereby covering a larger variety of voltage and candlepower requirements with minimum inventory.

SOCKET TYPE	10" SIZE		12" SIZE		14" SIZE		19" SIZE	
	STOCK NUMBER	OVERALL HEIGHT INCHES	STOCK NUMBER	OVERALL HEIGHT INCHES	STOCK NUMBER	OVERALL HEIGHT INCHES	STOCK NUMBER	OVERALL HEIGHT INCHES
S.C. BAYONET	871 001	3-1/8	871 002	4-1/8	871 003	5-1/8	N/A	—
MEDIUM SCREW	872 001	1-1/4	872 002	2-1/4	872 003	3-1/4	872 004	5-3/4
MEDIUM PREFOCUS	873 001	15/16	873 002	1-15/16	873 003	2-15/16	873 004	5-7/16
MOGUL SCREW	N/A	—	874 002	7/16	874 003	1-1/4	N/A	—
MOGUL PREFOCUS (1500W)	N/A	—	N/A	—	N/A	—	1930	3-5/8
MOGUL PREFOCUS (1000W & 2000W)	N/A	—	N/A	—	N/A	—	1931	3-1/8
2-PIN PREFOCUS (12 VOLT)	875 001	3-1/2	875 002	4-1/2	875 003	5-1/2	N/A	—
2-PIN PREFOCUS (24 VOLT)	876 001	3-1/4	876 002	4-1/4	876 003	5-1/4	N/A	—
2-PIN PREFOCUS (32 VOLT)	878 001	3-1/4	878 002	4-1/4	878 003	5-1/4	N/A	—
2-PIN PREFOCUS (600W)	879 001	3-1/8	879 002	4-1/8	879 003	5-1/8	N/A	—
2-PIN PREFOCUS (900W)	N/A	—	880 002	3-13/16	880 003	4-13/16	880 004	7-5/16



## BULB TECHNICAL DATA FOR SOLAR RAY® SEARCHLIGHTS

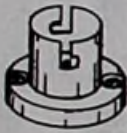
The Following Chart is Provided to Aid in Proper Bulb Selection

Searchlight Size	Voltage	Bulb Stock Number	Maximum Candlepower Output	Horizontal Beam Spread Degrees	Vertical Beam Spread Degrees	Approx. Range Miles*	Rated Life Hours
10"	12	801	251,000	1.6	2.1	5/8	200
	12	816	1,168,000	1.7	1.4	1	50
	24	836	891,000	2.6	1.5	1	50
	32	817	571,000	2.6	1.7	3/4	200
	32	806	943,000	3.4	3.9	1	50
	120	820	908,000	4.4	2.2	1	75
	120	807	1,332,000	3.5	2.8	1-1/8	25
	120	844	1,375,000	3.1	3.4	1-1/8	100
12"	12	801	407,000	1.3	1.5	3/4	200
	12	816	1,617,000	1.5	1.2	1-1/4	50
	24	836	1,349,000	2.2	1.5	1-1/8	50
	32	817	865,000	2.4	1.6	7/8	200
	32	806	1,496,000	3.4	3.5	1-1/8	50
	120	837	977,000	4.1	3.7	1	200
	120	845	1,185,000	3.7	5.2	1	200
	120	820	1,410,000	4.3	1.9	1-1/8	75
	120	809	1,747,000	3.6	3.4	1-1/4	25
	120	844	1,790,000	3.2	3.4	1-1/4	100
	120	807	1,799,000	3.3	3.1	1-1/4	25
	120	811	1,816,000	4.0	4.9	1-1/4	25
	120	810	1,894,000	4.0	3.8	1-3/8	25
	120	846	1,911,000	3.9	5.0	1-3/8	200
	120	839	2,482,000	4.5	5.5	1-1/2	75
	230	860	865,000	6.9	5.9	7/8	25
14"	12	801	443,000	1.2	1.4	3/4	200
	12	816	1,756,000	1.5	1.0	1-1/4	50
	24	836	1,367,000	2.3	1.2	1-1/8	50
	32	817	943,000	2.2	1.5	1	200
	32	806	1,591,000	4.0	3.7	1-1/8	50
	120	837	1,254,000	3.9	4.5	1-1/8	200
	120	845	1,531,000	3.6	5.1	1-1/8	200
	120	820	1,626,000	4.5	1.9	1-1/4	75
	120	844	2,007,000	2.9	3.2	1-3/8	100
	120	811	2,249,000	4.0	5.1	1-3/8	25
	120	807	2,353,000	3.2	3.2	1-1/2	25
	120	809	2,361,000	3.7	4.0	1-1/2	25
	120	846	2,586,000	3.8	5.0	1-1/2	200
	120	810	2,621,000	4.0	4.5	1-1/2	25
	120	839	2,889,000	4.5	5.2	1-5/8	75
	230	860	1,021,000	7.7	6.2	1	50
19"	32	806	3,520,000	3.5	3.7	1-2/3	50
	120	837	2,076,000	3.6	4.2	1-3/8	200
	120	845	2,871,000	3.6	5.4	1-5/8	200
	120	807	3,191,000	3.5	4.0	1-5/8	25
	120	859	3,633,000	9.4	5.9	1-2/3	250
	120	847	3,659,000	4.5	5.4	1-2/3	200
	120	844	4,212,000	3.0	5.4	1-3/4	100
	120	809	4,454,000	3.6	4.5	1-3/4	25
	120	846	4,601,000	4.5	5.4	1-7/8	200
	120	848	5,596,000	5.9	5.7	2	100
	120	810	5,622,000	3.6	4.2	2	25
	120	839	5,769,000	5.9	5.4	2	75
	120	840	5,968,000	5.6	5.4	2-1/8	25
	230	860	2,162,000	7.9	6.5	1-3/8	50

\*The approximate ranges listed above are based on photometric measurements of beam candlepower output under ideal conditions. Many factors such as atmospheric conditions, size and color of target, background, etc., may reduce effective range considerably; therefore, these figures are offered only for use as a guide for comparison between different bulb and voltage options.

## SPARE PARTS FOR SOLAR-RAY® SEARCHLIGHTS

<u>Searchlight Size</u>	<u>Reflector Only</u>	<u>Reflector Clips (Set of 4)</u>	<u>Pinion Gear</u>
10"	890 001	910	905
12"	890 002	910	905
14"	890 003	910	905
19"	890 004	911	905



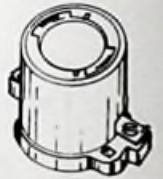
S.C. Bayonet Socket  
Stock No. 472 021



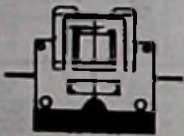
Medium Screw Socket  
Stock No. 894



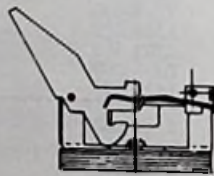
Medium Prefocus Socket  
Stock No. 895



Mogul Prefocus Socket  
Stock No. 893



2-Pin Prefocus Socket\*  
Stock No. 899



2-Pin Prefocus Socket\*\*  
Stock No. 866



Mogul Screw Socket  
Stock No. 897

\*For 10", 12", and 14" Sizes except for 900 Watt Bulb.  
\*\*For 12", 14", and 19" Sizes for Use With 900 Watt Bulb.



# PERKO®

**VENTILATORS**

**BLOWERS**

**WINDOWS**

**BELLS**





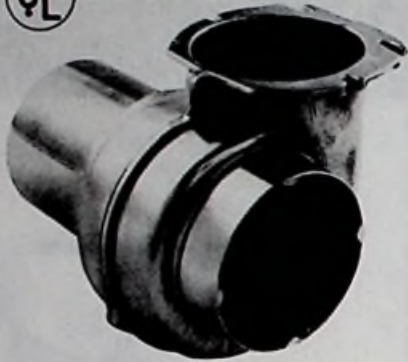


Fig. 778

**MARINE EXHAUST BLOWERS—Fig. 778 & 791**

Designed to meet the requirements of U.S.C.G. Safety Standards—Ignition protected—12 VOLTS

18-8 Non-Magnetic Stainless Steel Shaft - Heavy Duty Motor Rated for continuous Duty Operation - White Delrin Impeller

For removing fumes from bilge, engine room and exhausting excess heat or cooking odors from the galley.

Fig. 791 has an additional housing covering the motor, a neoprene shaft seal and waterproof gland for additional protection.

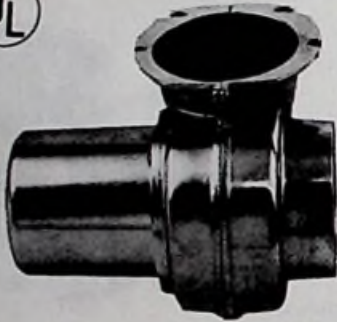


Fig. 791

**Size No. 1 — Zinc Housing, Satin Chrome Plated. No Clamps necessary, Duct Threads into Inlet Fitting.**

**Size No. 2 — Cast Aluminum Housing, Natural Finish.**

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Flange Inches	Maximum Rated C.F.M.	Weight Pounds
1	3	3	7½ x 6 x 5	4 x 3½	117	3½
2	4	3¾	8½ x 8 x 7	4¾ x 4¾	230	6½



Fig. 789

**EXHAUST DUCT — Fig. 789**

Vinyl — with high tensile spring wire coil non-flammable.

Supplied only in 25 foot lengths, 2 lengths per carton. Shipped only in full cartons.

No.	Inside Diameter Inches	Weight Per Carton Pounds
2	3	12
3	3½	12
4	4	13

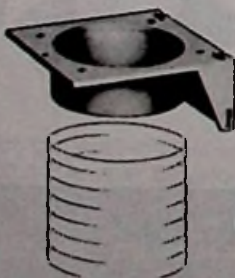


Fig. 787

**MOUNTING ADAPTER**

**FOR EXHAUST DUCT — Fig. 787**

Satin Chrome Plated Zinc — For 3" Duct.

For outlet end of duct or to support free end of duct. Can be fastened through the base or through the side.

Dimensions Inches	Standard Package	O.E.M. Package	Weight Ounces
3¾ x 3½ x 1¼	1	25	14



**CHROMALEX® COWL VENTILATOR — Fig. 1312**

**Chrome Plated Zinc Cowl  
Black Plastic Base - For 3 Inch Duct**

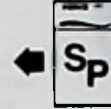
Hose Clamps Not Required — Duct Threads into Neck.

Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Height Overall Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
7	5¼	4¾	2½	8	1	50	11

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.



Fig. 1312



**COWL VENTILATORS — Figs. 654 & 870**

**Chrome Plated—For 3 Inch Duct**  
Fig. 654, Cowl is Cast Bronze, Base is Zinc  
Fig. 870, is Zinc.

Hose Clamps Not Required. Duct Threads into Neck.

Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Height Overall Inches	Screw Size	Nominal Weight Ounces
7	5¼	4	2¾	10	25



Fig. 654 Bronze  
Fig. 870 Zinc

**CLAM SHELL VENTILATORS — Fig. 315**

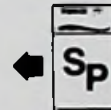
**Chrome Plated Brass**

No.	Base Dimensions Inches	Height Opening Inches	Width Opening Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	1½x1½	7/16	7/8	4	10	100	½
2	2x2	9/16	1½	6	10	100	1¼

FIG. 315 NO. 2 AVAILABLE IN SKIN PACK, SEE SECTION L.



Fig. 315



**CLAM SHELL VENTILATOR — Fig. 339**

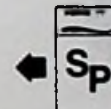
**Chrome Plated Brass**

Base Dimensions Inches	Height Opening Inches	Width Opening Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
4 x 3¾	1½	2½	6	5	25	5

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.



Fig. 339



**COWL VENTILATORS — Fig. 510**

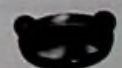
**White Painted Steel — Polished Brass or Chrome Plated Brass**  
**Cast Bronze Deck Plate**

Internal thumb screw allows cowl to be locked in any position.

Steel ventilators are painted white inside and out. Polished brass and chrome plated ventilators are painted white inside only.

Deck Plate Size Inches	Diam. Mouth Inches	Height Overall Inches	Screw Size	Weight Pounds
4	8	11	10	4
5	10	13	10	6

Fig. 510



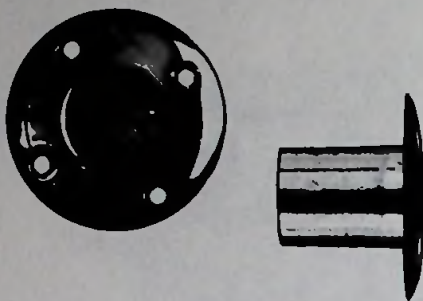


Fig. 505

## GAS TANK VENT — Fig. 505

**Chrome Plated Pressure Cast Bronze**  
**With Removable Brass Wire 30 Mesh Flame Arrester.**

Designed to meet the requirements of the National Fire Protection Assn. Booklet No. 302 Section No. 323 on vent pipe outlets.

The 1/2" N.P.T. is off center to create a water baffle.

Diameter Flange Inches	O.D. Neck Inches	Length Neck Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2 1/2	1 1/16	1 1/2	8	5	25	6 1/2

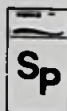


Fig. 506

## GAS TANK VENT — Fig. 506

**Chrome Plated Zinc**  
**With Removable Monel Wire 30 Mesh Screening**

No.	Hose Size Inches	Max. Wood Thickness Inches	Standard Package	O.E.M. Package	Weight Ounces
4	3/8	3/4	10	50	2



THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.



Fig. 509

## GAS TANK VENTS—Fig. 509

**Chrome Plated Pressure Cast Bronze**  
**With Removable Monel Wire 30 Mesh Screening**

No.	Hose Size Inches	Max. Wood Thickness Inches	Standard Package	O.E.M. Package	Weight Ounces
4	3/8	3/4	10	50	4
5	3/4	3/8	10	50	6

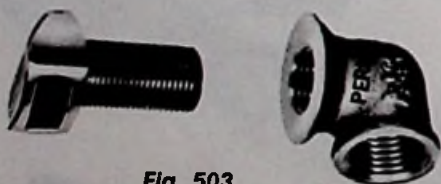


Fig. 503

## GAS TANK VENTS — Fig. 503

**Chrome Plated Pressure Cast Bronze**  
**With Removable Monel Wire 30 Mesh Screening**

No.	Elbow Pipe Size Inches	Max. Wood Thickness Inches	Standard Package	O.E.M. Package	Weight Ounces
3	3/8x3/8	3/8	5	50	5 1/2
4	1/2x1/2	3/8	5	50	6



Fig. 515

## GAS TANK VENTS — Fig. 515

**Chrome Plated Pressure Cast Bronze**  
**With Removable Monel Wire 30 Mesh Screening**

No.	Pipe Size Inches	Max. Wood Thickness Inches	Standard Package	O.E.M. Package	Weight Ounces
3	3/8	3/8	10	50	3 3/4
4	1/2	3/8	10	50	5 1/4

All above vents are designed to meet the requirements of USCG Safety Standards January 31, 1977 for gasoline fuel systems.



**LOCKER VENTILATORS — Fig. 330**

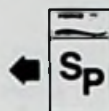
**Chrome Plated Brass**

No.	Diameter Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	2½	6 R.H.	10	100	1
2	3¼	6 R.H.	10	100	2



Fig. 330

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.



**TRANSOM OR LOCKER VENTILATOR — Fig. 550**

**Polished Stainless Steel**

Dimensions Inches	Screw Size	Standard Package	Weight Ounces
7 x 2½	8	10	3



Fig. 550

**TRANSOM OR LOCKER VENTILATOR — Fig. 1271**

**Chrome Plated Zinc  
With Grill Type Screen**

Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
6 x 2	8	10	25	3

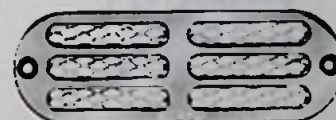


Fig. 1271

**TRANSOM OR LOCKER VENTILATOR — Fig. 1238**

**Chrome Plated Zinc  
With Grill Type Screen**

Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
8¾ x 2¼	8	10	50	3

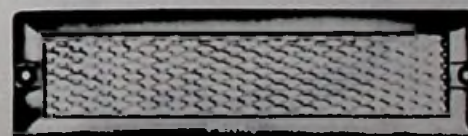


Fig. 1238

# FG-6



#2



#4

Fig. 334



#6

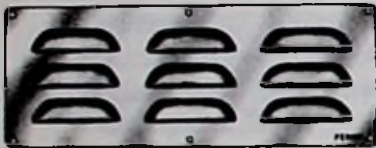


#3



#6

Fig. 335



#9

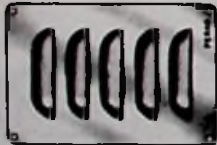


#4



#6

Fig. 336



#5



Fig. 441

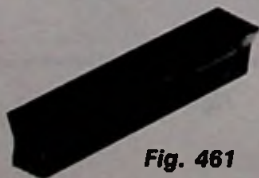


Fig. 461

## LOUVER VENTILATORS — Fig. 334

### Polished Stainless Steel

No.	Size Inches	Length Louvers Inches	Screw Size	Standard Package	Weight Ounces
2	3 x 2½	2	4 R.H.	10	1
2-A	4 x 2½	3	4 R.H.	10	1½
4	5½ x 2½	2	4 R.H.	10	2
4-A	7½ x 2½	3	4 R.H.	10	2½
6	8 x 2½	2	4 R.H.	10	3
6-A	11 x 2½	3	4 R.H.	10	4

## LOUVER VENTILATORS — Fig. 335

### Chrome Plated Brass

No.	Size Inches	Length Louvers Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3	3 x 3	2	4 R.H.	10	25	1½
3-A	4 x 3½	3	4 R.H.	10	25	2
6	5½ x 3	2	4 R.H.	10	—	2½
6-A	7½ x 3½	3	4 R.H.	10	—	3¼
9	8 x 3	2	4 R.H.	10	25	3½
9-A	11 x 3½	3	4 R.H.	10	—	4

## LOUVER VENTILATORS — Fig. 336

### Chrome Plated Brass

No.	Size Inches	Length Louvers Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
4	3¾ x 3	2	4 R.H.	10	25	1¾
4-A	4¾ x 4	3	4 R.H.	10	25	2
5	4½ x 3	2	4 R.H.	10	—	2
5-A	5¾ x 4	3	4 R.H.	10	25	2¼
6	5¼ x 3	2	4 R.H.	10	25	2½
6-A	6¾ x 4	3	4 R.H.	10	25	3

## PORTLIGHT CHAIN — Fig. 441

### Stainless Steel Chain — Chrome Plated Fittings.

Length Inches	Length Strap Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
7	1¾	8	5	50	2

## RUBBER FOR PORTLIGHTS AND WINDOWS — Fig. 461

Size  
¼" x ¾" x ½"

Supplied only in 10 foot lengths.



**MARINE WINDOWS WITH SPIGOT — Fig. 796**

Cast Bronze or Aluminum — Plain Finish  
 Watertight — Two Dog Bolts — Clear Glass

Screen and Finishing Frame Not Included  
 See Figs. 812, 813 and 814.

Length of spigot is 2 inches. Glass thickness is 1/4 inch.

No.	Size of Opening Inches	Dimensions Outside of Flange Inches	Dimensions Outside of Spigot Inches	Screw Size	Bronze Weight Pounds	Alum. Weight Pounds
1	5x12	7 $\frac{1}{8}$ x 14 $\frac{1}{8}$	5 $\frac{3}{8}$ x 12 $\frac{7}{16}$	10	13	5
2	7x16	10 $\frac{1}{8}$ x 19 $\frac{1}{4}$	7 $\frac{1}{2}$ x 16 $\frac{1}{2}$	10	21	7 $\frac{1}{2}$



Fig. 796

**MARINE WINDOWS WITHOUT SPIGOT — Fig. 803**

Cast Bronze or Aluminum — Plain Finish  
 Watertight — Two Dog Bolts — Clear Glass

Screen and Finishing Frame Not Included  
 See Figs. 812, 813 and 814

No.	Size of Opening Inches	Dimensions Outside of Flange Inches	Screw Size	Bronze Weight Pounds	Alum. Weight Pounds
1	5x12	7 $\frac{1}{8}$ x 14 $\frac{1}{8}$	10	10 $\frac{1}{2}$	4 $\frac{1}{4}$
2	7x16	10 $\frac{1}{8}$ x 19 $\frac{1}{4}$	10	16	6 $\frac{1}{2}$

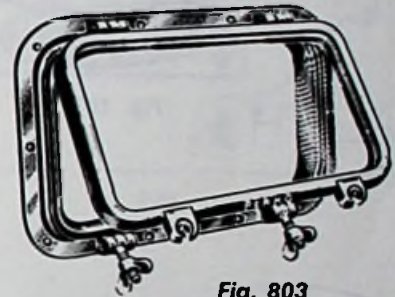


Fig. 803

**OUTSIDE FINISHING FRAMES — Fig. 812**

Cast Bronze or Aluminum — Plain Finish

For Figs. 796 or 803

Countersunk Screw Holes not in Line With Mounting Holes of Window Frame.

These Fit Over the Outside of the Spigot on Fig. 796.

No.	Inside Dimensions Inches	Outside Dimensions Inches	Screw Size	Bronze Weight Pounds	Alum. Weight Pounds
1	5 $\frac{1}{2}$ x 12 $\frac{1}{2}$	7 $\frac{1}{8}$ x 14 $\frac{1}{4}$	10	1 $\frac{1}{2}$	$\frac{1}{2}$
2	7 $\frac{1}{8}$ x 16 $\frac{1}{2}$	9 $\frac{1}{4}$ x 18 $\frac{1}{4}$	10	2 $\frac{1}{4}$	$\frac{3}{8}$



Fig. 812

**OUTSIDE BOLT-THRU FRAMES — Fig. 813**

Cast Bronze or Aluminum — Plain Finish

For Figs. 796 or 803

Bolt Holes in Line With Mounting Holes of Window Frame.

These Fit Over the Outside of the Spigot on Fig. 796.

No.	Inside Dimensions Inches	Outside Dimensions Inches	Screw Size	Bronze Weight Pounds	Alum. Weight Pounds
1	5 $\frac{1}{2}$ x 12 $\frac{1}{2}$	7 $\frac{3}{4}$ x 14 $\frac{3}{4}$	10 R.H.	2 $\frac{1}{4}$	$\frac{3}{4}$
2	7 $\frac{1}{2}$ x 16 $\frac{1}{2}$	10 $\frac{1}{8}$ x 19 $\frac{1}{2}$	10 R.H.	3 $\frac{1}{2}$	1



Fig. 813

# FG-8



Fig. 317

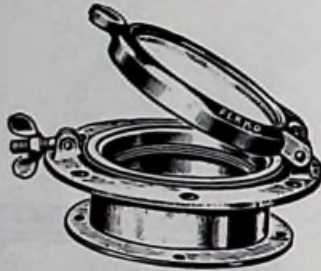


Fig. 157



Fig. 838



Fig. 442

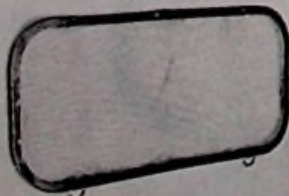


Fig. 814

## ROUND PORTLIGHTS — Fig. 317

Cast Bronze — Glass Area Is Same Diameter as Opening  
All Sizes Are Grooved For Fig. 442 Screens (not included)

Diam. Opening Inches	Outside Diam. Flange Inches	Thickness Glass Inches	O.D. Spigot Inches	Screw Size	Weight Pounds
4	7	1/4	4 3/8	10	3 3/4
5	8	1/4	5 7/16	10	5
6	9	1/4	6 3/8	10	6 1/2
*8	11 1/2	1/4	8 1/2	12	10 1/4

\*8" size has two dog bolts.

Length of Spigot for All Sizes is 3/8"

## MORE-AIR PORTLIGHTS — Fig. 157

Cast Bronze — Complete With Outside Finishing Frame —  
Glass Area Is Same Diameter As Opening — All Sizes Are  
Grooved For Fig. 442 Screens (not included)

Overall Length of Spigot without Frame is 1-3/4"

Length of Spigot Between Flange and Frame is 1-1/2"

Diam. Opening Inches	Outside Diam. Flange Inches	Thickness Glass Inches	O.D. Spigot Inches	Screw Size	Weight Pounds
4	7	1/4	4 3/8	10	4 3/4
5	8	1/4	5 7/16	10	7 1/4
6	9	1/4	6 3/8	10	8 1/2
8	11 1/2	1/4	8 1/2	12	12 3/4

## DECK LIGHTS — Fig. 838

Cast Bronze — Plain Bronze or Chrome Plated Bronze —  
Clear Glass

Diam. Glass Inches	Outside Diam. Flange Inches	Thickness Glass Inches	O.D. Spigot Inches	Length Spigot Inches	Screw Size	Weight Pounds
4	6	1/4	4 7/8	1 1/16	10	1 3/4
6	8 1/4	1/4	6 7/8	5/8	10	2 3/4
*8	11	1/4	9 1/8	1 3/16	12	5 1/4

\*8 inch size has Tempered Glass.

## ROUND PORTLIGHT SCREENS — Fig. 442

White Painted Brass — Spring Type

For Figs. 157 & 317 Portlights

Specify Size Required

## SCREENS FOR MARINE WINDOWS — Fig. 814

For Figs. 796 & 803

White Painted Brass

No.	Dimensions Inches	Weight Ounces
1	5 x 12	5
2	7 x 16	7



**COURSE PROTRACTOR — Fig. 706**

**Plastic — Indicates Course and Reverse Course**

A precision instrument that is accurate in detail. Positions, depths etc. are clearly visible through protractor. The arm has various mileage scales used on all coastal and harbor charts. It extends on short end to show reverse course.

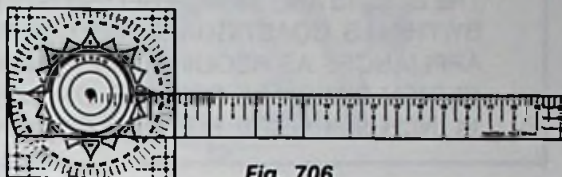


Fig. 706

Extreme Length Inches	Diam. Compass Card Inches
21½	6¾

**LUCITE PARALLEL RULES — Fig. 630**

**Plastic — Aluminum Bars**

Chart data shows clearly through transparent lucite. Heavy type with finger grips and coprene non-sliding discs.

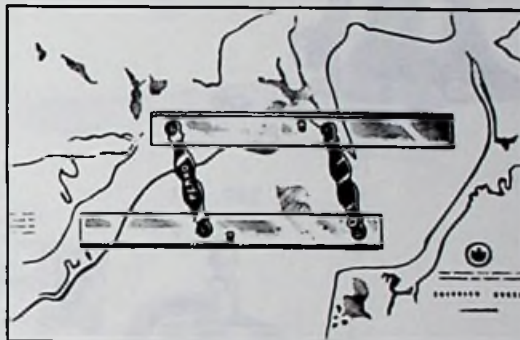


Fig. 630

Length Closed Inches	Width Closed Inches	Thickness Inches	Weight Ounces
12	2½	⅜	6½
15	2½	⅜	7½
18	2½	⅜	8½

**DIVIDERS — Fig. 693**

**Chrome Plated Brass**

No.	Length Inches	Standard Package
1	5½	5
2	7	5

No. 2 size has straightening device and reversible points.



Fig. 693

**YACHT LOG BOOK — Fig. 708**

112 Pages 8-1/4" x 11"

Cover is hard plastic coated with a water resistant washable finish. Navy blue with gold lettering. In addition to pages for log data, these books contain useful information such as extracts from Bowditch Practical Navigator on symbols for weather, state of sea, cloud formations, force of wind, guesst log and marine telephone log.

Standard Package	Weight Ounces
5	20



Fig. 708

THE 8, 10, 12 AND 14 INCH BELLS LISTED ON PAGES FG-10 AND FG-11 HAVE BEEN REVIEWED BY THE U.S. COAST GUARD AND COMPLY WITH C.G. 169 REGULATIONS FOR SOUND SIGNAL APPLIANCES AS REQUIRED BY ANNEX III PARAGRAPH 2 OF THE 72 COLREGS. THE 8 AND 10 INCH SIZES ARE FOR USE ON VESSELS UNDER 20 METERS IN LENGTH. THE 12 AND 14 INCH SIZES ARE FOR USE ON ANY SIZE VESSEL.



Fig. 420

**CAST BRONZE FOG BELLS — Fig. 420**

Polished Bronze or Chrome Plated Bronze.

Medium Weight — Removable

Bottom Diameter Inches	Height Overall Inches	Screw Size	Weight Pounds
6	5	8 F.H.	3¼
8	6¼	8 F.H.	6½



Fig. 150

**CAST BRONZE FOG BELLS — Fig. 150**

Plain Bronze — Polished Bronze — Chrome Plated Bronze

Heavy Weight — Removable

Bottom Diameter Inches	Height Overall Inches	Screw Size	Weight Pounds
8	8	12 F.H.	9
10	10½	12 F.H.	16½
12	12	12 F.H.	31



Fig. 158

**CAST BRONZE FOG BELLS — Fig. 158**

Plain Bronze — Polished Bronze — Chrome Plated Bronze

Heavy Weight — Fixed Mounting

Bottom Diameter Inches	Height Overall Inches	Bolt Size	Weight Pounds
12	12	¼ R.H.	31
14	13	¼ R.H.	35½



Fig. 179

**WROUGHT BRASS FOG BELL — Fig. 179**

Plain Brass

Light Weight — Fixed Mounting

Bottom Diameter Inches	Height Overall Inches	Screw Size	Weight Pounds
12	8	12 R.H.	9



**STAMPED BRASS FOG BELLS — Fig. 159**

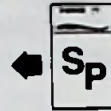
**Plain Brass — Polished Brass — Chrome Plated Brass**  
**Light Weight — Removable**

Bottom Diameter Inches	Height Overall Inches	Screw Size	Weight Pounds
6	4	4 F.H.	1
8	5	4 F.H.	2¼

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.



Fig. 159



**FOG HORN — Fig. 162**

**Aluminum — White Baked Enamel Finish — Nylon Mouthpiece**

Length Inches	Standard Package	Weight Ounces
12½	10	6

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.

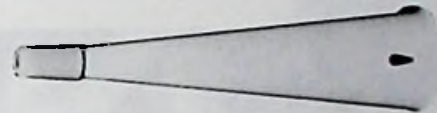
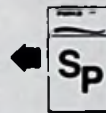


Fig. 162



**TRIPLEX PLASTIC WHISTLE — Fig. 167**

Length Overall Inches	Width Overall Inches	Standard Package	Weight Ounces
6	1¼	10	1

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.

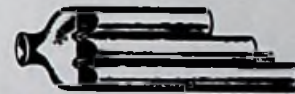
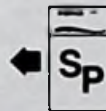


Fig. 167



**"BALL TYPE" WHISTLE — Fig. 349**

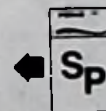
**Orange Plastic**

Length Inches	Width Inches	Standard Package	Weight Ounces
2¼	¾	10	1

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.



Fig. 349



**ASH TRAY — Fig. 795**

**Chrome Plated Brass**  
**Swing Type — Removable**

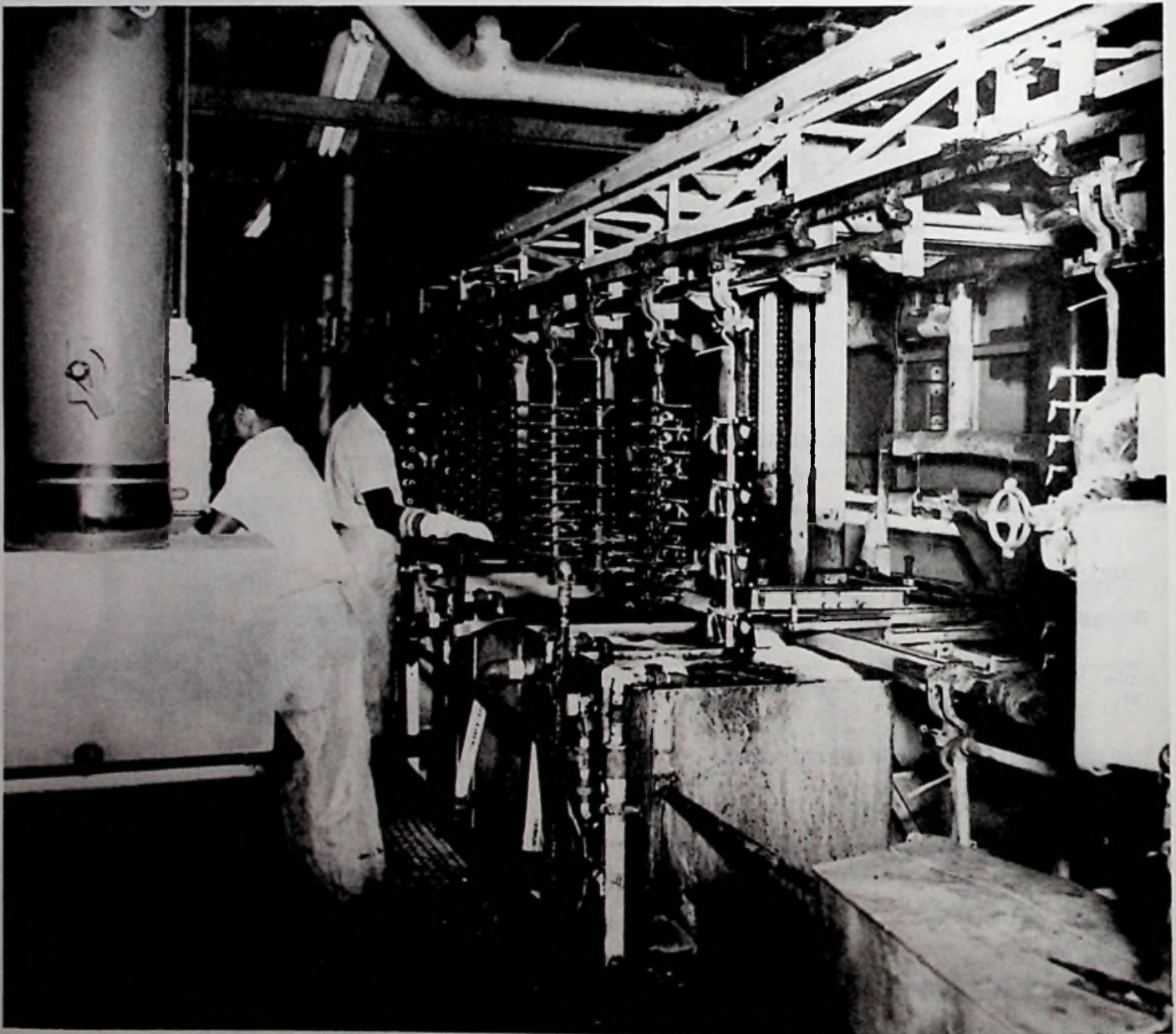
Dimensions Mounting Plate Inches	Overall Height Inches	Screw Size	Weight Ounces
1¼ x 1¼	3	4 F.H.	5¾



Fig. 795

## PLATING OPERATION

Our modern plating plant has been completely rebuilt and redesigned. Its automated controls give assurance of consistent high quality and long lasting protection which make it possible to offer a life time warranty on our well known PERKOPLATE finish.





# SECTION H

# PERKO®

**steering equipment**

**shaft fittings**

**thru-hulls**

**water strainers**

**fuel filters**

**underwater fittings**

**drains**



MANUFACTURED BY PERKO, INC., 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164-0414  
FOR COMPLETE LINE SEE CATALOG NO. 250





**SELF ALIGNING SHAFT LOGS — Fig. 671**

**Cast Bronze**

No.	For Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Weight Pounds
3	3/4	1 1/8 x 3 1/2	18	12	5 1/4
5	1	1 1/8 x 3 1/2	18	12	5 1/4
7	1 1/4	1 6/8 x 4 1/4	23 1/2	10	10 1/4
9	1 1/2	1 9 x 5	28	10	17 1/4

All Bases are spotted for Bolt Holes, but not drilled.

NOTE: 1/4" Flax Packing Fits All Sizes of above Stuffing Boxes



Fig. 671

**STUFFING BOXES — Fig. 672**

**HOSES — Fig. 673**

For Log No.	For Shaft Inches	I.D. Hose Inches	Length Hole Inches
3	3/4	1 1/4	4
4	7/8	1 1/4	4
5	1	1 1/4	4
7	1 1/4	2 3/8	5
9	1 1/2	2 3/8	5

NOTE: 1/4" Flax Packing Fits All Sizes of above Stuffing Boxes



Fig. 672



Fig. 673

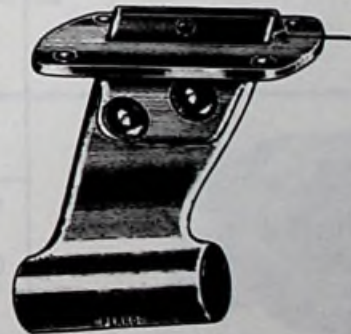
**UNIVERSAL STRUTS — Fig. 1055**

**Manganese Bronze**

**For Rubber Bearings (Not Included)**

These struts can be made any length shorter than standard by sliding the shank up through the base to the required length. The necessary angle for the shaft is also obtained in the same way. Extreme drop to center of shaft is 7 inches.

No.	For Shaft Inches	Size Base Inches	For O.D. Bearing Inches	Length Bearing Inches	Bolt Size	Weight Pounds
5	1	5 3/8 x 3 1/4	1 1/2	4	3/16	7 1/2
7	1 1/4	5 3/8 x 3 3/8	1 3/4	5	3/16	7 1/2



CUT OFF HERE

Fig. 1055

**STAINLESS STEEL MARINE HOSE CLAMPS — Fig. 6400**

**No Rivets — Welded**

Meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.

No.	Size Hose Inches		Clamp Diameter Inches		Box Quantity	Weight Per 100 In Pounds
	From	To	Min.	Max.		
4	1/4	3/8	3/8	1 1/16	10	2
10	3/8	3/8	3/8	1 1/16	10	6
12	3/8	3/4	1 1/16	1 1/4	10	6
16	3/4	1	1 3/16	1 1/2	10	7
20	1	1 1/4	1 3/16	1 3/4	10	7
28	1 1/2	1 3/4	1 5/16	2 1/4	10	8
36	1 3/4	2 1/4	1 7/16	2 3/4	10	9
44	2 1/4	2 3/4	2 3/16	3 1/4	10	9
52	3	3 3/4	2 13/16	3 3/4	10	11
56	3 3/4	3 1/2	3 1/16	4	10	11
64	3 3/4	4	3 3/16	4 1/2	10	12

Note — Above clamps are 1/2 inch wide except Size No. 4 which is 5/16 inch.



Fig. 6400

## PIPE DECK PLATES

### Plain Bronze or Chrome Plated Bronze

Figs. 524 and 528 with Bronze Caps. Figs. 525 and 529 with Black Plastic Caps. All Caps have "O" Ring for water tightness and holes for key which is supplied. 1-1/4" and 1-1/2" sizes have slots between key holes.

Straight Pipe Size Inches	Outside Diameter Plate Inches	Screw Size	Weight Pounds
1	2-7/8	8	5/8
1-1/4	3-5/16	8	7/8
1-1/2	3-5/8	8	1
2	4-1/4	8	1-1/2
2-1/2	4-5/8	10	2
3	5-3/8	10	2-1/2



Fig. 524 — MARKED WASTE\*

Fig. 528 — MARKED WATER  
GAS\*\*  
DIESEL  
UNMARKED



Fig. 525 — MARKED WASTE\*

Fig. 529 — MARKED WATER  
GAS\*\*  
DIESEL  
UNMARKED

STRAIGHT PIPE SIZE	DECK PLATE MARKING	STOCK NUMBERS	
		PLAIN BRONZE	CHROME PLATED
1"	UNMARKED	528 006 PLB	528 006 CHR
1-1/4"	UNMARKED	528 007 PLB	528 007 CHR
	GAS**	528 G07 PLB	528 G07 CHR
	DIESEL	528 D07 PLB	528 D07 CHR
	WATER	528 W07 PLB	528 W07 CHR
1-1/2"	UNMARKED	528 008 PLB	528 008 CHR
	GAS**	528 G08 PLB	528 G08 CHR
	DIESEL	528 D08 PLB	528 D08 CHR
	WATER	528 W08 PLB	528 W08 CHR
	WASTE*	N/A	524 000 CHR
1-1/2" (With Black Plastic Cap)	UNMARKED	529 000 PLB	529 000 CHR
	GAS**	529 G00 PLB	529 G00 CHR
	DIESEL	529 D00 PLB	529 D00 CHR
	WATER	529 W00 PLB	529 W00 CHR
	WASTE*	N/A	525 000 CHR
2"	UNMARKED	528 009 PLB	528 009 CHR
	GAS**	528 G09 PLB	528 G09 CHR
	DIESEL	528 D09 PLB	528 D09 CHR
	WATER	528 W09 PLB	528 W09 CHR
2-1/2"	UNMARKED	528 010 PLB	528 010 CHR
3"	UNMARKED	528 011 PLB	528 011 CHR

\*Complies with adopted standard on "Fittings" A.B.Y.C. recommended practices standards covering sewage holding and/or treatment devices for marine waste systems.

\*\* Meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.



# DECK PLATES FOR HOSE

H-5

Chrome Plated Bronze or Chrome Plated Zinc

Figs. 507 and 520 are Bronze Flange and Cap. Figs. 508 and 521 are Bronze Flange with Black Plastic Cap. Figs. 1269 and 1270 are Zinc Flange with Black Plastic Cap. All Caps have "O" Ring for water tightness, holes for key which is supplied, and slots between key holes. Gas, Diesel, and Water Deck Plates have Cap retaining cord.

Fig. No.	Diameter Flange Inches	Neck Length Below Flange Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
507	3-1/4	3-3/8	8	1	25	8
508	3-1/4	3-3/8	8	1	25	8
520	3-1/4	3-3/8	8	1	25	8
521	3-1/4	3-3/8	8	1	25	8
1269	3-1/2	2-1/2	8	1	25	9
1270	3-1/2	2-1/2	8	1	25	9



Fig. 507 — Marked Waste\*  
Fig. 520 — Marked Water Gas\*\* Diesel



Fig. 508 — Marked Waste\*  
Fig. 521 — Marked Water Gas\*\* Diesel



Fig. 1269 — Marked Waste\*  
Fig. 1270 — Marked Water Gas\*\* Diesel

HOSE SIZE	DECK PLATE MARKING	STOCK NUMBERS	
		CHROME PLATED BRONZE	CHROME PLATED ZINC
1-1/2"	GAS**	520 G00 CHR	N/A
	DIESEL	520 D00 CHR	N/A
	WATER	520 W00 CHR	N/A
	WASTE*	507 000 CHR	N/A
1-1/2" (With Black Plastic Cap)	GAS**	521 G00 CHR	1270 G00 CHR
	DIESEL	521 D00 CHR	1270 D00 CHR
	WATER	521 W00 CHR	1270 W00 CHR
	WASTE*	508 000 CHR	1269 000 CHR

\*Complies with adopted standard on "Fittings" A.B.Y.C. recommended practices standards covering sewage holding and/or treatment devices for marine waste systems.

\*\*Meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.

## GAS TANK CAP — FIG. 1245

Chrome Plated Zinc  
Complete with 7 inch monofilament cord attached to Cap

Threaded for Pipe Inches	Height Overall Inches	Diameter Deck Flange Inches	Screw Size	Standard Package	Weight Ounces
1-1/2	1-1/8	3-1/8	6	5	9-1/2



Fig. 1245

## DECK PLATE KEYS — FIG. 1248

Zinc — Natural Finish

Stock Number	For Deck Plate Size Inches	C to C Of Lugs Inches	Length Overall Inches	Weight Ounces
1248 006 ZNC	1	5/8	3-3/8	2
1248 007 ZNC	1-1/4	1-1/8	3-3/8	2
1248 008 ZNC	1-1/2	1-1/8	3-3/8	2
1248 009 ZNC	2	1-11/16	4-3/8	2-1/2
1248 010 ZNC	2-1/2	2	4-3/8	2-1/2



Fig. 1248

NOTE: Above Keys Fit Figs. 507, 508, 520, 521, 524, 525, 528, 529, 1269 and 1270.

## SAFETY CORD — FOR DECK PLATES — FIG. 537

Length Inches	Standard Package
7	5

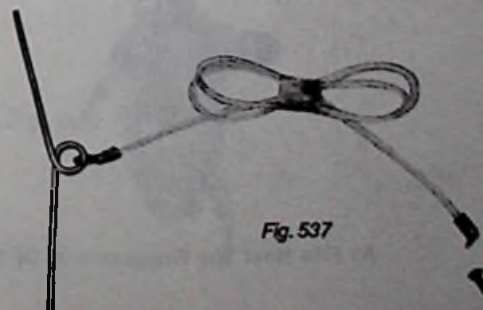


Fig. 537

**CHROMALEX® FILLS**



Chrome Plated Zinc and Black Plastic, Impervious to Gasoline — Complete with Grounding Lug with Screw.

Cap has integral retainer feature and is equipped with gasket to assure water tightness.

**Figs.**  
1313\* — GAS  
1328 — DIESEL  
1329 — WATER

**Figs.**  
1397 — LOCKING DIESEL  
1398 — LOCKING WATER  
1399\* — LOCKING GAS

**1300 SERIES FILLS**

Diameter Overall Inches	Length Hose Neck Inches	For Hose Size Inches	Screw Size	Standard Package	OEM Package	Weight Ounces
3 3/8	1 1/4	1 1/2	6	1	50	6



**1400 SERIES FILLS**

Overall Dimensions Inches	Length Hose Neck Inches	For Hose Inches	Screw Size	Standard Package	OEM Package	Weight Ounces
3 x 3	1 1/4	1 1/2	6	1	50	7

**Fig.**  
1413\* — GAS

**Fig.**  
1499\* — LOCKING GAS

**Fig. 1513 GAS FILL**

Same features as Fig. 1413 except cap is Teak.

\*Figs. 1313, 1399, 1413, 1499 and Fig. 1513 Gas Fills have bead on Neck for Hose Retention.



**Fig.**  
1513 — GAS

**LOCKING GAS CAP — Fig. 1324**

Black Plastic Cap — Built-in Lock — Supplied with 2 Keys — Gasket to Prevent Moisture from Entering Tank.

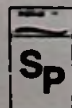
Locking Cap Will Fit all PERKO CHROMALEX® Gas Fills. Figs. 1313, 1413 and 1513



**Fig.**  
1324

Standard** Package	Weight Ounces
5	3

\*\*Keyed Alike



Figs. 1313, 1399 and 1324, available in SKIN PACK, See Section L.



**REGULAR DECK PLATES — Fig. 526**

**Plain Bronze or Chrome Plated Bronze  
With Key**

Size Opening Inches	Outside Diameter Plate Inches	Screw Size	Weight Pounds
3	5 $\frac{3}{8}$	10	2
4	7 $\frac{1}{16}$	10	2 $\frac{1}{4}$
5	8 $\frac{3}{8}$	10	4 $\frac{3}{4}$
6	9 $\frac{3}{8}$	$\frac{1}{4}$ "	6 $\frac{1}{2}$
8"	10 $\frac{1}{4}$	$\frac{1}{4}$ "	7

\*Size 8 not available in Chrome Finish



Fig. 526

**DECK PLATE KEY — Fig. 826**

**Chrome Plated Zinc**

Heavy Duty — Will fit sizes up to 8 inch diameter.

Length Overall Inches	Standard Package	Weight Ounces
8 $\frac{1}{2}$	5	9 $\frac{1}{2}$

THIS ITEM AVAILABLE IN SKIN PACK, SEE SECTION L.

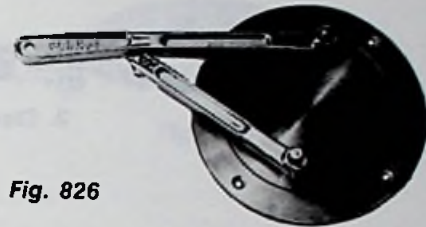
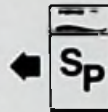


Fig. 826



**CHOKE CONTROL HANDLE — Fig. 692**

**Chrome Plated Brass.**

For Casing With Left Hand Lay

Has An Adjustable Friction Device to Hold Setting.  
Casing threads into tube, wire held by set screw in knob.  
For use on a dash or bulkhead up to 2 inches thick.

Length Inches	Diameter Stem Inches	Standard Package	Weight Ounces
4 $\frac{1}{8}$	$\frac{3}{8}$	5	2



Fig. 692

**BOWDEN WIRE AND CASING — Fig. 353**

**Brass — Left Hand Lay**

OD Casing Inches	Diameter Wire Inches
$\frac{1}{4}$ "	.072

50 FOOT LENGTHS ONLY

- No. 1 ..... Casing only
- No. 2 ..... Wire only



Fig. 353

**CONTROL WIRE SOCKET — Fig. 679**

**Brass**

Length Inches	Diameter Inches	Between Jaws Inches	Length Jaws Inches	Standard Package	Weight Ounces
1	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{1}{2}$	10	$\frac{1}{2}$

Length jaw measured to center of screw.

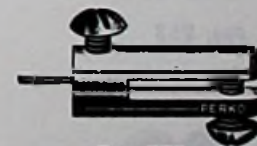


Fig. 679

**BOWDEN CASING CLAMP — Fig. 352**

**Brass — Swivel Type**

Size Base Inches	Screw Size	Standard Package	Weight Ounces
2 $\frac{1}{4}$ x 1	10	6	3

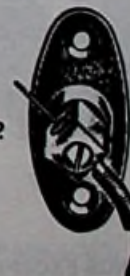


Fig. 352

## STEERER AND CONTROL PARTS — Fig. 865

### Cast Bronze



1. Lever

Fig. 865



2. Clevis

No.	Item	Length Overall Inches	Length C to C Inches	Weight Pounds
1	Lever	8	6	1¼
1-A	Lever	10	6¾*	2½
1-C	Lever	10	6¾*	2¼
2	Clevis	2½		½
2-A	Clevis	2½		½
2-B	Clevis	4¼		¾

No.	For Shaft Inches	For Pin Inches	For Bolt Inches	Tapped For Rod Inches	Tapped For Pipe Inches	Inside Jaw Inches
1	1	½				
1-A	1	½				
1-C	1¼	½				
2			½	¾		½
2-A			½		½	½
2-B			½		¾	¾

\*Nos. 1-A, 1-C have 3 Pin Holes.

## ELECTROLYSIS COLLARS — Fig. 252

### FOR SHAFT

#### Die Cast Zinc

Sizes No. 3 thru 7 have 2 bolts, larger sizes 4 bolts.



Fig. 252

No.	For Shaft Inches	Length Overall Inches	Standard Package	Bulk Package	Weight Pounds
3	¾	2	10	25	¾
4	⅞	2	10	25	¾
5	1	2¼	10	50	1½
6	1½	2¼	10	50	1½
7	1¼	2¼	10	50	1½
8	1½	2¾	10	50	1¾
9	1½	2¾	10	50	1¾
10	1¾	2¾	5	25	2½
11	2	2¾	5	25	2½

## ELECTROLYSIS COLLARS — Fig. 253

### FOR SHAFT

#### Die Cast Zinc — Heavy Duty



Fig. 253

No.	For Shaft Inches	Length Overall Inches	Diameter Overall Inches	Weight Pounds
11	2	1½	3¾	1½
12	2¼	1½	3¾	1½
13	2½	1½	5	3½
14	3	1½	5	3
15	3½	1½	6	6
16	4	1½	6	5

## ELECTROLYSIS ELIMINATORS — Fig. 407

### FOR RUDDERS

#### Die Cast Zinc



Fig. 407

No.	Diameter Inches	Length Bolt Inches	Standard Package	Bulk Package	Weight Complete Pounds
2	2¼	2	10	50	1
2-A	3¾	2	5	25	1¼
3	5	2	5	25	3

ABOVE ZINCS EXCEPT FIG. 253 IN STANDARD OR BULK PACKAGES ONLY. NO BROKEN PACKAGES.



**ELECTROLYSIS ELIMINATORS — Fig. 244**

**Die Cast Zinc**

No.	Length Inches	Width Inches	Screw Size	Standard Package	Bulk Package	Weight Ounces
1	3½	1¾	12	10	100	6½
2	5¼	2½	12	10	50	20

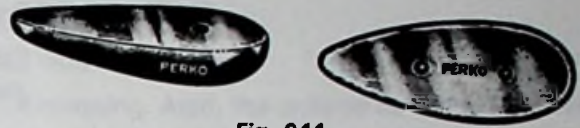


Fig. 244

**ELECTROLYSIS ELIMINATOR — Fig. 247**

**Die Cast Zinc**

Length Inches	Width Inches	Bolt Size	Standard Package	Bulk Package	Weight Ounces
4¾	2	¼"	10	50	14



Fig. 247

**ELECTROLYSIS ELIMINATOR — Fig. 241**

**Die Cast Zinc**

Length Inches	Width Inches	Thickness Inches	Bolt Size	Standard Package	Bulk Package	Weight Pounds
9¼	3¾	¾	¼"	5	25	3¼



Fig. 241

**ELECTROLYSIS ELIMINATOR — Fig. 345**

**Die Cast Zinc**

Length Inches	Width Inches	Thickness Inches	Screw Size	Standard Package	Bulk Package	Weight Pounds
6¼	2¾	¾	10	5	25	2¼



Fig. 345

**ELECTROLYSIS ELIMINATORS — Fig. 254 FOR ENGINES**

**Die Cast Zinc With Forged Bronze Plug**

No.	Plug N.P.T. Inches	Zinc Dimensions Inches	Standard Package	Weight Ounces
3	¾	¾ x 1¾	5	2
4	½	¾ x 2	5	4½
5	¾	¾ x 2	5	7
5A	¾	¾ x 3¼	5	8½

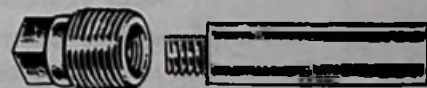


Fig. 254

ABOVE ZINCS IN STANDARD OR BULK PACKAGES ONLY. NO BROKEN PACKAGES.

**FUEL FILTER AND SEPARATOR**

**FIG. 299**

**Cast Bronze — With "Microbon" Filter Element  
Adjustable Mounting Bracket — Drain Plug — Viton "O" Ring Gasket.  
For Gasoline — Diesel Fuel — Lubricating Oil — Air — Water**

**Complies With U.S.C.G. Standards For Fuel Filters And Strainers.\***

These units are designed to separate water from gasoline or diesel fuel. The filter element is a 40 micron "microbon" ribbon type made of cellulose and impregnated with phenolic resin. It has a high rate of flow sufficient to feed high horsepower diesel and gasoline engines. Easily cleaned by reverse flow or back flushing with compressed air.



**Fig. 299**



No.	Length Overall Inches	Diameter Inches	Pipe Size Inches	Screw Size	Weight Pounds
1	5½	2¾	¾	9	3¾
2	6¼	3¾	½	10	5½

**No. 1 Element is 1-3/4" O.D. x 1-3/4 long.**

**No. 2 Element is 2-1/4" O.D. x 2" long.**

**KEEP IT CLEAN WITH AN APPROVED FILTER**

There are three classifications for fuel cleaning devices:

**Filters**, which remove particles of microscopic size (40 microns or less)

**Strainers**, which remove larger particles (More than 40 but less than 150 microns)

**Separators**, which effectively remove water from the fuel.

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\*U.S. Coast Guard Safety Standards For Gasoline Fuel Systems, January 31, 1977.



## INTAKE WATER STRAINERS

FIGS. 493 AND 500

**Perko water strainers are designed for easier installation and cleaning. Also, the outside tie rod safety feature reduces electrolysis problems often encountered with designs using internal tie rods.**

Cast Bronze Cover With Gasket.  
Hinged Lugs allow Quick Removal And Cleaning Of Strainer.



Basket Strainer Type 304, Stainless Steel, Non Magnetic, Non Corrosive. Removable Through The Top For Cleaning.



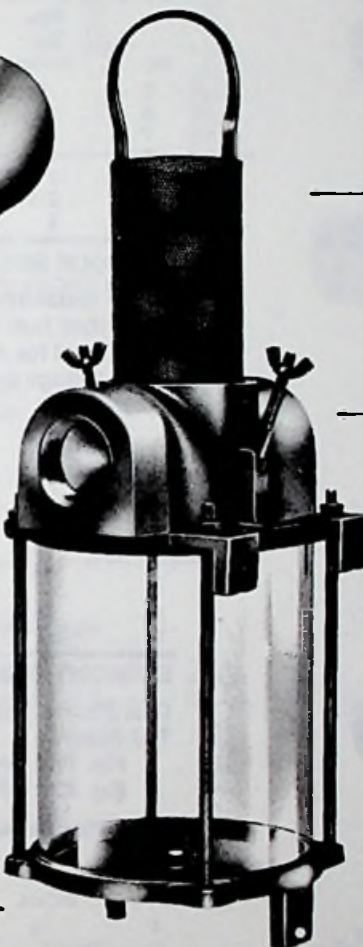
Cast Bronze Top. Integral Mounting Lugs on Both Sides For Universal Mounting.

4 Brass Outside Tie Rods

Transparent Moulded High Impact Plastic Cylinder

Cast Bronze Bottom

Bronze Drain Plug.



**Fig. 493 — STANDARD TYPE**

No.	Pipe Size Inches	Open Area To Pipe Size Ratio	Size Cylinder Inches	Dimensions Basket Strainer Inches	Approx. Height inches	Approx. Width Overall Inches	Approx. Weight Pounds
3	3/8	22:1	2 3/4 x 2 1/2	1 3/16 x 2 3/4	4 1/4	3 3/4	2 1/2
4	1/2	30:1	3 1/2 x 4	1 13/16 x 4 3/8	5 1/4	4 1/2	5
5	3/4	25:1	3 1/2 x 6	1 13/16 x 6 1/4	8 3/8	4 1/2	5
6	1	20:1	4 1/2 x 5 1/2	2 5/8 x 5 5/8	9 1/2	5 1/2	8
7	1 1/4	13:1	4 1/2 x 6	2 5/8 x 6 1/4	10	5 1/2	8
8	1 1/2	17:1	6 x 8	3 3/16 x 8 1/16	11 1/2	7	14
9	2	13:1	6 x 12	3 3/16 x 12 1/4	16	7 1/4	18
10	2 1/2	10:1	6 x 12	3 3/16 x 12 1/4	16	7 1/2	18

**Fig. 500 — HEAVY DUTY TYPE**

**High Capacity For Diesels And Large Gasoline Engines**

9	2	20:1	8 x 10	3 3/8 x 10 1/4	14 1/2	9	34
10	2 1/2	18:1	8 x 12	3 3/8 x 12 1/4	16 1/2	9	34
11	3	14:1	8 x 14	3 3/8 x 14 1/4	18 1/2	9	34

## SEACOCKS — Figs. 834 & 835

Cast Bronze with Thru-Hull and Tail Piece  
Complete with Drain Plugs, 4 Pre-Drilled Mounting Holes and Bonding Screw

Fig. 834 with 90 degree curved tail piece.

Fig. 835 with straight tail piece.

These units are of a ball valve design with Plastic ball to reduce wear and costly time consuming maintenance. They are equipped with stepped seats for smooth operation, quick and positive opening or closing and to assure a tight seal. Handles are removable.



Fig. 834



Fig. 835



Fig. 805



## SEACOCK BODYS — Fig. 805

Some installations may require extra long, scoop type or flush thru hull connections. Therefore we offer the valve body used for Figs. 834 and 835. You may select from our many fittings on pages H-13 and H-14 to fit your individual needs.

No.	Pipe Size Inches	Weight Pounds
5	3/4	2 1/2
6	1	4
7	1 1/4	6
8	1 1/2	8
9	2	16
10	2 1/2	19
11	3	24

## ECONOMY SEACOCKS — Figs. 821 & 823

Cast Bronze With Drain Plug, Bonding Screw, Thru Hull and Tail Piece.

Fig. 821 with straight tail piece.

Fig. 823 with 90 degree curved tail piece.

Ball valve for smooth operation.

No.	Pipe Size Inches	Hose Size Inches	Weight Pounds
4	1/2	3/8	7/8
5	3/4	3/4	1 1/2
6	1	1	2 1/2
7	1 1/4	1 1/4	4
8	1 1/2	1 1/2	5 1/4

Fig. 823 No. 4 Not Available

## ECONOMY SEACOCK BODYS — Fig. 825

Cast Bronze with Drain Plug — Bonding Screw

Ball Valve for smooth operation.

No.	Pipe Size Inches	Weight Pounds
4	1/2	3/4
5	3/4	1
6	1	1 1/2
7	1 1/4	2 1/4
8	1 1/2	3 1/4

## INTAKE STRAINERS — Fig. 65

Cast Bronze

No.	Pipe Size Inches	Length Neck Inches	Dimensions Strainer Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
4	1/2	2 1/2	3 x 4	7	1	10	3/4
5	3/4	2 1/2	3 x 4	7	1	10	7/8
6	1	3	3 x 4	7	1	10	1 1/8
7	1 1/4	3 1/2	3 1/4 x 4 1/4	7	1	10	1 3/4



Fig. 821



Fig. 823



Fig. 825



Fig. 65





**THRU-HULL CONNECTIONS — Fig. 322**

**Cast Bronze**

Back Side of Flange is Machined to Fit Hull and is Grooved to Retain Bedding Compound. Neck is Threaded to Approximately 1/8 Inch From Flange.

No.	Pipe Size Inches	Length Neck Inches	Diameter Flange Inches	For Strainer Fig. 86 No.	Standard Package	O.E.M. Package	Weight Pounds
3	3/8	2 1/4	1 1/2	1	1	25	1/4
4	1/2	2 1/4	1 3/8	1	1	25	3/8
5	3/4	2 1/4	2	2	1	25	1/2
6	1	2 1/2	2 1/4	3	1	25	3/4
7	1 1/4	3	2 3/8	4	1	25	1 1/2
8	1 1/2	3 1/4	3	5	1	10	1 3/4
9	2	3 1/2	3 1/2	5	1	—	2 3/8
10	2 1/2	3 5/8	4 1/2	6	1	—	3 1/4
11	3	4	5	7	1	—	5 1/4

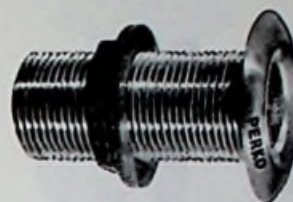


Fig. 322



**EXTRA LONG**

**THRU-HULL CONNECTIONS — Fig. 348**

**Cast Bronze**

Same features as Fig. 322 except neck is threaded to approximately 1 inch from flange.

No.	Pipe Size Inches	Length Neck Inches	Diameter Flange Inches	For Strainer Fig. 86 No.	Standard Package	O.E.M. Package	Weight Pounds
5	3/4	5 1/2	2	2	1	25	3/4
6	1	5 1/2	2 1/4	3	1	10	1
7	1 1/4	5 1/2	2 3/8	4	1	10	2
8	1 1/2	5 1/2	3	5	1	10	2 1/4
9	2	5 1/2	3 1/2	5	1	—	3
10	2 1/2	5 1/2	4 1/2	6	1	—	4



Fig. 348



**THRU-HULL CONNECTIONS — Fig. 361**

**Cast Bronze — Removable Strainer — Flush Type**

No.	NPT Size Inches	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Standard Package	O.E.M. Package	Weight Pounds
4	1/2	2 7/16	1/2	2 1/2	1	10	3/4
5	3/4	2 3/4	3/4	2 1/2	1	10	7/8
6	1	3	1	3	1	—	1 1/4
7	1 1/4	3 3/8	1 1/4	3	1	—	1 1/2
8	1 1/2	3 1/2	1 1/2	3 1/4	1	—	1 3/4

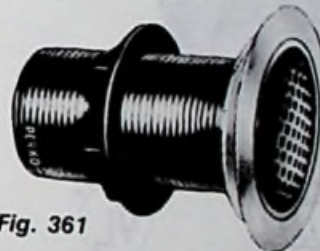


Fig. 361



**PIPE TO HOSE ADAPTERS — Fig. 76**

**Cast Bronze**

No.	Pipe Size Inches	Hose Size Inches	Length Overall Inches	Standard Package	O.E.M. Package	Weight Pounds
4	1/2	3/8	1 1/8	1	50	1/4
5	3/4	3/4	1 1/4	1	50	1/4
6	1	1	1 3/4	1	50	1/4
7	1 1/4	1 1/4	2	1	50	3/8
8	1 1/2	1 1/2	2 1/4	1	25	1/2
9	2	2	2 3/4	1	25	1
10	2 1/2	2 1/2	4	1	—	2 3/8
11	3	3	5 1/4	1	—	3 1/4



Fig. 76



**PIPE TO HOSE ADAPTERS — Fig. 63**

**Cast Bronze — 90 Degrees**

No.	Pipe Size Inches	Hose Size Inches	Length Overall Inches	Standard Package	O.E.M. Package	Weight Pounds
5	3/4	3/4	1 1/4	1	25	1/2
6	1	1	1 3/4	1	25	3/4
7	1 1/4	1 1/4	2	1	25	1 1/4
8	1 1/2	1 1/2	2 1/4	1	10	1 3/8
9	2	2	7	1	—	2 1/2
10	2 1/2	2 1/2	8 1/2	1	—	3 1/2
11	3	3	10	1	—	6



Fig. 63

Figs. 76 and 63 Meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.

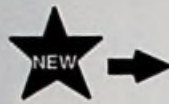
# H-14



Figs. 301 & 328



Fig. 319-8



## THRU-HULL CONNECTIONS — FIGS. 301 & 328

Molded White Plastic — For use with Hose\*

No.	Hose Size Inches	Fig. 301	Fig. 328	Standard Package	Bulk Package	Weight Ounces
		Diameter Flange Inches	Diameter Flange Inches			
4	1/2	1-1/4	1-1/2	10	100	1
4A	5/8	1-1/4	1-1/2	10	100	1
5	3/4	1-1/2	2-1/16	10	100	1-1/2
6	1	1-7/8	2-1/4	5	50	2
6A	1-1/8	1-7/8	2-1/4	5	50	2
8	1-1/2	2-1/2	3	5	50	4

## EXTRA-LONG THRU-HULL CONNECTION — FIG. 319-8

Molded White Plastic — For use with Hose\*

Hose Size Inches	Maximum		Standard Package	Bulk Package	Weight Ounces
	Hull Thickness Inches	Diameter Flange Inches			
1-1/2	2-1/8	2-7/8	5	50	4

## THRU-HULL CONNECTIONS — FIG. 350

Plain Bronze or Chrome Plated Bronze — For use with Hose\* — Back Side of Flange is Machined to Fit Hull and is Grooved to Retain Bedding Compound.

No.	Hose Size Inches	Diameter Flange Inches	Maximum	Weight Pounds
			Hull Thickness Inches	
4	5/8	1-5/8	1-1/4	3/8
5	3/4	2	1-5/8	1/2
6	1	2-3/8	1-7/8	7/8
7	1-1/4	3	2	1-3/8
8	1-1/2	3-1/8	2	1-1/2

## THRU-HULL CONNECTION — FIG. 311

Chrome Plated Bronze — For use with Hose\*

Hose Size Inches	Inside Diameter Inches	Length Overall Inches	Diameter Flange Inches	Screw Size	Weight Ounces

## SCOOP STRAINERS — FIG. 66

Cast Bronze

No.	Outside Dimension Inches	For Thru-Hull Size Inches	Screw Size	Standard Package	Weight Pounds
2	5 X 3-1/4	1	8	5	3/4
3	6-1/4 X 4-1/4	1-1/4	8	5	1
4	8 X 5-1/8	2	8	5	2

## ROUND STRAINERS — FIG. 86

Cast Bronze

No.	Outside Diameter Inches	Inside Diameter Inches	For Thru-Hull Size Inches	Screw Size	Standard Package	Weight Pounds
2	3	2	3/4	8	5	1/4
3	3-1/2	2-3/8	1	8	5	1/3
4	4	3	1-1/4	8	5	1/3
5	5	3-3/4	2	8	5	3/4
6	6	4-1/2	2-1/2	10	1	1
7	8	6-1/4	3	10	1	2-1/4

\* Thru-Hull Connections For Use With Hose Are Not Recommended For Use Below The Waterline Per ABYC "Safety Standards For Small Craft" Section H-27.3.

Fig. 86



Fig. 66

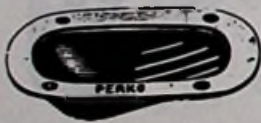


Fig. 350

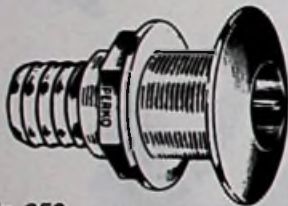
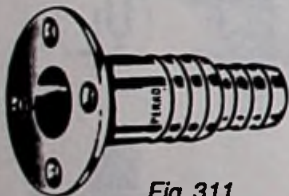


Fig. 311





**THRU-HULL SCUPPER — FIG. 323**



**Molded White Plastic — Black Vinyl Flapper Valve**

Complete with nut and mounting hardware for mounting through the transom.

Hose Size Inches	Maximum Hull Thickness Inches	Diameter Flange Inches	Standard Package	O.E.M. Package	Weight Ounces
1-1/2	2-1/8	2-7/8	5	50	5



Fig. 323

**THRU-HULL SCUPPER — FIG. 356**



**Molded White Plastic — Black Vinyl Flapper Valve**

Same as Fig. 323 except without nut and mounting hardware. Neck length can be cut to match mounting surface thickness as used on onboard wells, etc.

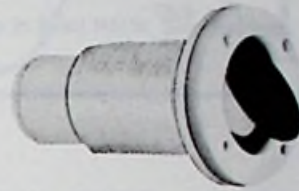


Fig. 356

**SCUPPER VALVE ASSEMBLY — FIG. 365**



**Molded White Plastic — Black Vinyl Flapper Valve**

Without Thru-Hull and Mounting hardware. Used for surface mount applications.

Diameter Flange Inches	Standard Package	O.E.M. Package	Weight Ounces
2-7/8	5	50	1



Fig. 365

**SCUPPER — FIG. 285**

**Molded White Plastic**

Insert prevents large objects from entering without restricting water flow.

Hose Size Inches	Diameter Flange Inches	Diameter Opening Inches	Standard Package	O.E.M. Package	Weight Ounces
1-1/2	2-3/4	1-1/2	5	50	5



Fig. 285

**SCUPPERS — FIG. 142**

**Plain Bronze or Chrome Plated Bronze — With Rubber Ball Back Water Check**

For use when outlet is below the waterline. Supplied with key-Angle of outlet is 45 degrees.

No.	Hose Size Inches	Diameter Flange Inches	Diameter Grate Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
1	1	3-1/4	1-13/16	8	1	10	1-1/4
2	1-1/2	3-3/4	2-1/4	8	1	10	2

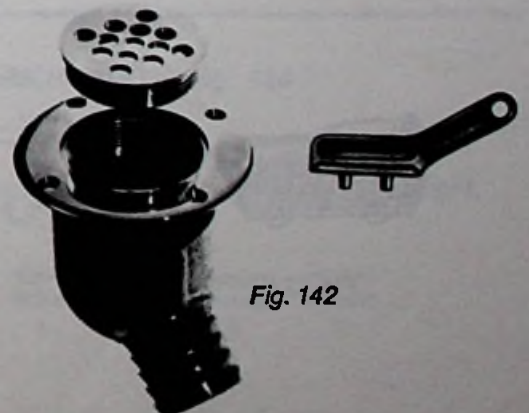


Fig. 142

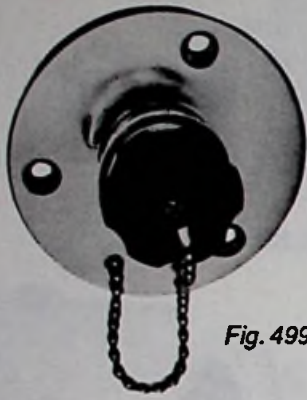


Fig. 499

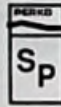


## WATER INLET FITTING — FIG. 499

Chrome Plated Bronze

For obtaining water under pressure at dockside. External portion has a standard size Female swivel hose connector with watertight plug and stainless steel bead chain.

N.P.T	Diameter Flange Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1/2	2-3/4	8	1	25	8



→ This item available in Skin Pack, See Section L.



Fig. 504



## WATER OUTLET FITTING — FIG. 504

Chrome Plated Bronze

For use with on-board washdown systems. External portion has a standard size male hose connector with a black cap and stainless steel bead chain.

N.P.T	Diameter Flange Inches	Screw Size	Standard Package	Weight Ounces
1/2	2-3/4	8	1	8



→

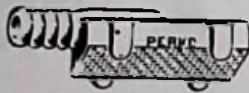


Fig. 709

## PUMP STRAINER — FIG. 709

Cast Bronze

Hose Size Inches	Length Overall Inches	Width Inches	Standard Package	O.E.M. Package	Weight Ounces
5/8	3-5/8	1-3/4	5	25	6



Fig. 704

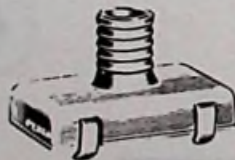


Fig. 705

## PUMP STRAINERS — FIG. 704 & 705

Cast Bronze

Fig.	Hose Size Inches	Length Inches	Width Inches	Weight Pounds
704	1-1/4	7	2-3/4	2
705	1-1/4	4-3/4	2-3/4	1-1/2



Fig. 721



Fig. 722

## PUMP STRAINERS — FIG. 721 & 722

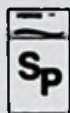
Cast Bronze

Fig.	Pipe Size Inches	Length Inches	Width Inches	Weight Pounds
721	1-1/4	5	2-3/4	1-1/2
722	1-1/4	4-3/4	2-3/4	1-3/8





Fig. 414

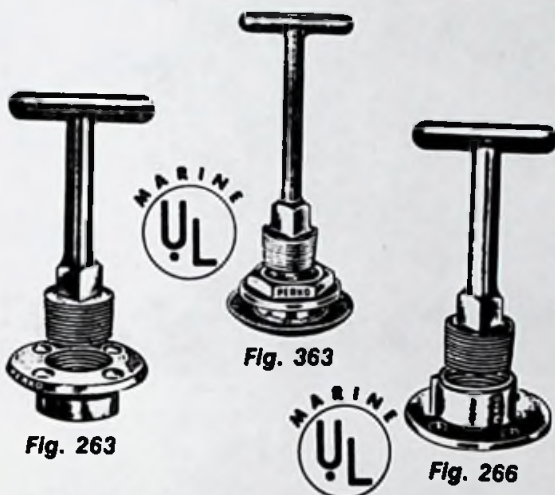


**TRANSOM DRAIN PLUGS — Fig. 414**

**Brass — Expandable Plug**

No.	Diameter Tube Inches	Length Overall Inches	Length Tube Inches	Standard Package	Weight Ounces
1	1	2½	2	10	4½
2	1	3¼	2¼	10	5

Size No. 1 available in SKIN PACK, See Section L.



**GARBOARD DRAIN PLUGS — Figs. 263, 363 & 266**

**Cast Bronze**

*Figs. 263 and 266*

Pipe Size Inches	Diameter Flange Inches	Depth Inches	Screw Size	Standard Package	Weight Ounces
¾	2½	¾	8	5	11

*Fig. 363*

Pipe Size Inches	Diameter Flange Inches	Length Threaded Neck Inches	Screw Size	Max. Hull Thickness Inches	Standard Package	Weight Ounces
¾	2½	1¼	8	¾	5	14½

**GARBOARD DRAIN PLUGS — Figs. 714 & 737**

**Pressure Cast Bronze**

*Figs. 737 No. 1 and 737 No. 2 have extra brass flange and 3 F.H. machine screws.*

Fig. No.	Pipe Size Inches	Thickness Inches	Diameter Flange Inches	Depth Inches	Screw Size	Standard Package	Weight Ounces
714 1	½	N/A	2	¾	8	5	3
714 2	½	N/A	2	¾	8	5	4
737 1	½	¼	2	¾	N/A	5	6
737 2	½	¼	2	¾	N/A	5	7

O.E.M. Package *Fig. 714 No. 1-50*

**GARBOARD DRAIN PLUG — Fig. 124**

**Cast Bronze — With Wrench**

Threads are tapered pipe sizes and plugs are watertight.

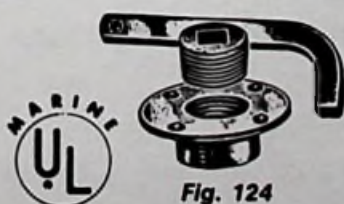
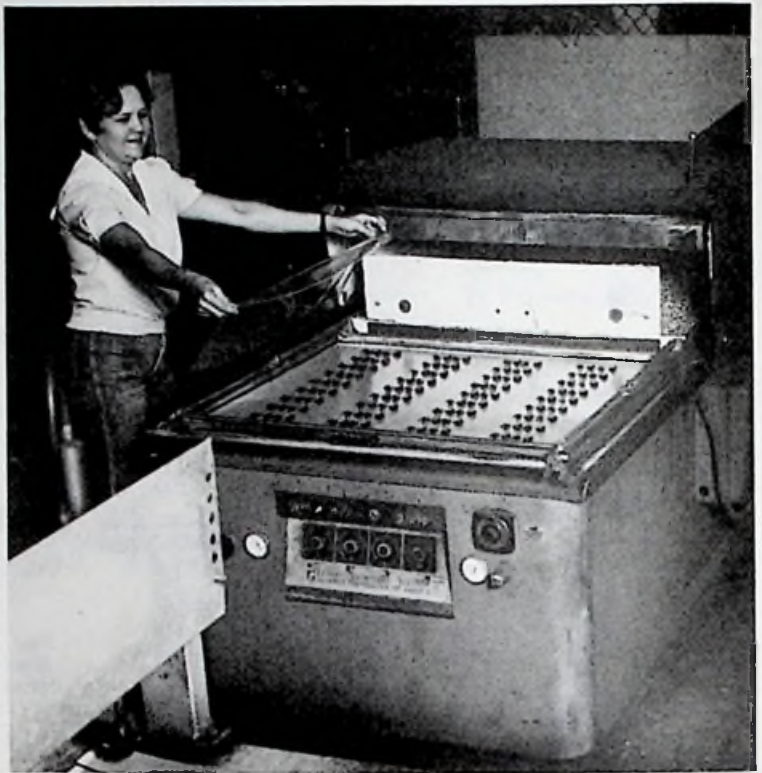


Fig. 124

NPT Size	Diameter Flange Inches	Depth Inches	Screw Size	Standard Package	Weight Ounces
1	3¾	1	10	5	10

## SKIN PACK DIVISION

Our PerkoPak Program Offers a Large Number and Variety of Our Products in Skin Pack or Attractive Display Boxes.



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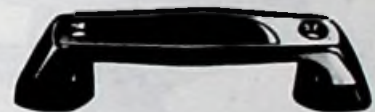
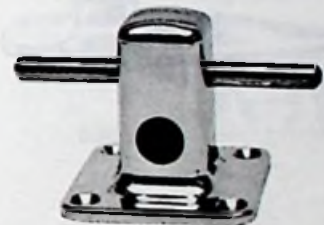
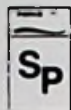




Fig. 1252



**CLEAT — Fig. 1252**

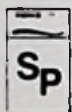
**Chrome Plated Zinc**

Length Inches	Size Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
6½	3 x 1½	¾	¼	5	50	7

This item available in SKIN PACK, See Section L.



Fig. 566



**CLEATS — Fig. 566**

**Chrome Plated Zinc**

Length Inches	Size Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	Weight Ounces
2	2¾ x 1½	⅝	6	10	1½
3	3½ x 1½	¾	8	10	4½
4½	4⅞ x 1½	½	10	10	8½
6	5½ x 2	¾	12	5	13½

This item available in SKIN PACK, See Section L.



Fig. 1251

**CLEATS — Fig. 1251**

**Chrome Plated Zinc**

Length Inches	Size Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3	1½ x 1⅞	¾	8	10	—	2
4½	1½ x 1¼	½	8	10	50	6
6	2½ x 1¾	¾	10	5	50	11

**CLEATS — Figs. 572 & 1188**

**Fig. 572 — Chrome Plated Bronze**

Length Inches	Width Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
*4½	1¼	10	10	—	½
*5½	1¼	10	10	—	¾
*6½	2	12	10	25	¾
8	2½	¼	5	25	1¼
10	3	⅝	1	10	2
12	3	⅝	1	5	3

\*These Sizes Are Solid, Balance Of Sizes Are Hollow.

**Fig. 1188 — Chrome Plated Zinc**

Length Inches	Width Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
4	1½	10	10	—	¼
6	1¼	10	10	50	½
8	2	¼	5	25	¾
10	2⅞	¼	1	10	1½
12	3	⅝	1	10	2¼

Fig. 1188 Nos. 4 & 6 available in Skin Pack, See Section L.

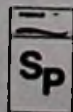


Fig. 572 — Chrome Plated Bronze

Fig. 1188 — Chrome Plated Zinc



**CLEATS WITH STUDS — FIG. 1210**

**Chrome Plated Zinc**

Length Inches	Width Base Inches	Stud Size	Standard Package	O.E.M. Package	Weight Ounces
4	1-5/8	12-24 X 1-1/4	10	50	5-1/2
6	1-3/4	1/4-20 X 2	10	30	8
8	2	1/4-20 X 2	5	30	12-1/2

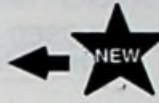


Fig. 1210

**CLEATS — FIG. 544**

**Cast Bronze**

**Polished Bronze or Chrome Plated Bronze**

Length Inches	Size Base Inches	Screw Size	Standard Package	Weight Pounds
*3	1-1/2 X 5/8	8	10	1/8
*4	1-5/8 X 3/4	10	10	1/4
*5	2 X 7/8	1/4	10	3/8
*6	2-1/4 X 7/8	1/4	5	1-5/8
8	2-5/8 X 1-1/8	1/4	1	2
10	3-5/8 X 1-1/2	5/16	1	2-1/8

\* These sizes are solid base type, balance of sizes are open base type.

Fig. 544 No. 4 Chrome Available in Skin Pack, See Section L.

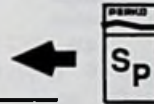
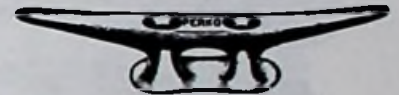


Fig. 544



**CLEATS — FIG. 545**

**Cast Aluminum**

**Plain Aluminum Finish**

Length Inches	Size Base Inches	Screw Size	Standard Package	Weight Ounces
*3	1-1/2 X 5/8	8	10	1-1/2
*4	1-5/8 X 3/4	10	10	2
*5	2 X 7/8	1/4	10	3
*6	2-1/4 X 7/8	1/4	10	4
8	2-5/8 X 1-1/8	1/4	10	5
10	3-5/8 X 1-1/2	5/16	5	9
12	4 X 1-1/2	5/16	5	14

\* These sizes are solid base type, balance of sizes are open base type.

Fig. 545 No. 4, 5 & 8 Available in Skin Pack, See Section L.

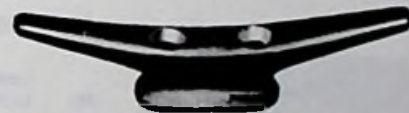
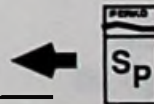
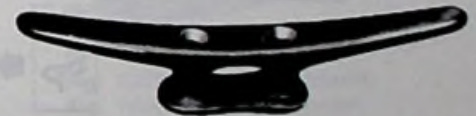


Fig. 545



**CLEATS — FIG. 530**

**Cast Aluminum**

**Plain Aluminum Finish**

Length Inches	Size Base Inches	Screw Size	Standard Package	Weight Pounds
8	4 X 2-1/4	1/2	1	1-1/8
10	4-1/2 X 3	1/2	1	1-3/4
12	6-1/2 X 2-7/8	5/8	1	3-1/2
15	7 X 3-1/4	3/4	1	4-7/8



Fig. 530

**CHROMALEX® CLEATS**  
**PATENT NO. 3,828,714**  
**CHROME PLATED ZINC AND BLACK PLASTIC**

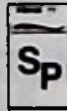
**CLOSED BASE TYPE**  
**Figs. 1305 & 1315**



Fig. 1305

Fig. 1305 For Screws or Bolts

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	3¾ x 1⅞	¾	10	1	50	5½
2	6	5 x 1¾	½	¼	1	50	10



➔ This item available in SKIN PACK, See Section L.

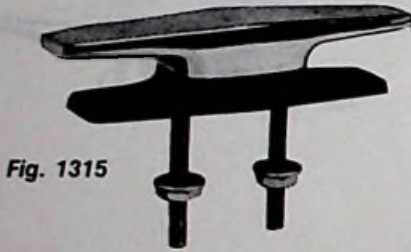


Fig. 1315

Fig. 1315 with Zinc Plated Steel Studs, Nuts and Washers

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Stud Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	3¾ x 1⅞	¾	12-24 x 1½	1	50	6
2	6	5 x 1¾	½	¼ x 1½	1	40	12

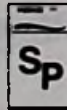
**OPEN BASE TYPE**  
**Figs. 1306 & 1316**



Fig. 1306

Fig. 1306 For Screws or Bolts

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	2½ x 1⅞	¾	10	1	50	5½
2	6	3¾ x 1¾	½	¼	1	50	10



➔ This item available in SKIN PACK, See Section L.

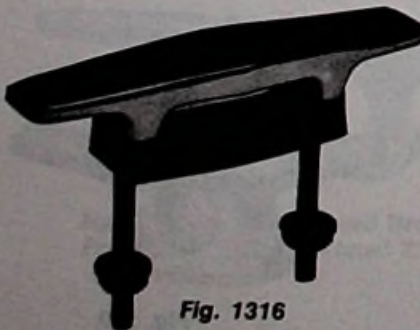


Fig. 1316

Fig. 1316 with Zinc Plated Steel Studs, Nuts and Washers

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Stud Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	2½ x 1⅞	¾	12-24 x 1½	1	50	6
2	6	3¾ x 1¾	½	¼ x 1½	1	40	12



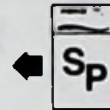
**CHROMALEX® CLEATS**  
**PATENT NO. 3,828,714**  
**CHROME PLATED ZINC AND PLASTIC**

**CLOSED BASE TYPE**

*Figs. 1405 & 1505 for Screws or Bolts*

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	3¼ x 1½ <sub>16</sub>	¾	10	1	50	5½
2	6	5 x 1¾	½	¼	1	50	10

*Fig. 1505 available in Skin Pack, See Section L.*



*Fig. 1405 with Black insert  
 Fig. 1505 with Teak insert*

*Figs. 1415 & 1515 with Zinc Plated Steel Studs, Nuts and Washers*

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Stud Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	3¼ x 1½ <sub>16</sub>	¾	12-24 x 1½	1	50	6
2	6	5 x 1¾	½	¼ x 1½	1	40	12



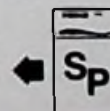
*Fig. 1415 with Black insert  
 Fig. 1515 with Teak insert*

**OPEN BASE TYPE**

*Figs. 1406 & 1506 for Screws or Bolts*

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	2½ x 1½ <sub>16</sub>	¾	10	1	50	5½
2	6	3¼ x 1¾	½	¼	1	50	10
3	8	3¾ x 1½	¾	¼	1	50	12

*Fig. 1506 Nos. 1 and 2 available in Skin Pack, See Section L.*



*Fig. 1406 with Black insert  
 Fig. 1506 with Teak insert*

*Figs. 1416 & 1516 with Zinc Plated Steel Studs, Nuts and Washers*

No.	Length Inches	Size Base Inches	For Rope Diam. Inches	Stud Size	Standard Package	O.E.M. Package	Weight Ounces
1	4½	2½ x 1½ <sub>16</sub>	¾	12-24 x 1½	1	50	6
2	6	3¼ x 1¾	½	¼ x 1½	1	40	12
3	8	3¾ x 1½	¾	¼ x 1½	1	30	14



*Fig. 1416 with Black insert  
 Fig. 1516 with Teak insert*

**BOW CHOCKS — Fig. 546**

**Chrome Plated Bronze**

Length Inches	Width Inches	For Rope Diam. Inches	Screw Size	Standard Package	Weight Per Pair Pounds
3	3/4	3/8	8	5 Pr.	1/4
4	3/4	3/8	10	5 Pr.	1/2
5	7/8	7/8	10	5 Pr.	1
6	1	1	1/4	1 Pr.	1 1/2
8	1 1/4	1 1/4	1/4	1 Pr.	3



Fig. 546

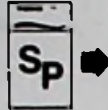


Fig. 546 No. 4 available in SKIN PACK, See Section L.

**BOW CHOCKS — Fig. 1223**

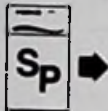
**Skene Type**

**Chrome Plated Zinc**

Length Inches	Width Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
3 1/2	7/8	1/2	8	10 Pr.	50 Pr.	4



Fig. 1223



This item available in SKIN PACK, See Section L.

**BOW CHOCKS — Fig. 160**

**Skene Type**

**Chrome Plated Bronze**

No.	Length Inches	Width Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Pounds
1	4 1/2	3/4	3/8	10	5 Pr.	25 Pr.	3/4
2	5 1/8	1 1/8	3/4	10	5 Pr.	10 Pr.	1 1/2
3	7 1/4	1 3/8	7/8	3/16	1 Pr.	10 Pr.	4



Fig. 160

**STERN CHOCKS — Fig. 161**

**Skene Type**

**Chrome Plated Bronze**

No.	Length Inches	Width Inches	For Rope Diam. Inches	Screw Size	Standard Package	Weight Each Pounds
11	4	7/8	3/8	8	5	1/2
12	5 3/4	1 1/4	3/4	1/4	5	1



Fig. 161

**CHOCKS — Fig. 119**

**Straight Type**

**Chrome Plated Bronze**

Length Inches	Width Inches	For Rope Diam. Inches	Screw Size	Standard Package	Weight Each Pounds
4	7/8	3/8	8	5	1/4
5	1	7/8	10	5	1/2
6	1 1/4	1	12	1	3/4
8	1 3/4	1 1/8	1/4	1	1 1/2



Fig. 119

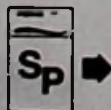


Fig. 119 No. 4 available in SKIN PACK, See Section L.

**CHOCKS — Fig. 1230**

**Straight Type**

**Chrome Plated Zinc**

Length Inches	Width Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
4	7/8	3/8	8	10 Pr.	50 Pr.	6

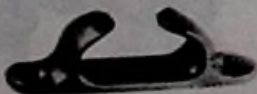


Fig. 1230



**CHROMALEX® CHOCKS**  
**PATENT NO. 3,828,714**  
**CHROME PLATED ZINC AND BLACK PLASTIC**

**SKENE TYPE**  
**Figs. 1307 & 1317**

*Fig. 1307* For Screws or Bolts

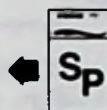
No.	Length Inches	Width Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
1	3½	¾	¾	10	1 Pr.	50 Pr.	5
2	5	1¼	½	¼	1 Pr.	25 Pr.	12

This Item Available in Skin Pack. See Section L.

*Fig. 1317* with Zinc Plated Steel Studs, Nuts and Washers

No.	Length Inches	Width Base Inches	For Rope Diam. Inches	Stud Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
1	3½	¾	¾	12-24 x 1¼	1 Pr.	25 Pr.	6
2	5	1¼	½	¼ x 1¼	1 Pr.	25 Pr.	14

**Fig. 1307**



**Fig. 1317**

**STRAIGHT TYPE**  
**Figs. 1308 & 1318**

*Fig. 1308* For Screws or Bolts

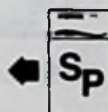
No.	Length Inches	Width Base Inches	For Rope Diam. Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
1	3½	¾	¾	10	1 Pr.	50 Pr.	5
2	5	1¼	½	¼	1 Pr.	25 Pr.	12

This Item Available in Skin Pack. See Section L.

*Fig. 1318* with Zinc Plated Steel Studs, Nuts and Washers

No.	Length Inches	Width Base Inches	For Rope Diam. Inches	Stud Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
1	3½	¾	¾	12-24 x 1¼	1 Pr.	25 Pr.	6
2	5	1¼	½	¼ x 1¼	1 Pr.	25 Pr.	14

**Fig. 1308**



**Fig. 1318**

**HAWSE HOLE PLATE — Fig. 752**

**Cast Bronze — Plain Bronze or Chrome Plated Bronze**

Outside Dimensions Inches	Inside Dimensions Inches	Length Spigot Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
4¼ x 6	2½ x 4½	1¼	¼	1	10	1½

**Fig. 752**

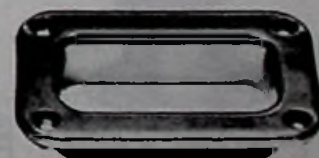


**HAWSE HOLE PLATE — Fig. 1250**

**Chrome Plated Zinc**

Outside Dimensions Inches	Inside Dimensions Inches	Length Spigot Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
3¾ x 5¾	2½ x 4½	1	¼	1	10	¾

**Fig. 1250**



**MOORING BITTS — FIGS. 608 & 1219  
HOLLOW**



**Fig. 608 — Chrome Plated Bronze  
Fig. 1219 — Chrome Plated Zinc**

**Fig. 608 — Chrome Plated Bronze**

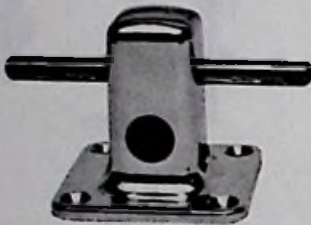
No.	Size Base Inches	Height Inches	Bolt Size	Weight Pounds
1	3 X3	2-1/2	10	7/8
2	4-1/4 X4-1/4	3-1/2	1/4	1-7/8
2-1/2	5 X5	4-3/4	3/8	3-1/2
3	6 X6	5	3/8	4-1/2

**Fig. 1219 — Chrome Plated Zinc**

No.	Size Base Inches	Height Inches	Bolt Size	Weight Pounds
2-1/2	5 X5	4-3/4	3/8	3-1/2

**COMBINATION BITTS AND ROPE DECK PIPES —  
Figs. 431 & 1237**

Same Dimensions as above except body is drilled to allow passage of rope below deck.



**Fig. 431 — Chrome Plated Bronze  
Fig. 1237 — Chrome Plated Zinc**

**Fig. 431 — Chrome Plated Bronze**

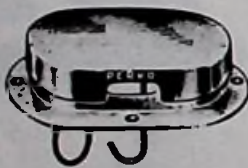
No.	For Rope Diam. Inches	Weight Pounds
2	3/4	1-3/4
2-1/2	1	3-1/4
3	1	4

**Fig. 1237 — Chrome Plated Zinc**

No.	For Rope Diam. Inches	Weight Pounds
2-1/2	1	3-1/4

**ROPE AND CHAIN DECK PIPE — FIG. 750**

**Chrome Plated Bronze**  
Cover has hook for Hanging Chain



**Fig. 750**

For Rope Diam. Inches	For Chain Size Inches	Dimensions Flange Inches	Height Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
3/4	3/8	5-1/4 X4	1-3/8	8	1	10	2

**ROPE DECK PIPES — FIG. 741**

**Chrome Plated Bronze**



**Fig. 741**

No.	For Rope Diam. Inches	Diam. Flange Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
0	5/8	3	8	1	10	3/4
1	3/4 & 1	4-1/4	8	1	10	1-5/8

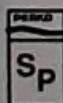
**ROPE DECK PIPE — FIG. 757**

**Chrome Plated Zinc**



**Fig. 757**

For Rope Diam. Inches	Diam. Flange Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
1	3-3/8	8	1	10	1/2



➔ This item available in SKIN PACK, See Section L.



**NOTE: THE BOW EYES & TRANSOM EYES ILLUSTRATED ON THIS PAGE ARE NOT DESIGNED TO BEAR THE WEIGHT OF THE VESSEL AND THEREFORE SHOULD NOT BE USED FOR LIFTING.**

**BOW EYES — Fig. 237**

**Stainless Steel 300 Series Non-Magnetic with Stainless Steel Nuts & Washers**

No.	Length Shank Inches	Diameter Shank Inches	Length Thread Inches	Inside Eye Inches	O.E.M. Package	Weight Ounces	*Safe Working Load Pounds
1	3	5/16	3	1	25	4	1800
2	6	5/16	6	1	—	5½	1800
3	3	3/8	3	1½	25	5	3000
4	3¼	½	3¼	1½	—	12	4600

Standard Package, Nos. 1 thru 3, 10 Pieces. No. 4, 5 Pieces.

Fig. 237 No. 1 available in SKIN PACK, See Section L.

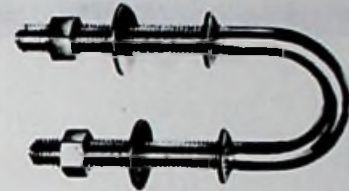


Fig. 237

**BOW EYE — Fig. 1235**

**Chrome Plated Zinc Eye — Zinc Plated Steel "U" Bolt, Nuts and Washers**

Length Shank Inches	Length Thread Inches	Diameter Shank Inches	Inside Eye Inches	Standard Package	O.E.M. Package	Weight Ounces
3	2¼	3/8	1	10	50	11

**\*SAFE WORKING LOAD 2000 POUNDS**

This item available in SKIN PACK, See Section L.

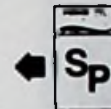
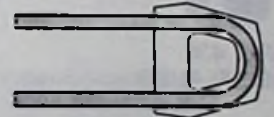
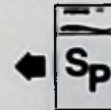


Fig. 1235



**TRANSOM EYES — Fig. 236**

**Stainless Steel 300 Series Non-Magnetic**

**Stainless steel finishing plate, nuts and washers**

For use as towing or lashing eye

No.	Diameter Shank Inches	Length Shank Inches	Inside Eye Inches	Dimensions Plate Inches	Standard Package	Weight Ounces	*Safe Working Load Pounds
1	5/16	3	1	3 x 1¼	10	6	1800
3	3/8	3	1½	3 x 1¼	5	10	3000
4	½	3¼	1½	4 x 1¼	5	14½	4600

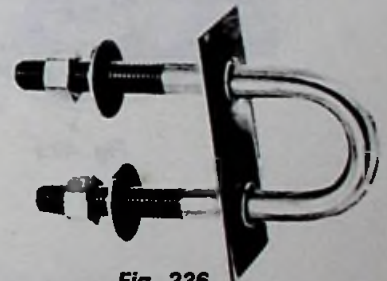


Fig. 236

**WATER SKI TOWING HOOK — Fig. 863**

**Chrome Plated Zinc Body — Zinc Plated Steel Bolt, Nuts and Washer**

Length Overall Inches	Diameter Bolt Inches	Length Bolt Inches	Length Thread Inches	Standard Package	O.E.M. Package	Weight Ounces
6	5/16	3¼	2½	5	25	10

This item available in SKIN PACK, See Section L.

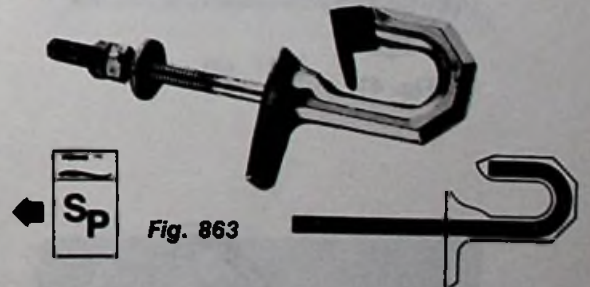


Fig. 863

**\*IMPORTANT NOTE**

THE SAFE WORKING LOAD INFORMATION GIVEN FOR THE ITEMS ABOVE IS BASED ON A STRAIGHT AXIAL PULL. THIS INFORMATION WOULD NOT APPLY IN CASES WHERE INSTALLATION OR USE CREATES ANGULAR LOADING SINCE THESE VARIATIONS MAKE IT IMPRACTICABLE TO OFFER ACCURATE TEST DATA.



Fig. 434

**LIFTING EYE AND CLEAT — Fig. 434**  
**Chrome Plated Manganese Bronze**

**\*SAFE WORKING LOAD 4000 POUNDS**

For Rod Inches	I.D. Eye Inches	Length Cleat Inches	Dimensions Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3/8	1 1/16	5 1/16	3 1/2 x 2 1/2	10	1	10	18

**LIFTING EYES — Figs. 429 & 430**

**Chrome Plated Manganese Bronze**

**\*SAFE WORKING LOAD 3000 POUNDS**

Fig.	For Rod Inches	I.D. Eye Inches	O.D. Eye Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
429	3/8	1 1/2	2 1/4	8	1	10	19
430	3/8	1 1/2	2 1/4	8	1	10	17



Fig. 430  
**LOOSE FLANGE**



Fig. 429  
**INTEGRAL FLANGE**

**\*IMPORTANT NOTE**  
 THE SAFE WORKING LOAD INFORMATION GIVEN FOR THE ITEMS ABOVE IS BASED ON A STRAIGHT AXIAL PULL THIS INFORMATION WOULD NOT APPLY IN CASES WHERE INSTALLATION OR USE CREATES ANGULAR LOADING SINCE THESE VARIATIONS MAKE IT IMPRACTICABLE TO OFFER ACCURATE TEST DATA.

**LASHING EYES — Fig. 423**

**Chrome Plated Manganese Bronze**



Fig. 423

No.	Plate Size Inches	Eye Size Inches	Bolt Size	Standard Package	Weight Ounces
1	4 x 2 1/2	1 x 1	1/4	5	8
2	5 x 3 1/4	1 1/2 x 1	5/16	5	14 1/2

**RINGS — Fig. 417**

**Brass**



Fig. 417

No.	Inside Diam. Inches	Thick-ness Inches	Standard Package	No.	Inside Diam. Inches	Thick-ness Inches	Standard Package
1	1/2	1/8	10	4	1 1/4	3/16	5
2	3/4	1/8	10	5	1 1/2	7/32	5
3	1	3/16	10	6	1 3/4	1/4	5
				7	2	1/4	5

**RING WITH STRAP — Fig. 1020**

**Cast Bronze — Plain Bronze or Chrome Plated Bronze**



Fig. 1020

Strap Size Inches	Ring Inside Diam. Inches	Screw Size	Standard Package	Weight Ounces
4 1/8 x 3/8	1 1/2	8	5	4 1/2



**STEP PLATES — Fig. 1043**

**Chrome Plated Bronze Frames**

**White Molded Soft Pastic Pads**

No.	Dimensions Inches	Screw Size	Standard Package	Weight Pounds
0	8 x 2¼	4	6	½
1	8¾ x 3¼	6	6	¾
2	11½ x 5¾	8	6	1¾



Fig. 1043

**STEP PLATES — Fig. 1225**

**Chrome Plated Zinc Frames**

**White Molded Soft Plastic Pads**

No.	Dimensions Inches	Screw Size	Standard Package	Weight Ounces
0	8¾ x 2¼	8	10	5
1	8¾ x 3¼	8	10	8
2	11½ x 5¾	8	10	12

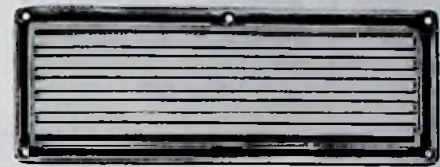
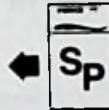


Fig. 1225

Fig. 1225 Nos. 0 & 1 available in Skin Pack, See Section L.



**STEP PLATES — Fig. 1325**

**Chrome Plated Zinc Frames**

**Black Molded Soft Plastic Pads**

No.	Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
0	8¾ x 2¼	8	10	50	5
1	8¾ x 3¼	8	10	50	8

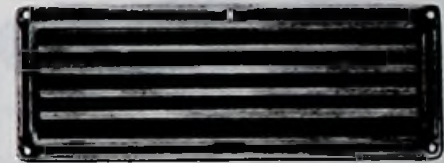
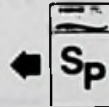


Fig. 1325

This item available in Skin Pack, See Section L.



**STEP PLATES — Fig. 1525**

**Chrome Plated Zinc Frames**

**Teak Molded Soft Plastic Pads**

No.	Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
0	8¾ x 2¼	8	10	50	5
1	8¾ x 3¼	8	10	50	8

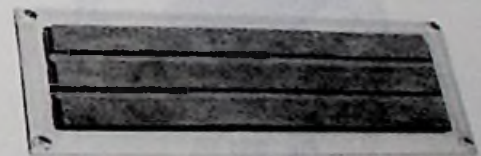
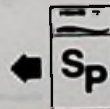


Fig. 1525

This item available in Skin Pack, See Section L.



**STEP PLATES — Fig. 1526**

**Teak Molded Plastic**

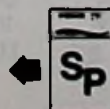
**Frame Not Required**

No.	Dimensions Inches	Screw Size	Standard Package	Weight Ounces
0	9 x 2¼	8	10	2
1	9¾ x 2¾	8	10	4



Fig. 1526

This item available in SKIN PACK, See Section L.



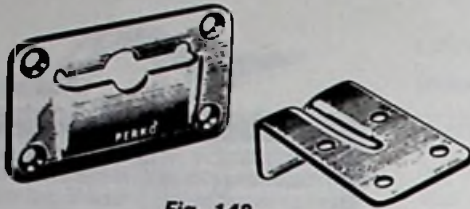


Fig. 148

**TABLE BRACKETS — Fig. 148**

**Chrome Plated Brass**

**For Removable Tables — Supplied**

**in sets consisting of two brackets and two wall plates**

Dimensions Angle Bracket Inches	Dimensions Wall Plate Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Set Ounces
2 $\frac{3}{4}$ x 1 $\frac{1}{16}$	3 $\frac{3}{8}$ x 2	10	5 Sets	25 Sets	12



Fig. 669

**LADDER LOCKS — Fig. 669**

**Chrome Plated Cast Bronze**

Height Inches	Length Socket Inches	Length Bracket Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Set Ounces
1 $\frac{1}{4}$	1	1 $\frac{1}{4}$	8	5 Sets	25 Sets	12

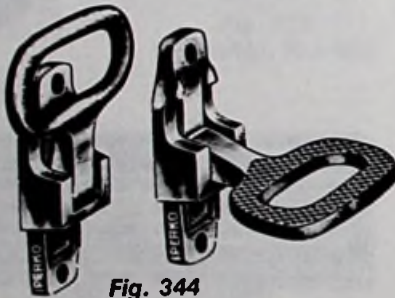


Fig. 344

**FOLDING STEP — Fig. 344**

**Cast Bronze — Plain Bronze or Chrome Plated Bronze**

**Stainless Steel Spring holds step in open or closed position**

Step Size Inches	Base Size Inches	Projection Folded Inches	Bolt Size	Weight Pounds
4 x 2	4 $\frac{1}{4}$ x 1 $\frac{3}{4}$	$\frac{7}{8}$	$\frac{3}{16}$ R.H.	1 $\frac{1}{2}$



Fig. 351

**FIXED STEP — Fig. 351**

**Cast Bronze — Plain Bronze or Chrome Plated Bronze**

Dimensions Of Step Inches	Dimensions Mounting Bracket Inches	Bolt Size	Weight Pounds
6 x 4 $\frac{1}{4}$	6 x 2	$\frac{3}{16}$ R.H.	1 $\frac{1}{2}$



Fig. 501

**FIXED STEP — Fig. 501**

**Cast Bronze — Plain Bronze or Chrome Plated Bronze**

Dimensions Of Step Inches	Dimensions Mounting Bracket Inches	Bolt Size	Weight Pounds
11 x 4 $\frac{1}{2}$	11 x 2	$\frac{3}{16}$ R.H.	2 $\frac{1}{2}$



**FITTINGS FOR WOOD GUARD RAILS**

**Chrome Plated Bronze**

**HINGE—Fig. 180**

**LATCH—Fig. 185**

No.	Size Rail Inches	Length Overall Inches	Screw Size	Weight Pounds
1	2 3/8 x 1 3/8	5	8	3/4
2	2 1/8 x 1 1/4	5 1/2	8	1



Fig. 180



Fig. 185

**FLUSH TYPE FLAG POLE SOCKETS — Figs. 218 & 219**

**Chrome Plated Bronze**

No.	Inside Diam. Inches	Diam. Flange Inches	Depth Socket Inches	Screw Size	Weight Ounces
1	3/4	2	1 1/2	8	4 1/2
2	1	2 1/8	1 3/4	8	5
3	1 1/4	2 1/2	2	8	9



Bow  
Fig. 218



Stern  
Fig. 219

**UPRIGHT TYPE FLAG POLE SOCKETS — Figs. 220 & 221**

**Chrome Plated Bronze**

No.	Inside Diam. Inches	Diam. Base Inches	Height Inches	Screw Size	Weight Ounces
1	3/4	2 1/8	1 3/4	8	5 1/2
2	1	2 1/2	2	8	6 3/4
3	1 1/4	2 3/4	2 1/2	8	10 1/4



Bow  
Fig. 220



Stern  
Fig. 221

**CLAMP-ON FLAG POLE SOCKET — Fig. 1302**

**Chrome Plated Zinc — Black Plastic Knob**

No.	Inside Diameter Inches	Rail Size Inches	Dimensions Inches	Weight Ounces
1	3/4	1/2-1	2 x 1 1/4	11

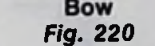


Fig. 1302

**FLAG STAFF — Fig. 495**

**Chrome Plated Brass Tube — Chrome Plated Zinc Base With O-Ring**

No.	Length Inches	Diam. Base Inches	Standard Package	Weight Ounces
1	14	1/2	5	3
2	14	3/4	5	4
3	18	3/4	1	5



Fig. 495



Fig. 496

**FLAG STAFF — Fig. 496**

**Varnished Mahogany — Aluminum Ferrule**

No.	Length Overall Inches	Diam. Base Inches	Weight Ounces
5	24	1	6
6	30	1 1/4	9 1/2
7	36	1 1/4	14
8	48	1 1/4	27

**ROWLOCK HORNS AND SOCKETS  
ZINC OR MANGANESE BRONZE**



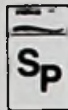
Fig. 1227



Fig. 1267



Fig. 1262



**HORNS ONLY — Figs. 1227, 1262 & 1267**

Zinc — Natural or Chrome Plated

Diam. Shank Inches	Length Shank Inches	Between Horns Inches	Inside Diam. Fig. 1267 Inches	Standard Package	Weight Per Pair Ounces
½	1¼	1¼	2	10 Pr.	9

These items available in Skin Pack, See Section L.



Fig. 1185



Fig. 1187

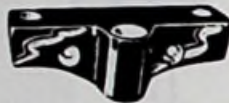
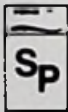


Fig. 1186



**SOCKETS ONLY — Figs. 1185, 1186 & 1187**

Zinc — Natural or Chrome Plated

Black Plastic Bearings for Smooth Operation

Fig.	Length Inches	Width Inches	Depth Inches	Screw Size	Standard Package	Weight Per Pair Ounces
1185	2½	1¼	1¼	10	10 Pr.	5
1186	4	¾	1¼	10	10 Pr.	9
1187	4	—	1¼	10	10 Pr.	6

Combinations of above Sockets and Horns are available in Skin Pack, See Section L.



Fig. 828



Fig. 830



Fig. 829

**HORNS ONLY — Figs. 828, 829 & 830**

Manganese Bronze — Burnished

Straight Shanks

Fig.	Size No.	Between Horns Inches	Inside Diam. Inches	Diam. Shank Inches	Length Shank Inches	Standard Package	Weight Per Pair Ounces
828	—	2	—	½	2½	5 Pr.	13
829	0	—	2	½	2½	5 Pr.	14
829	1	—	2¼	½	2½	5 Pr.	16
830	—	2¼	—	½	2½	5 Pr.	13



Fig. 831



Fig. 832



Fig. 833

**SOCKETS ONLY — Figs. 831, 832 & 833**

Manganese Bronze — Burnished

Fig.	Length Inches	Width Inches	Depth Inches	Screw Size	Standard Package	Weight Per Pair Ounces
831	2½	¾	1	10	5 Pr.	4
832	3½	—	1¼	10	5 Pr.	7
833	4	¾	1¼	10	5 Pr.	8

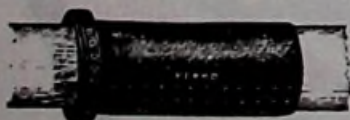


Fig. 233

**OAR LEATHERS AND BUTTONS — Fig. 233**

Leather

Dimension Leathers Inches	Dimension Buttons Inches	Standard Package	Weight Per Pair Ounces
7 x 6½	½ x 13	5 Pr.	10

Note, Pair Consists Of 2 Leathers and 2 Buttons.



**BOAT HOOK HOLDERS — Fig. 492**

**Polished Stainless Steel**

Length Inches	Width Inches	Maximum Pole Size Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3½	1	1½	6	10 pr.	50 pr.	1½

This item available in SKIN PACK, See Section L.

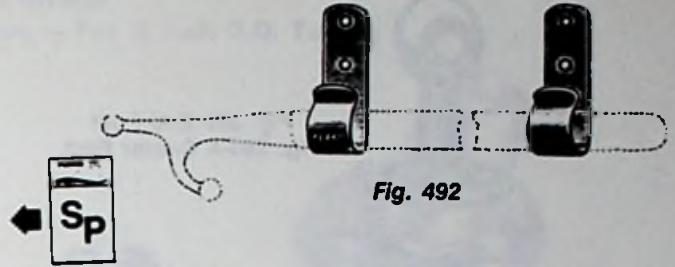


Fig. 492

**SPRING CLAMPS — Fig. 502**

**Polished Stainless Steel**

No.	Adjust- ability Inches	Length From Wall Inches	Width of Metal Inches	Screw Size	Standard Package	Weight Per Pair Ounces
1	¾ to 1¼	1½	½	6 R.H.	10 pr.	2
2	1 to 1¼	2¼	¾	6 R.H.	10 pr.	2½

Fig. 502 No. 1 available in SKIN PACK, See Section L.

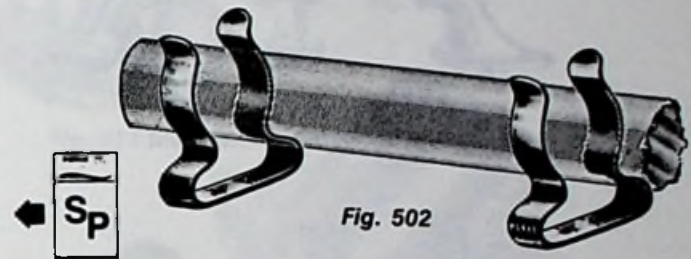


Fig. 502

**HAND WINDSHIELD WIPERS — Fig. 533**

**For Straight and Curved Windshields — Stainless Steel  
Arm and Blade Holder — Other Parts Chrome Plated Zinc**

Arm can be extended from 6¾ to 10½ inches and spring tension is adjustable.

Length Overall Inches	Diam. Shaft Inches	Maximum Thickness Inches	Length Handle Inches	Length Blade Inches	O.E.M. Package	Weight Ounces
8 to 11½	¾	1	2¾	12	25	8

This item available in SKIN PACK, See Section L.

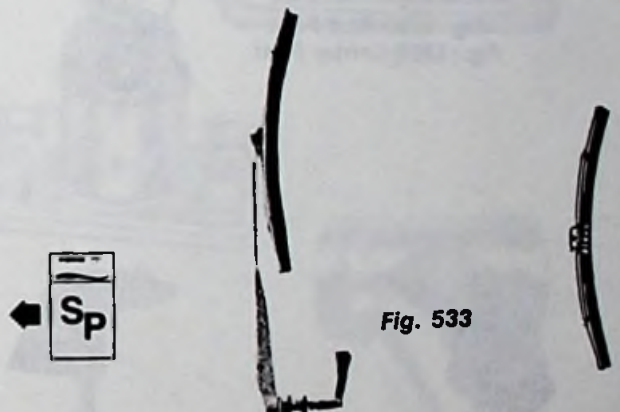


Fig. 533

**TRANSOM PLATES — Fig. 1224**

**Chrome Plated Zinc Frame**

**Molded Soft Plastic Pad**

For outboard motor brackets.

Length Overall Inches	Inside Diameter Inches	Screw Size	Standard Package	Weight Per Pair Ounces
3½	1¾	8	10 Pr.	2¾

This item available in SKIN PACK, See Section L.

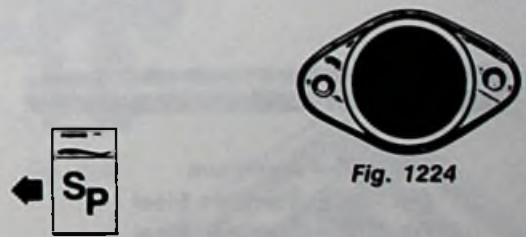


Fig. 1224

**AXE BRACKETS — Fig. 325**

**Chrome Plated Brass Blade Socket**

**18-8 Polished S/S Bracket**

For Blade Width Inches	Blade Socket Screw Size	Bracket Screw Size	Standard Package	Weight Per Set Ounces
6	10 R.H.	6	10 Sets	4½



Fig. 325



Fig. 380 End Post  
Fig. 380-A Center Post



Fig. 413 End Post  
Fig. 413-A Center Post



Fig. 1297 End Post  
Fig. 1298 Center Post



Fig. 1337



Fig. 1347

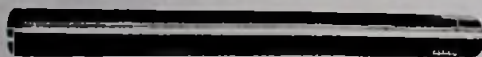


Fig. 497 — Aluminum  
Fig. 498 — Stainless Steel  
Fig. 916 — Stainless Steel

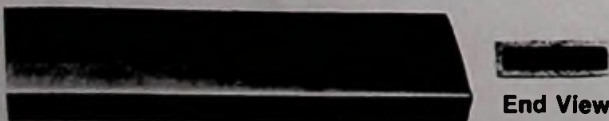


Fig. 1339—Aluminum

**GRAB RAIL POSTS — Figs. 380 & 380-A**

Chrome Plated Bronze

Hollow — For 1 inch O.D. Tubing

Height Inches	Diam. Base Inches	Screw Size	Standard Package	Weight Ounces
3 3/4	2 1/2	8	1	10

**GRAB RAIL POSTS — Figs. 413 & 413-A**

Chrome Plated Bronze

Hollow — for 1 inch O.D., 20 gauge Tubing

Fig.	Height Inches	Dimensions		Screw Size	Standard Package	Weight Ounces
		Base Inches				
413	2 1/4	3	x 2	8	1	10
413-A	2 1/4	2 1/4	x 1 1/2	8	1	7 1/4

**GRAB RAIL POSTS — Figs. 1297 & 1298**

Chrome Plated Zinc

Hollow — for 3/4 inch O.D. Tubing

Height Inches	Diam. Base Inches	Screw Size	Weight Ounces
1 1/4	1 1/4	6	2 3/4

Standard Package, Fig. 1297.—4 pcs. Fig. 1298—2 pcs.

**GRAB RAIL POSTS — Figs. 1337 & 1347**

Chrome Plated Zinc and Black Plastic

For rectangular Tubing, Fig. 1339

Fig.	Height Inches	Base Inches	Screw Size	Standard Package	Weight Ounces
1337	1 1/2	1 3/8 x 1 1/8	1/4	1	3
Fig.	Height Inches	Base Inches	Stud Size	Standard Package	Weight Ounces
1347	1 1/2	1 3/8 x 1 1/8	1/4 x 1/4	1	4

**ANODIZED ALUMINUM TUBING — Fig. 497**

Outside Diam. Inches	Length Feet	Standard Package*	Weight Ounces
3/4	6	3	10

**STAINLESS STEEL TUBING — Figs. 498 & 916**

Polished Stainless Steel 18-8

Fig.	Outside Diam. Inches	Length Feet	B & S Gauge	Standard Package*	Weight Pounds
498	1	6	20	3	2 1/4
916	3/4	6	18	3	2 3/4

**ANODIZED ALUMINUM TUBING — Fig. 1339**

Outside Dimensions Inches	Length Feet	Standard Package*	Weight Pounds
1 1/2 x 3/4	6	5	1

\*Note: All Above Tubing Sold only in Standard Packages



RAIL FITTINGS

Chrome Plated Bronze  
With Stainless Steel Allen Set Screws — For 7/8 inch O.D. Tubing

**ROUND ANGLE BASE — Fig. 992**

Diameter	Angle	Height	Bolt	Weight
Base	Degrees	Inches	Size	Ounces
Inches				
2 5/8	60	1 3/4	1/4	8



Fig. 992

**ROUND STRAIGHT BASE — Fig. 973**

Diameter	Height	Bolt	Weight
Base	Inches	Size	Ounces
Inches			
2 5/8	1 5/8	1/4	7



Fig. 973

**RECTANGULAR ANGLE BASE — Fig. 981**

Dimensions	Angle	Height	Bolt	Weight
Base	Degrees	Inches	Size	Ounces
Inches				
2 7/8 x 1 3/4	60	1 3/4	1/4	8

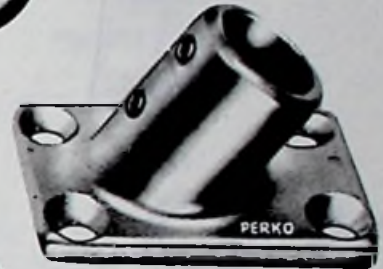


Fig. 981

**RECTANGULAR STRAIGHT BASE — Fig. 977**

Dimensions	Height	Bolt	Weight
Base	Inches	Size	Ounces
Inches			
2 3/4 x 1 3/4	1 5/8	1/4	6 1/2



Fig. 977

**ANGLE TEE — Fig. 990**

Port or Starboard	Angle	Height	Bolt	Weight
Length	Degrees	Inches	Size	Ounces
Inches				
2	60	2 3/8	1/4	6



Fig. 990

PLEASE SPECIFY PORT OR STARBOARD, ILLUSTRATION IS STARBOARD SIDE.

**STRAIGHT TEE — Fig. 989**

Length	Height	Bolt	Weight
Inches	Inches	Size	Ounces
2	2	1/4	6



Fig. 989

**BOW FORM — Fig. 993**

With 3/4" Flag Pole Socket

Width	Angle	Weight
Overall	Degrees	Ounces
Inches		
4 1/4	110	12 1/2



Fig. 993

**GRAB RAILS — Fig. 936**

18-8 Stainless Steel 7/8" Tubing  
Chrome Plated Brass Ends  
Chrome Plated Bronze Bases

No.	Length Overall	Height Under Tubing	Bolt Size	Weight Pounds
	Inches	Inches		
1	12	1 1/4	8	1
2	18	1 1/4	8	1 1/4

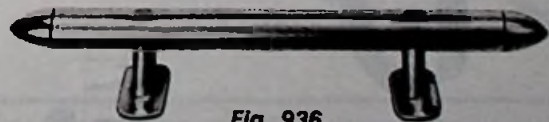


Fig. 936



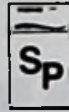
Fig. 1299

**FENDER LOCK — Fig. 1299**

**Chrome Plated Zinc**

Eye is permanently attached to fender line for quick and easy installation.

Diameter Flange Inches	I.D. Eye Inches	Screw Size	Standard Package	Weight Ounces
1½	¾	8	10	1



This item available in SKIN PACK, See Section L.

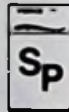


Fig. 1246

**FENDER HOOK — Fig. 1246**

**Chrome Plated Zinc**

For Rope Diam. Inches	Size Plate Inches	Screw Size	Standard Package	Weight Ounces
¾	1¾ x 1¼	6	10	1¼



This item available in SKIN PACK, See Section L.



Fig. 1309

**SNAP TYPE FENDER HOOK — Fig. 1309**

**Chrome Plated Zinc**

For Rope Diam. Inches	Size Plate Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
¾	1½ x 1¼	6	10	100	1½

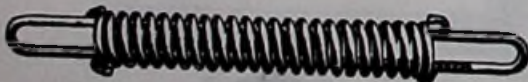


Fig. 759

**DOCK LINE SPRINGS — Fig. 759**

A strong Compression Spring designed to relieve strain on dock or mooring lines

No.	For Rope Diam. Inches	Length Overall Inches	Diameter Inches	Compression Inches	Standard Package	Weight Pounds
1	½	10	1½	4½	5	¾
2	¾	18	2	8	1	2¾

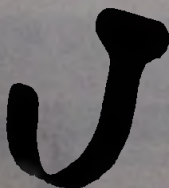


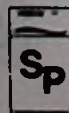
Fig. 1017

**RING BUOY HOLDER — Fig. 1017**

**Wrought Brass**

**Plain Brass or Chrome Plated Brass**

Width Mounting Plate Inches	Height Overall Inches	Screw Size	Weight Pounds
3	4½	8	½



This item available in SKIN PACK, See Section L.



**FAST EYE BOAT SNAPS — Fig. 612**

**Cast Bronze**

Size No.	Eye Inches	Length Inches	Standard Package	Weight Per 100 Pounds
0	3/8	2 1/4	10	6 1/4
1	3/8	2 3/8	10	12
2	3/4	3	10	13 1/2
3	3/4	3 3/8	10	24



Fig. 612

**SWIVEL EYE BOAT SNAPS — Fig. 613**

**Cast Bronze**

Size No.	Eye Inches	Length Inches	Standard Package	Weight Per 100 Pounds
1	3/16	3 1/4	10	12 1/2
2	1 1/16	3 3/8	10	16
3	3/4	4 3/8	10	30



Fig. 613

**SWIVEL EYE SNAP — Fig. 659**

**Cast Bronze**

Eye Inches	Length Inches	Inside Diam. Hook Inches	Standard Package	O.E.M. Package	Weight Ounces
3/4	3 1/2	7/16	25	100	2 1/2

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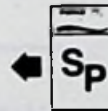


Fig. 659

**SWIVEL EYE SNAP — Fig. 1289**

**Chrome Plated Zinc  
Interlocking Tongue**

Eye Inches	Length Inches	Standard Package	O.E.M. Package	Weight Per 100 Pounds
3/8	3	25	100	12 1/2

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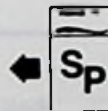


Fig. 1289

**FAST EYE BABY SNAP — Fig. 842**

**Cast Bronze**

Eye Inches	Length Inches	Standard Package	Weight Ounces
3/8	1 1/4	50	1/2



Fig. 842

**SWIVEL EYE BABY SNAPS — Figs. 1041 & 1042**

**Cast Bronze**

Fig.	Eye Inches	Length Inches	Standard Package	Weight Ounces
1041	5/8 x 5/16	1 1/4	50	1/2
1042	3/4	2 1/4	50	1/2



Fig. 1041



Fig. 1042

NOTE: THE SNAPS ILLUSTRATED ON THIS PAGE SHOULD NOT BE USED FOR LIFTING, WINCHING, TOWING OR MOORING, OR LIKE APPLICATIONS.



Fig. 614

**FAST EYE SNAP HOOK — Fig. 614**  
**18-8 STAINLESS STEEL — Non Magnetic**  
**Interlocking Tongue**

Length Inches	I.D. Eye Inches	Diam. Steel Inches	Standard Package	Weight Ounces
3	3/8	5/16	10	2 1/2

SAFE WORKING LOAD 350 POUNDS

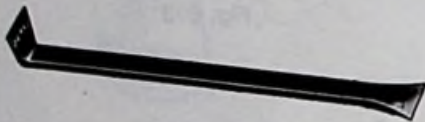


Fig. 1175

**DOUBLE END SCRAPER — Fig. 1175**

**Steel — Heat Treated**

Length Inches	Width Inches	Thick- ness Inches	Width Blade Inches	Standard Package	Weight Pounds
15	1	1/4	1 1/4	5	1



Fig. 307

**CAULKING IRONS — Fig. 307**

**Malleable Iron**

Size No.	Thickness Inches	Length Inches	Width Blade Inches	Standard Package	Weight Ounces
00	1/32	5	2	10	5
0	1/16	5 1/2	2 1/2	10	6 1/2
1	1/8	5 3/4	2 3/4	10	7



Fig. 411

**SAIL MAKERS PALM — Fig. 411**

**Hide Mounted — Right Hand**

Standard Package	Weight Ounces
10	2

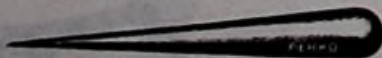


Fig. 923

**WOOD HAND FIDS — Fig. 923**

**Varnished maple**

No.	Size Inches	Standard Package	Weight Ounces
0	12 x 1 1/4	2	4 1/2
1	14 x 1 3/4	2	6 1/2
2	16 x 2	2	8
3	18 x 2	2	8 1/2
4	20 x 2 1/4	2	14



**ANCHOR SHACKLES — Fig. 314**  
**Galvanized Drop Forged Steel — Screw Pin Type**

No.	Size Inches	Standard Package	Weight Per 100 in Pounds	Safe Working Load Pounds
1	3/16	10	7	400
2	1/4	10	11	600
3	5/16	10	20	800
4	3/8	10	31	1400
5	7/16	10	47	1800
6	1/2	10	68	2400
7	5/8	5	137	3800



Fig. 314

**WIRE ROPE THIMBLES — Fig. 466**  
**Zinc Plated Or Stainless Steel**

No.	For Rope Diam. Inches	Standard Package	Weight Per 100 in Pounds
1	1/8	20	2 3/8
2	3/16	20	2 5/8
3	1/4	20	4 3/8
4	5/16	20	5 1/2
5	3/8	20	10 5/8
6	1/2	20	15 1/2
7	5/8	10	27 1/2
8	3/4	10	40
9	7/8	10	55
10	1	10	79



Fig. 466

Note: Sizes 7 through 10 available in Zinc Plated Steel only.

**"S" HOOKS — Fig. 680**  
**Galvanized Wrought Steel**

No.	Nominal Size Inches	Length Overall Inches	Standard Package	Weight Per 100 in Pounds
1	3/16	1 1/2	50	2 3/4
2	1/4	2	50	7
3	5/16	2 1/2	50	14 1/2
4	3/8	3	50	18 3/4

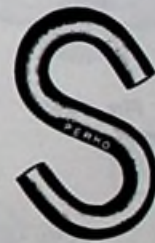


Fig. 680

**PETITE TURNBUCKLES — Fig. 396**  
**Bronze**  
**For Light Duty Applications — S.A.E. Threads**

No.	Diam. Thread Inches	Length Extended Inches	Standard Package	Weight Per 100 in Pounds
1	1/8	3/4	5	3
3	1/4	1 1/2	5	11 1/2
4	5/16	1 3/4	5	15
5	3/8	2 1/4	5	24 1/2

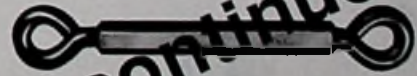


Fig. 396

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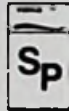
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Fig. 565

**TILLER ROPE PULLEY — Fig. 565**  
**Stainless Steel — White Plastic Sheave**  
**Swivel Type with Strap — For 1/4" Rope**

Diam. Sheave Inches	Length Overall Inches	Strap Inches	Screw Size	Standard Package	Weight Ounces
2 5/16	3 3/4	1 1/2	10 R.H.	10	2



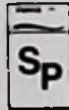
This item available in SKIN PACK, See Section L.



Fig. 634

**TILLER ROPE PULLEY — Fig. 634**  
**Stainless Steel — White Plastic Sheave**  
**Swivel Snap Hook Type — For 1/4" Rope**

Diam. Sheave Inches	Length Overall Inches	Snap Throat Opening Inches	Standard Package	Weight Ounces
2 5/16	4 3/4	1/2	10	2 1/2



This item available in SKIN PACK, See Section L.



Fig. 1255

**TILLER ROPE PULLEY — Fig. 1255**  
**Chrome Plated Zinc — White Plastic Sheave**  
**Coaming Type — For 1/4" Rope**

Diam. Sheave Inches	Dimensions of Plate Inches	Screw Size	Standard Package	Weight Ounces
2 5/16	4 7/8 x 1 1/4	8	10	2 1/2



Fig. 1256



Fig. 1261

**TILLER ROPE GUIDES — Figs. 1256 & 1261**  
**Chrome Plated Zinc**

Size Hole Inches	Size Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
5/16	1 1/4 x 3/4	6	25	100	1/2



Fig. 1243

**TILLER ROPE GUIDE — Fig. 1243**  
**Chrome Plated Zinc — White Plastic Sheave**

Diam. Sheave inches	For Diam. Rope Inches	Size Base Inches	Screw Size	Standard Package	Weight Ounces
1/2	1/4	2 x 3/4	8	10	1 3/4



**TILLER ROPE CLAMPS — Figs. 358 & 1226**  
**For 1/8" and 3/16" Rope**

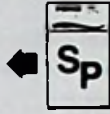
Fig. 358—Pressure Cast Bronze — Plain or Chrome Plated  
 Fig. 1226—Die Cast Zinc — Natural or Chrome Plated

Fig.	Length Inches	Width Inches	Standard Package	Weight Ounces
358	1 1/4	1 1/16	20	1
1226	1 1/4	1 1/16	50	1

Fig. 1226 Chrome available is SKIN PACK, See Section L.



Fig. 358 Bronze  
 Fig. 1226 Zinc



**TILLER ROPE TIGHTENERS — Figs. 732 & 754**

Fig. 732-C—Cadmium Plated Steel  
 Fig. 732-SS—18-8 Stainless Steel  
 Fig. 754—Cadmium Plated Steel

Fig.	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Standard Package	Weight Ounces
732-C	4	5	1	10	3 1/2
732-SS	4	5	1	10	2 1/4
754	4 3/4	6 1/2	7/8	25	3

Figs. 732-C & 732-SS available is SKIN PACK, See Section L.



Fig. 732-C  
 Fig. 732-SS

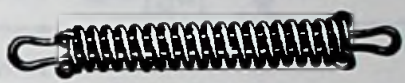
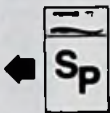


Fig. 754



**FLANGE EYE — Fig. 1236**

Chrome Plated Zinc

Size Opening Inches	Size Base Inches	Screw Size	Standard Package	Weight Ounces
3/4	2 5/16 x 1 1/16	6	10	1



Fig. 1236

**EYE STRAPS — Figs. 562 & 1242**

Fig. 562—18-8 Stainless Steel  
 Fig. 1242—Chrome Plated Zinc

Fig.	Length Inches	Size Eye Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
562	1 1/8	1/4	10 R.H.	50	100	1/4
1242	1 1/8	5/16	8	50	100	1/4

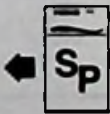
Fig. 1242 available is SKIN PACK, See Section L.



Fig. 562



Fig. 1242



**EYE STRAPS — Fig. 881**

Forged Bronze — Natural Bronze or Chrome Plated Bronze

No.	Length Inches	Size Eye Inches	Stock in Eye Inches	Screw Size	Standard Package	Weight Ounces
0	1 1/8	1/4	1/4	8	50	1/2
1	2 1/4	5/16	5/32	10	50	3/4
2	2 3/4	1/2	5/16	10	25	1 1/2



Fig. 881

## CHROMALEX® HANDLES — FIGS. 1336 & 1346

Chrome Plated Zinc and Black Plastic

Fig. 1336 for 1/4" Screws

Fig. 1346 with Studs, Nuts and Washers

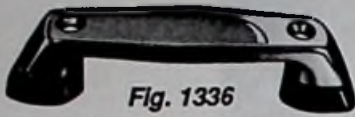


Fig. 1336

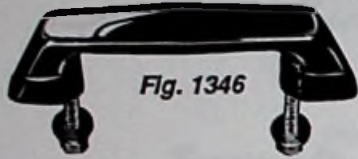
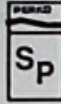


Fig. 1346



Length Overall Inches	Length Inside Inches	Height Inside Inches	Stud Size	Standard Package	Weight Ounces
6-1/4	3-1/2	1	1/4-20 X 1-1/2	1	10

Fig. 1336 available in SKIN PACK, See Section L.

### HANDLE — FIG. 1229

Chrome Plated Zinc

Length Overall Inches	Length Inside Inches	Height Inside Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
5-1/4	3-1/2	1-1/2	6	10	100	2-1/4

This item available in SKIN PACK, See Section L.

### HANDLE — FIG. 1231

Chrome Plated Zinc

Length Overall Inches	Length Inside Inches	Height Inside Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
6	3-1/2	1-5/16	1/4"	10	100	7-1/4

This item available in SKIN PACK, See Section L.

### HANDLES — FIG. 775 & 1222

Fig. 775 — Chrome Plated Bronze

Fig. 1222 — Chrome Plated Zinc

Fig.	No.	Height Inside Inches	Length Overall Inches	Length Inside Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
775	1	7/8	4-1/4	2-5/8	6	10	50	2
775	2	1-3/8	5-3/4	3-3/4	8	10	—	4
1222	—	1-1/4	5-3/4	3-3/4	8	10	100	3-1/2

Fig. 775 No. 2 available in SKIN PACK, See Section L.

### HANDLE — FIG. 1234

Chrome Plated Zinc

Length Inches	Height Above Deck Inches	Screw Size	Standard Package	Weight Ounces
6-1/2	2	8	10	5-1/2

### ANCHOR CHOCKS — FIGS. 933 & 971

Cast Bronze — Plain Bronze or Chrome Plated Bronze

Fig. 933 — Fits Danforth® Type Anchors up to 20 Pounds.

Fig. 971 — Fits Danforth® Type Anchors from 22 to 90 Pounds.

Set consists of four parts illustrated.

Screw Size	Standard Package	Weight Per Set Pounds
10	5 Sets	2

Figs. 931 & 971 Chrome Plated available in SKIN PACK, See Section L.



Fig. 775 — Chrome Plated Bronze  
Fig. 1222 — Chrome Plated Zinc

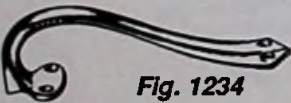
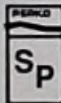


Fig. 1234



Figs. 933 & 971





# SECTION J

# PERKO®

**door & cabinet**

**hardware**

**locks**

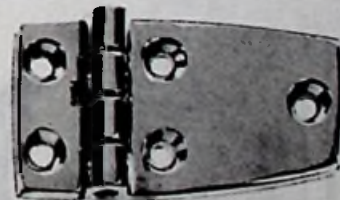
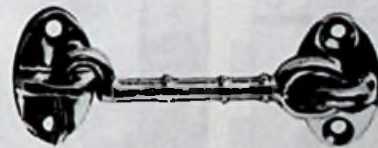
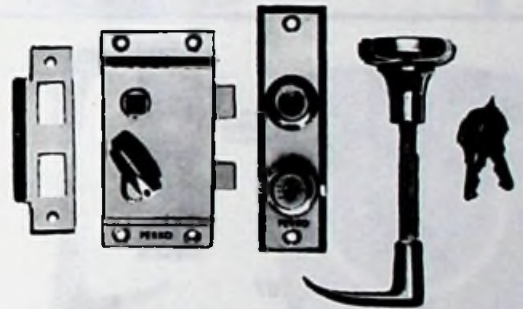
**latches**

**bolts**

**hinges**

**hasps**

**top fittings**



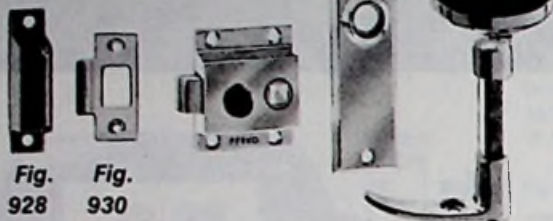
MANUFACTURED BY PERKO, INC., 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164-0414  
FOR COMPLETE LINE SEE CATALOG NO. 250



**RIM LATCH SETS — Figs. 928 & 930**

Chrome Plated Zinc

**Fig. 928 — Regular Bevel with Box Strike**  
**Fig. 930 — Reverse Bevel with Flush Strike**  
 Locked by slide button from inside, no keys.

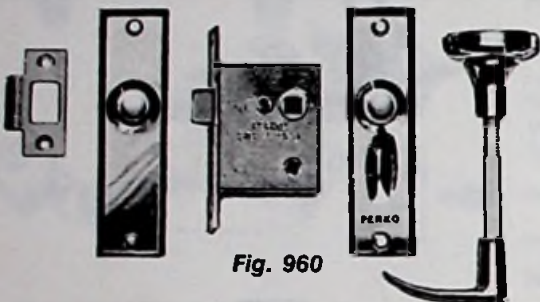


Size Case Inches	Size Escutcheon Inches	For Door Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2½ x 1¼	4¾ x 1¼	¾-1½	6	1	20	¾

**MORTISE LATCH SET — Fig. 960**

Chrome Plated Zinc

Locked by dead bolt from inside, no keys.

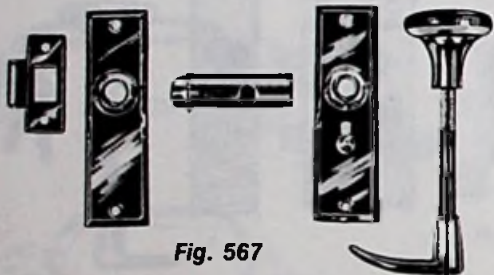


Size Case Inches	Size Escutcheon Inches	For Door Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2½ x 1 11/16	4¾ x 1¼	1-1½	6	1	10	1

**TUBULAR LATCH SET — Fig. 567**

Chrome Plated Zinc

Locked by slide button from inside, no keys.

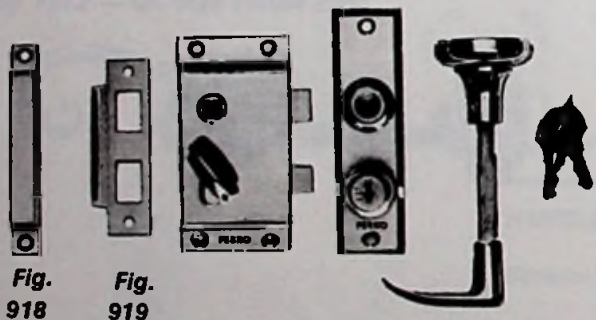


Size Escutcheon Inches	Diam. Tube Inches	For Door Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
4¾ x 1¼	¾	1-1½	6	1	25	¾

**RIM LOCK SETS — Figs. 918 & 919**

Chrome Plated Zinc

**Fig. 918 — Regular Bevel with Box Strike**  
**Fig. 919 — Reverse Bevel with Flush Strike**  
 Locked by dead bolt from inside, or key from outside.

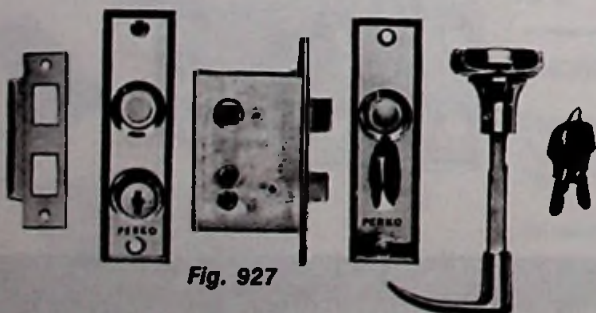


Size Case Inches	Size Escutcheon Inches	For Door Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
3¾ x 2	4¾ x 1¼	¾-1½	6	1	20	1¼

**MORTISE LOCK SET — Fig. 927**

Chrome Plated Zinc

Locked by dead bolt from inside or key from outside.



Size Case Inches	Size Escutcheon Inches	For Door Inches	Screw Size	Standard Package	O.E.M. Package	Weight Pounds
2¼ x 2	4¾ x 1¼	1-1½	6	1	10	1¼



Figs. 918, 919, 928, AND 930 ARE AVAILABLE IN DISPLAY PACK, SEE SECTION "L".



**NEW RIM LATCH SETS — Figs. 1279 & 1280**

**Flush Cup Type**

**Chrome Plated Zinc**

**Fig. 1279 — Regular Bevel with Box Strike**

**Fig. 1280 — Reverse Bevel with Flush Strike**

Locked by slide button from inside, no keys.

Supplied with black plastic spacer for optional surface mounting.

Size Case Inches	Size Cup Inches	For Door Inches	Screw Size Case	Screw Size Cup	Weight Pounds
2 1/16 x 1 3/4	2 1/4	3/4-1 1/4	6	8	1

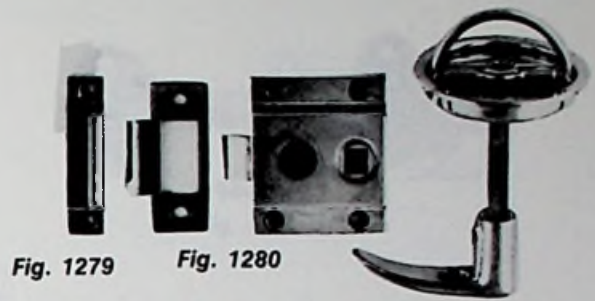


Fig. 1279

Fig. 1280

**NEW FLUSH LOCK — Fig. 931**

**Black Plastic and Chrome Plated Zinc**

Locking Type with Stainless Steel Tumbler Assembly

Supplied with two keys.

**No. 1 with Flush Cam Bar and Flexible Plastic Strike Plate.**

**No. 2 with Offset Adjustable Cam Bar**

Face Plate Inches	For Door Inches	Latch Bar Adjustment Inches	Weight Ounces
2 1/2 x 2 1/2	1/4-1 1/4	3/4-3	6



Fig. 931



Fig. 932

**NEW FLUSH LATCH — Fig. 932**

**Non Locking Type**

**No. 1 with Flush Cam Bar and Flexible Plastic Strike Plate**

**No. 2 with Offset Adjustable Cam Bar**

This unit is the same design as Fig. 931 except without lock.

**FLUSH LOCK — Fig. 921**

**Chrome Plated Zinc**

Locking Type with Stainless Steel Tumbler Assembly

Supplied with two keys.

Size Inches	For Door Inches	Weight Ounces
2 1/4 x 2	1/2-3/4	8

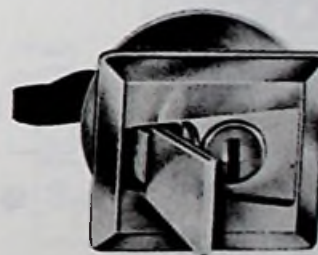


Fig. 921

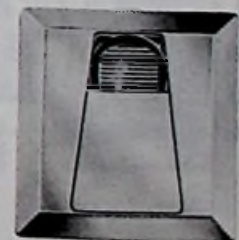


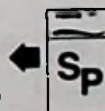
Fig. 922

**FLUSH LATCH — Fig. 922**

**Non Locking Type**

This unit is the same design as Fig. 921 except without lock.

Figs. 921 and 922 Available in Skin Pack, See Section L.



**LATCH — Fig. 948**

**Chrome Plated Zinc with Sliding Lock Button**

Overall Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2 1/4 x 2 1/4	6	5	25	6

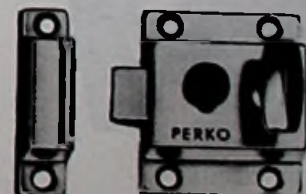


Fig. 948

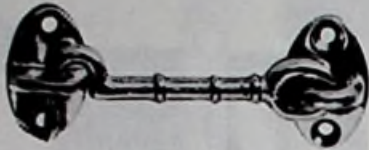


Fig. 956

**CABIN DOOR HOOKS — Fig. 956**  
Plain Bronze or Chrome Plated Bronze

No.	Length Hook Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	1½	6	5	50	1
2	2	6	5	50	1½
3	2½	6	5	50	1¾
4	3	6	5	50	2
5	3½	6	5	50	2½
6	4	6	5	50	3
7	5	6	5	50	3½
8	6	6	5	50	5

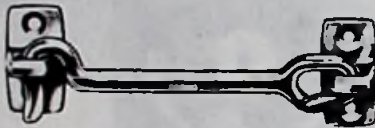
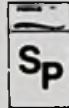


Fig. 1199

**CABIN DOOR HOOKS — Fig. 1199**

Chrome Plated Zinc

No.	Length Hook Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	1¾	6	20	50	1¾
2	2¼	6	20	50	1¾
3	3	6	20	50	1½
4	4	6	20	50	1¾



➔ Fig. 1199 No. 1 Available in Skin Pack, See Section L.

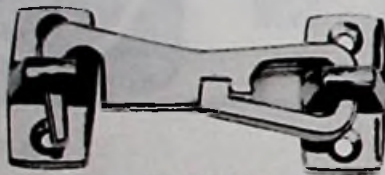


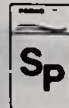
Fig. 1287

**CABIN DOOR HOOKS — Fig. 1287**

Chrome Plated Zinc

Patent No. 197,531

No.	Length Hook Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	2	6	20	50	1¾
2	2½	6	20	50	1¾
3	3	6	20	50	1¾



➔ Fig. 1287 No. 2 Available in Skin Pack, See Section L.



Offset



Flush

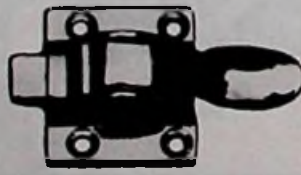


Fig. 1102

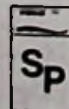
**CUPBOARD CATCHES — Fig. 1102**

Chrome Plated Zinc

No. 1 Supplied with Flush Strike

No. 2 Supplied with Offset Strike

No.	Overall Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	1½ x 1¾	6	5	50	3½
2	1½ x 1¾	6	5	50	3½



➔ This Item Available in Skin Pack, See Section L.



Fig. 1051

**FLUSH RING CATCH — Fig. 1051**

Chrome Plated Zinc — Phosphor Bronze Spring

Size Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2½ x 1¾	6	10	25	1½



**\*IMPROVED BARREL BOLTS — Fig. 947**

**Plain Bronze or Chrome Plated Bronze**

\*Supplied with Black Friction Pad to eliminate rattle and provide smooth operation.

No.	Length Rod Inches	Dimensions Overall Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	2¾	3½ x 1½	6	5	25	4
2	3	4½ x 1½	6	5	25	4
3	4¼	5¼ x 1½	6	5	25	5

Fig. 947 No. 2 Chrome Plated Available in Skin Pack, See Section L.

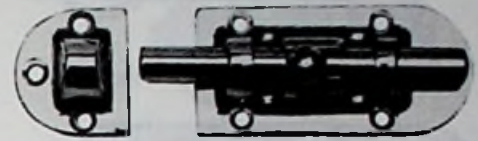
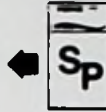


Fig. 947



**SHIP BOLT — Fig. 1053**

**Chrome Plated Bronze**

Overall Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2½ x 1¼	6	5	25	1¼



Fig. 1053

**CUPBOARD BOLT — Fig. 1101**

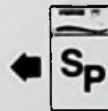
**Chrome Plated Zinc - Black Plastic Slide and Knob**

Overall Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2½ x 1½	6	5	50	2

This Item Available in Skin Pack, See Section L.



Fig. 1101



**DOOR BUTTONS — Figs. 1216 & 1217**

**Chrome Plated Zinc — Black Plastic Knob**

	Overall Diameter Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
Fig. 1216	1¼	6	10	50	1½
Fig. 1217	1¼	6	10	50	1½

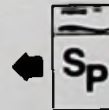
Fig. 1216 Available in Skin Pack, See Section L.



Fig. 1216 With Spring



Fig. 1217 Without Spring



**CUPBOARD TURN — Fig. 978**

**Chrome Plated Zinc**

Overall Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2½ x 2¾	6	5	25	5

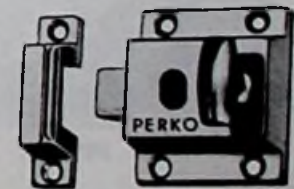


Fig. 978

**FASTENER — Fig. 719**

**Chrome Plated Brass with Black Plastic Knob**

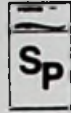
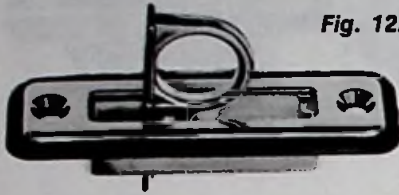
Length Angle Inches	Width Angle Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1¼	1	8	5	25	3



Fig. 719



Fig. 1221



**FLUSH PULL — Fig. 1221**

**Chrome Plated Zinc — with Black Plastic Finishing Flange**  
**Spring Loaded — Can be Mounted Horizontally or Vertically**

Dimensions Inches	Screw Size	Standard Package	O.E.M Package	Weight Ounces
¼ x 3¼	8	5	50	3

This Item Available in Skin Pack, See Section L.

**NEW FLUSH RING PULLS — Fig. 1232**

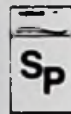
**Chrome Plated Zinc**

No.	Diameter Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	1½	6	5	50	1
2	2	6	5	50	1½

Fig. 1232 No. 1 Available in Skin Pack, See Section L.



Fig. 1232



**ELBOW CATCH — Fig. 1056**

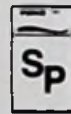
**Chrome Plated Zinc**

Dimensions Inches	Screw Size	Standard Package	O.E.M Package	Weight Ounces
1½ x ¾	6	10	50	¾

This Item Available in Skin Pack, See Section L.



Fig. 1056

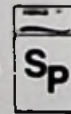


**ELBOW CATCH — Fig. 1021**

**Black Plastic**

Dimensions Inches	Screw Size	Standard Package	O.E.M Package	Weight Ounces
1½ x ¾	6	10	50	½

This Item Available in Skin Pack, See Section L.



**MAGNETIC DOOR CATCH — Fig. 560**

**Corrosion Resistant Finish Retards Rusting**

Dimensions Inches	Screw Size	Standard Package	O.E.M Package	Weight Ounces
1¾ x ½	4	25	100	½

**DOOR CATCH — Fig. 554**

**White Plastic — Stainless Steel Spring**

**Brass Chrome Plated Screws — 18 Pound Pull**

Length Catch Inches	Length Ball Head Screw Inches	Standard Package	O.E.M Package	Weight Ounces
1¾	¾	25	100	¼

**DOOR CATCH — Fig. 559**

**Black Plastic**

Stud Size Inches	Catch Size Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per 100 Pounds
1½ x ¾	1¾ x ¾	4	25	100	1

This Item Available in Skin Pack, See Section L.



Fig. 559

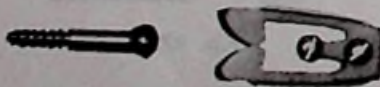
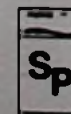


Fig. 554



Fig. 560



**NEW FLUSH RING PULLS — Figs. 1286 & 1288**

**Chrome Plated Zinc**

*Fig. 1286 with Black Plastic Spacer for Surface Mounting*  
*Fig. 1288 for Flush Mounting*

Diameter Inches	Screw Size	Standard Package	Weight Ounces
2 1/4	8	5	3 1/2



**Fig. 1286**

**Fig. 1288**

**FLUSH RING PULL — Fig. 841**

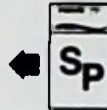
**Chrome Plated Zinc**

Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1 3/4 x 1 3/4	6	10	50	1



**Fig. 841**

This Item Available in Skin Pack, See Section L.



**FLUSH RING PULL — Fig. 1103**

**Chrome Plated Bronze**

Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2 1/8 x 2	8	5	50	3 1/2



**Fig. 1103**

**FLUSH LIFTING PULL — Fig. 575**

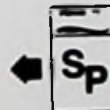
**Chrome Plated Bronze**

Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2 1/8 x 2	8	5	50	3



**Fig. 575**

This Item Available in Skin Pack, See Section L.



**FLUSH LIFTING HANDLES — Fig. 776**

**Plain Bronze or Chrome Plated Bronze**

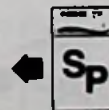
No.	Dimensions Inches	Inside Handle Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	3 x 2 1/4	1 1/4 x 1	8	5	25	3 1/2
2	3 3/4 x 2 3/4	2 3/8 x 1 3/8	8	5	25	5 1/2



**Fig. 776**

Size No. 2 has mounting holes at corners. Illustration is Size No. 1.

*Fig. 776 No. 1 Chrome Plated Available in Skin Pack, See Section L.*



**FLUSH LIFTING HANDLE — Fig. 1220**

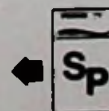
**Chrome Plated Zinc**

Dimensions Inches	Inside Handle Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3 x 2 1/4	1 1/4 x 1	8	5	50	3



**Fig. 1220**

This Item Available in Skin Pack, See Section L.





Side Mount

Fig. 1290



Offset Mount

Fig. 1291

**WINDSHIELD ADJUSTERS — Figs. 1290 & 1291**

Chrome Plated Zinc — Black Plastic Knobs

Fig. 1290 — Side Mount

Fig. 1291 — Offset Mount

Length Overall Inches	Length Adjustment Inches	Diam. Knob Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Pounds
12	9½	1¼	8	1 Pr.	10 Pr.	1½

NOTE: When ordering 1/2 pair, specify for Port or Starboard Side. Illustration is Port side.

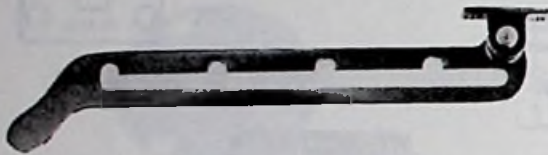


Fig. 82

**WINDSHIELD ADJUSTER — Fig. 82**

Chrome Plated Bronze

Length Overall Inches	Length Adjustment Inches	Screw Size	Weight Per Pair Pounds
12	9½	8	2½

NOTE: When ordering 1/2 pair, specify for Port or Starboard side. Illustration is Starboard side.

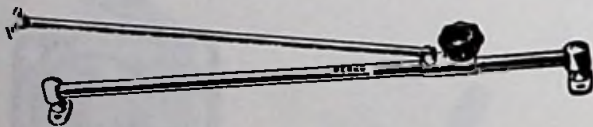


Fig. 360

**WINDSHIELD ADJUSTER — Fig. 360**

Chrome Plated Brass and Zinc

Length Base Overall Inches	Length Windshield Arm Inches	Length of Adjustment Inches	Bracket Screw Size	Deck Socket Screw Size	Weight Pounds
27½	23	22½	8	6	3¾

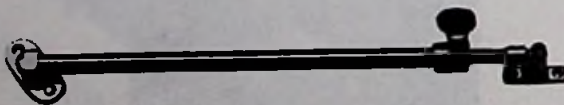


Fig. 1179

**WINDSHIELD ADJUSTERS — Fig. 1179**

Chrome Plated Brass and Zinc

Black Plastic Knob

No.	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	10	18	½	6	1	20	9
2	12	20	½	6	1	20	11

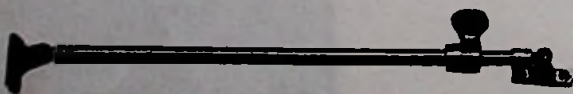


Fig. 1180

**WINDSHIELD ADJUSTER — Fig. 1180**

Chrome Plated Brass and Zinc

Black Plastic Knob

Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
12	21	½	6	1	20	10



**WINDSHIELD ADJUSTERS — Fig. 1116**

**Chrome Plated Brass and Zinc**

**Black Plastic Knob**

No.	Length Inches	Diam. Rod Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	8	3/8	8	1	20	8
2	10	3/8	8	1	20	10
3	12	3/8	8	1	20	12



Fig. 1116

**HATCH ADJUSTER — Fig. 797**

**Chrome Plated Brass and Zinc**

**Black Plastic Knob**

Length Arm Inches	Length Adjustment Inches	Length Slide Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
10	9 1/2	10 3/4	8	1	10	13



Fig. 797

**HATCH FASTENER or WINDSHIELD KEEPER — Fig. 155**

**Chrome Plated Brass — with Phosphor Bronze Spring**

Length Overall Inches	Size of Mounting Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3 3/4	1 1/2 x 3/16	6	5	50	3 3/4



Fig. 155

**HATCH FASTENER or WINDSHIELD KEEPER — Fig. 697**

**Chrome Plated Brass and Zinc**

Dimensions Keeper Inches	Dimensions Plate Inches	Standard Package	Weight Ounces
1 1/2 x 3/8	1 1/2 x 3/4	10	3



Fig. 697

**HATCH FASTENER or WINDSHIELD KEEPER — Fig. 769**

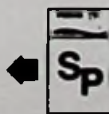
**Chrome Plated Brass and Zinc — with Black Plastic Handle**

Dimensions Base Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1 1/2 x 3/8	8	10	25	3



Fig. 769

This Item Available in Skin Pack, See Section L.



**HATCH FASTENER or WINDSHIELD KEEPER — Fig. 967**

**Chrome Plated Bronze**

Dimensions Keeper Inches	Dimensions Plate Inches	Screw Size	Standard Package	Weight Ounces
1 3/16 x 1	1 3/8 x 3/8	8	5	6



Fig. 967



Fig. 1112

**HOLD-DOWN CLAMPS — Figs. 1112 & 1113**

**Chrome Plated Bronze**

**Flat Mounting Fig. 1112**

Length Inches	Width Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3	1½	8	5	25	5½



Fig. 1113

**Angle Mounting Fig. 1113**

Length Inches	Width Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2½	1½	8	5	25	5½



➡ Above Items Available in Skin Pack, See Section L.

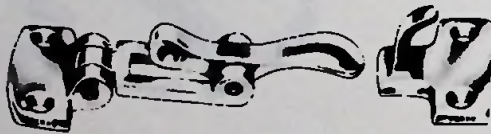


Fig. 1108

**ANTI-RATTLE FASTENER — Fig. 1108**

**Chrome Plated Bronze**

Dimension Base Inches	Padlock Clearance Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2¾ x 1¼	¼	6	5	25	4

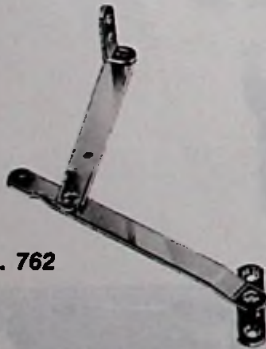


Fig. 762

**HATCH SUPPORT BRACES — Fig. 762**

**Chrome Plated Brass**

No.	Length Open Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
1	10	8	1 Pr.	20 Pr.	10
2	12	8	1 Pr.	20 Pr.	12
3	14	8	1 Pr.	20 Pr.	14



Fig. 770

**HATCH FASTENER — Fig. 770**

**Chrome Plated Bronze**

Dimension Overall Inches	Width Inches	Adjustment Thread Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3¾	1¾	2¼	8	5	25	6



**SLIDING WINDOW HANDLE — Fig. 954**  
**Polished Stainless Steel**

Length Inches	For Glass Inches	Standard Package	Weight Ounces
3	1/4	5	1



Fig. 954

**SLIDING WINDOW STOP — Fig. 935**  
**Chrome Plated Zinc**

Mounting Plate Inches	Length Stopping Plate Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1 1/4 x 3/4	1 1/2	8	5	50	2



Fig. 935

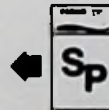
**SLIDING WINDOW LOCK AND ANTI-RATTLER — Fig. 937**  
**Chrome Plated Zinc with Black Plastic Knob and Tip**

Height Overall Inches	Mounting Plate Inches	Adjustment Inches	Screw Size	Standard Package	Weight Ounces
1 1/4	1 x 3/4	1 1/4	6	5	1 1/4



Fig. 937

This Item Available in Skin Pack, See Section L.



**SLIDING WINDOW LOCK and ANTI RATTLER — Fig. 934**  
**Chrome Plated Zinc with Black Plastic Knob and Tip**

Height Overall Inches	Mounting Plate Inches	Adjustment Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	2 x 3/4	1 1/4	6	5	50	1 1/4



Fig. 934

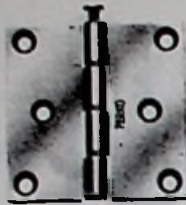


Fig. 1293

**BUTT HINGES — Fig. 1293**

**Chrome Plated Zinc — with Removable Pin**

No.	Pin Height Inches	Width Open Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
2	1½	1½	8	5 Pr.	—	2
3	2	1½	8	5 Pr.	—	2½
4	2	2	8	5 Pr.	50 Pr.	3
5	2½	2	8	5 Pr.	—	4½
6	2½	2½	8	5 Pr.	—	5
7	3	3	10	5 Pr.	25 Pr.	7½

Sizes 2-3-4 have 4 Screw Holes, Sizes 5-6-7 have 6 Screw Holes.

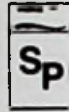


Fig. 1293 No. 4 Available in Skin Pack, See Section L.



Fig. 952

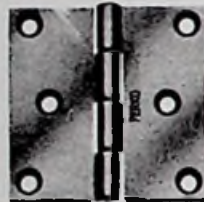


Fig. 949

**BUTT HINGES — Fig. 952 & 949**

**Heavy Gauge Wrought Brass**

**Plain Brass or Chrome Plated Brass**

Fig. 952 has a Removable Pin

Fig. 949 has a Fast Pin

No.	Pin Height Inches	Width Open Inches	Screw Size	Standard Package	O.E.M. Package Chrome	Weight Per Pair Ounces
1	1½	1¼	8	5 Pr.	25 Pr.	2
2	1½	1½	8	5 Pr.	25 Pr.	2½
3	2	1½	8	5 Pr.	25 Pr.	2¼
4	2	2	8	5 Pr.	25 Pr.	4
5	2½	2	8	1 Pr.	25 Pr.	5
6	2½	2½	8	1 Pr.	25 Pr.	6¼
7	3	3	10	1 Pr.	25 Pr.	9½

Sizes 1-2-3 have 4 Screw Holes, Sizes 4-5-6-7 have 6 Screw Holes.



Fig. 120



Fig. 122

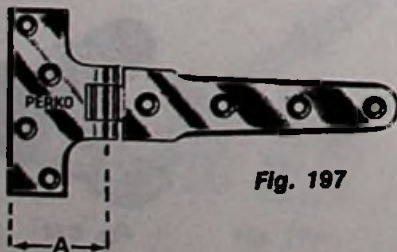


Fig. 197

**STRAP HINGES — Fig. 120**

**Plain Bronze or Chrome Plated Bronze**

No.	Length Open Inches	Width At Pin Inches	Screw Size	Standard Package	O.E.M. Package Chrome	Weight Per Pair Ounces
1	4	1½	10	5 Pr.	25 Pr.	6
2	6	1½	10	5 Pr.	25 Pr.	8
3	8	1½	12	1 Pr.	25 Pr.	16

**SHORTSIDE STRAP HINGE — Fig. 122**

**Chrome Plated Bronze**

Length Open Inches	Width At Pin Inches	Dimension "A" to Center of Pin Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
4¾	1½	2½	10	1 Pr.	25 Pr.	7

**"T" HINGES — Fig. 197**

**Plain Bronze or Chrome Plated Bronze**

No.	Length Open Inches	Width Overall Inches	Dimension "A" to Center of Pin Inches	Screw Size	Standard Package	O.E.M. Package Chrome	Weight Per Pair Ounces
1	4	2½	1½	10	5 Pr.	25 Pr.	8
2	6	3	1½	10	1 Pr.	10 Pr.	16
3	8	3¾	2	12	1 Pr.	10 Pr.	25



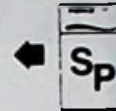
**HINGE — Fig. 808**  
**Chrome Plated Zinc**

Length Open Inches	Width Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
3	1½	8	5 Pr.	50 Pr.	3½

This Item Available in Skin Pack, See Section L.



Fig. 808



**HINGES — Fig. 951**  
**Chrome Plated Bronze**

No.	Length Open Inches	Width Inches	Screw Size	Standard Package	Weight Per Pair Ounces
1	3	1½	8	5 Pr.	3½
2	4	1½	8	5 Pr.	5½



Fig. 951

**HINGES — Figs. 987 & 1213**  
**Chrome Plated Bronze or Chrome Plated Zinc**

Fig.	No.	Length Open Inches	Width Inches	Dimension "A" to Center of Pin Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
987	1	2¼	1½	¾	8	5 Pr.	50 Pr.	3½
987	2	2¼	1½	¾	8	5 Pr.	50 Pr.	4
1213		2¼	1½	¾	8	5 Pr.	50 Pr.	3

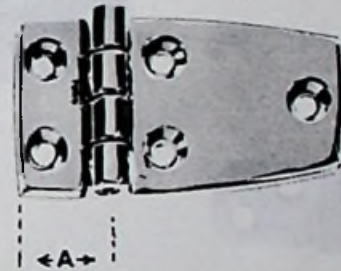


Fig. 987 — Chrome Plated Bronze  
 Fig. 1213 — Chrome Plated Zinc

**HINGES — Figs. 988 & 1214**  
**Chrome Plated Bronze or Chrome Plated Zinc**

Fig.	No.	Length Open Inches	Width Inches	Dimension "A" to Center of Pin Inches	Offset Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
988	1	2¼	¾	¾	1½	8	5 Pr.	50 Pr.	4
988	2	2¼	¾	¾	1½	8	5 Pr.	50 Pr.	5
1214		2¼	¾	¾	1½	8	5 Pr.	50 Pr.	4

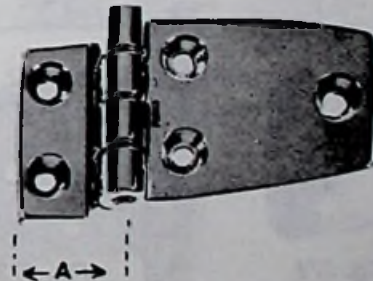


Fig. 988 — Chrome Plated Bronze  
 Fig. 1214 — Chrome Plated Zinc

**HINGE — Figs. 999**  
**Chrome Plated Bronze**

Length Open Inches	Width Inches	Dimension "A" to Center of Pin Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
3½	1½	1½	8	5 Pr.	25 Pr.	5

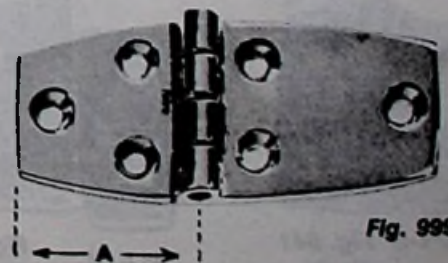
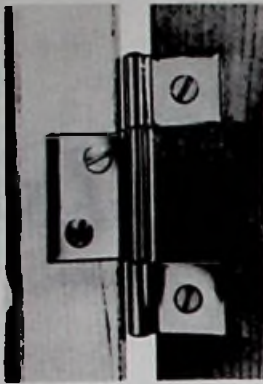


Fig. 999



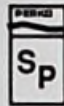
**Fig. 957**

**NON-MORTISED HINGE — FIG. 957**  
Plain Brass or Chrome Plated Brass

Pin Height Inches	Width Closed Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
3-3/8	7/8	8	5 Pr.	50 Pr.	4



**Fig. 924**



**HINGE — FIG. 924**  
Chrome Plated Brass

Length Open Inches	Width Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
3	1-1/2	6	5 Pr.	50 Pr.	2-1/2

This item Available in Skin Pack, See Section L.



**Fig. 1058**

**HINGES — FIG. 1058**  
Plain Brass or Chrome Plated Brass

No.	Length Open Inches	Width At Pin Inches	Screw Size	Standard Package	Weight Per Pair Ounces
1	2-1/4	3/4	4	10 Pr.	1/2
2	3	1-1/16	4	10 Pr.	1-1/2



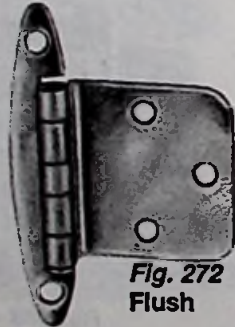
**Fig. 929**

**HINGE — FIG. 929**  
Polished Stainless Steel

Length Open Inches	Width Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
2-1/16	3/4	4	10 Pr.	50 Pr.	1



**Fig. 271**  
Inset



**Fig. 272**  
Flush



**HINGES — FIGS. 271 & 272**  
Plain Brass or Chrome Plated Brass

**Fig. 271 — 3/8" Inset**  
**Fig. 272 — Flush**

Dimensions Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
2-3/4 X 2-1/8	4	10 Pr.	100 Pr.	2-1/2



Fig. 271 Chrome Plated Available in Skin Pack, See Section L.



**Fig. 941**  
Flush



**Fig. 942**  
Offset

**HINGES — FIGS. 941 & 942**  
Chrome Plated Zinc

**Fig. 941 — Flush**  
**Fig. 942 — 3/8" Offset**

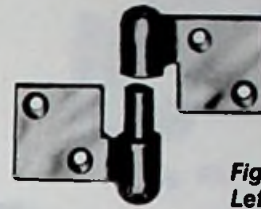
Size Open Inches	Dimension "A" To Center Of Pin Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
1-1/2 X 1-1/2	3/4	8	5 Pr.	50 Pr.	2-1/2



**PULL APART HINGE — Fig. 149**

**Chrome Plated Bronze**

Length Inches	Width at Pin Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3/4	2	10	2	25	5 1/2

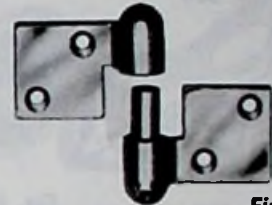


**Fig. 149**  
**Left Hand**

**PULL APART HINGE — Fig. 152**

**Chrome Plated Bronze**

Length Inches	Width at Pin Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3/4	2	10	2	25	5 1/2



**Fig. 152**  
**Right Hand**

**HINGE — Fig. 773**

**Plain Bronze or Chrome Plated Bronze**

Length Inches	Width Overall Inches	Screw Size	Weight Per Pair Pounds
3/4	2 1/4	10	1 1/2



**Fig. 773**

Illustration shows one half pair.

**CONTINUOUS HINGES — Figs. 211 & 212**

Countersunk holes are two inches apart, center to center.

**CHROME PLATED BRASS — FIG. 211**

No.	Width Open Inches	Length Inches	Screw Size	Standard Package	Weight Pounds
2	1 1/4	72	5	10	1 1/2
4	1 1/2	72	5	10	2
6	2	72	6	10	2 1/2

Standard Package, 10 Pieces, Minimum Quantity, No Broken Packages.



**Chrome Plated Brass — Fig. 211**

**Polished Stainless Steel — Fig. 212**

**POLISHED STAINLESS STEEL — FIG. 212**

No.	Width Open Inches	Length Inches	Screw Size	Standard Package	Weight Pounds
2	1 1/4	72	5	10	1 1/2
4	1 1/2	72	6	10	2

Standard Package, 10 Pieces, Minimum Quantity, No Broken Packages.

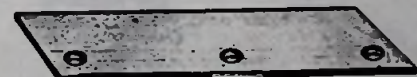
**HATCH TRIM — Figs. 243 & 258**

**Fig. 243 Chrome Plated Brass**

**Fig. 258 Polished Stainless Steel**

No.	Width Inches	Length Inches	Screw Size	Standard Package	Weight Pounds
2	1 1/4	72	6	10	1
4	1 1/2	72	6	10	1 1/2

Standard Package, 10 Pieces, Minimum Quantity, No Broken Packages.



**Chrome Plated Brass — Fig. 243**

**Polished Stainless Steel — Fig. 258**



Fig. 926



Fig. 938



Fig. 925



Fig. 1016



Fig. 958

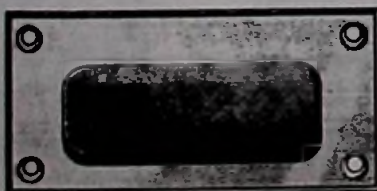


Fig. 1110

**KNOBS — Fig. 926**  
**Chrome Plated Zinc**  
**Black Plastic Insert**

No.	Diameter Inches	Maximum Thickness Inches	Standard Package	O.E.M. Package	Weight Ounces
BO Black	1 1/4	1 1/4	10	100	3/4
B 1 Black	1 1/2	1 1/4	10	100	1

**PULL AND LATCH ASSEMBLY — Fig. 938**

**Chrome Plated Zinc Knob — Black Plastic Insert**  
**Brass Stem**

Diameter Knob Inches	Maximum Thickness Inches	Standard Package	O.E.M. Package	Weight Ounces
1 1/2	1 1/2	5	50	2

**KNOB — Fig. 925**

**Chrome Plated Brass**

Diameter Inches	Maximum Thickness Inches	Standard Package	O.E.M. Package	Weight Ounces
1	1 1/4	10	50	1 1/2

**NEW FLUSH PULL — Fig. 1016**

**Black Plastic or White Plastic**

Easy to install by drilling a 1-1/4" hole.

Can be mounted in any position.

Dimensions Inches	Depth Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2 1/4 x 2 1/4	1 1/16	6	10	100	1

**PULL — Fig. 958**

**Chrome Plated Zinc**

Width Overall Inches	Width Inside Inches	Screw Size	Standard Package	Weight Ounces
3 1/16	2 1/16	6	10	1

**PULL — Fig. 1110**

**Chrome Plated Zinc**

Dimensions Inches	Depth Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3 1/16 x 1 1/16	1/16	6	5	50	3



**HASPS — Fig. 998**

**Chrome Plated Bronze**

No.	Length Closed Inches	Width Inches	Padlock Clearance Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	2	1	1/2	6	10	25	2
2	3	1	1/2	6	10	25	3



Fig. 998

**HASP — Fig. 979**

**Polished Brass or Chrome Plated Brass**

Length Closed Inches	Width Inches	Padlock Clearance Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
2 1/4	1	1/4	5	10	25	1 1/4



Fig. 979

**HASPS — Fig. 1198**

**Chrome Plated Zinc**

No.	Length Closed Inches	Width Inches	Padlock Clearance Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1	2	1	1/4	6	10	25	1 1/2
2	3	1	1/4	6	10	25	2 1/4
3	3 1/4	1	1/4	6	10	25	2 1/2

Fig. 1198 No. 2 Available in Skin Pack, See Section L.

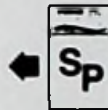


Fig. 1198

**HASP — Fig. 1194**

**Chrome Plated Zinc**

**Padlock Eye Swivels to act as a latch.**

Length Closed Inches	Width Inches	Padlock Clearance Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
3	1	1 1/2	6	10	50	2 1/2

This Item Available in Skin Pack, See Section L.

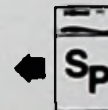


Fig. 1194

**COAT HOOKS — Fig. 975**

**Chrome Plated Zinc**

No.	Projection Inches	Width Base Inches	Screw Size	Standard Package	Weight Ounces
1	2	1 1/4	6	10	1
2	3	1 1/4	6	10	1 1/2



Fig. 975

**HOOK — Fig. 610**

**Chrome Plated Zinc**

Projection Inches	Width Base Inches	Screw Size	Standard Package	Weight Ounces
1 1/4	1 1/4	6	10	1/2

This Item Available in Skin Pack, See Section L.

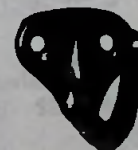
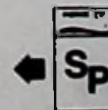


Fig. 610

**HOOK — Fig. 1106**

**Chrome Plated Zinc**

Projection Inches	Width Base Inches	Screw Size	Standard Package	Weight Ounces
3/4	1	6	10	3/4



Fig. 1106

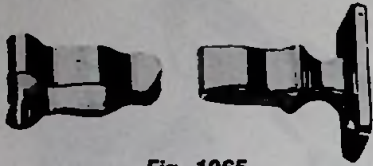


Fig. 1065

**DOOR HOLDER — Fig. 1065**

**Stainless Steel Clip — Chrome Plated Zinc Arrow**

Base of Arrow Inches	Base of Clip Inches	Projection Inches	Screw Size	Standard Package	Weight Ounces
1 1/8 x 3/4	1 1/8 x 7/16	1 1/4	8	5	2



Fig. 1177

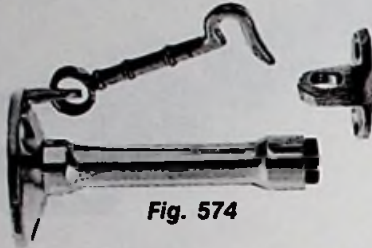


Fig. 574

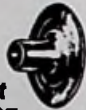
**DOOR STOP — Fig. 1177**

**Chrome Plated Zinc with Rubber Bumper**

Diameter Inches	Length Inches	Screw Size	Standard Package	Weight Ounces
1 1/4	1	4	5	1



Button Fig. 896



Eyelet Fig. 907



STUD Fig. 901



Socket Fig. 898

**DOOR STOP AND HOLDER — Fig. 574**

**Chrome Plated Bronze with Rubber Bumper**

No.	Length Inches	Diameter Inches	Screw Size Wall Plate	Screw Size Keeper	Weight Ounces
1	2 3/4	1 1/4	8	6	4 1/2
2	3 3/4	1 1/4	8	6	5 1/2



STUD Fig. 869



Clinch Stud Fig. 60

**"DURABLE TYPE" FASTENERS**

**Figs. 896, 898, 869, 901, and 907**

**Nickel Plated**

**Fig. 869 Stud is Stainless Steel with a 5/8" Stainless Steel Self Tapping Screw.**

**For Canvas to Surface, use Figs. 869, 896, and 898.**

**For Canvas to Canvas, use Figs. 896, 898, 901 and 907.**

*Standard Package, 100 Pieces — No Broken Packages*



STUD Fig. 117



Clinch Washer Fig. 62

**"LIFT TYPE" FASTENERS**

**Figs. 60, 62, 116, 117 and 118**

**Nickel Plated**

**Fig. 117 Stud is Stainless Steel with a 5/8 Stainless Steel Self Tapping Screw.**

*Standard Package, 100 Pieces — No Broken Packages*



SOCKET Fig. 116



Clinch Plate Fig. 118



**CURTAIN FASTENERS**

*Figs. 994, 996, & 997*

Nickel Plated Brass



*Flanged Stud  
Fig. 994*

Standard Package, 100 Pieces — No Broken Packages



*Eyelet  
Fig. 996*

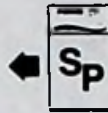
*Washer  
Fig. 997*

**UTILITY HOOK — Fig. 1249**

Chrome Plated Zinc

Length Overall Inches	Width Overall Inches	Inside Hook Inches	Screw Size	Standard Package	O.E.M. Package	Weight Ounces
1 <sup>5</sup> / <sub>16</sub>	1/2	1/4	6	50	100	1/2

This Item Available in Skin Pack, See Section L.



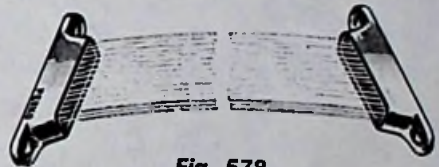
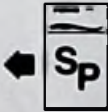
*Fig. 1249*

**BOAT COVER SOCKETS — Fig. 578**

Chrome Plated Zinc

Length Overall Inches	Size Opening Inches	Width Overall Inches	Screw Size	Standard Package	O.E.M. Package	Weight Per Pair Ounces
3 1/4	1 7/8 x 7/16	3/4	8	10 Pr.	50 Pr.	2

This Item Available in Skin Pack, See Section L.



*Fig. 578*

**CONVERTIBLE TOP FITTINGS — Fig. 395**

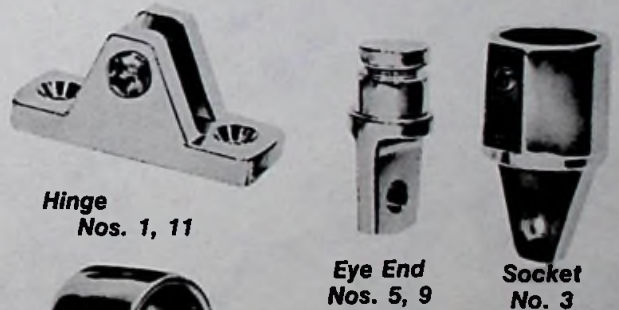
Chrome Plated Zinc

No.	Description
1	Hinge for 3/4 inch fittings
3	Socket for 3/4 inch tubing
5	Eye End for 3/4 inch tubing with .049" Wall
6	Slide for 3/4 inch tubing
8	Side Mounting Plate
9	Eye End for 1/2 inch tubing
10	Slide for 1/2 inch tubing
11	Hinge for 1/2 inch fittings

Standard Package 10 pieces.  
O.E.M. Package Size 1-9 — 100 pieces.  
Sizes 10-11 — 50 pieces.

Average Weight — 2 ounces each.

- # 1 SCREW SIZE 8
- # 8 SCREW SIZE 10
- # 11 SCREW SIZE 8



*Hinge  
Nos. 1, 11*

*Eye End  
Nos. 5, 9*

*Socket  
No. 3*



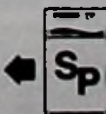
*Slide  
Nos. 6, 10*



*Side Plate  
No. 8*

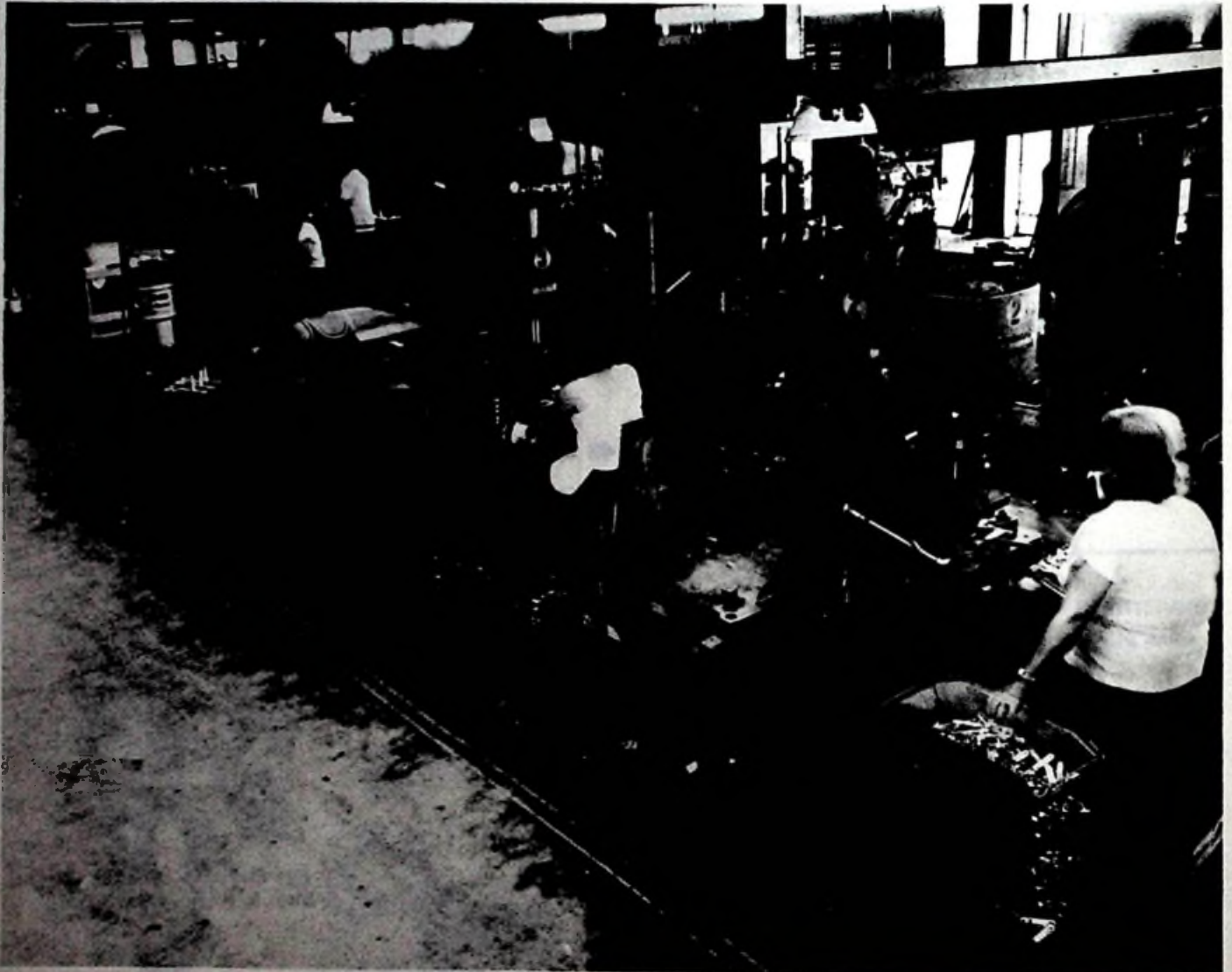
*Fig. 395*

*Fig. 395 Nos. 1, 3, 6 Available in Skin Pack, See Section L.*



## DIE CASTING OPERATIONS

Our extensive die-casting division has five (5) machines producing zinc and one producing bronze parts. PERKO is the only marine manufacturer producing die-cast bronze parts which are well known for strength, uniformity, and high quality.





# PERKO®

## Fishing Equipment

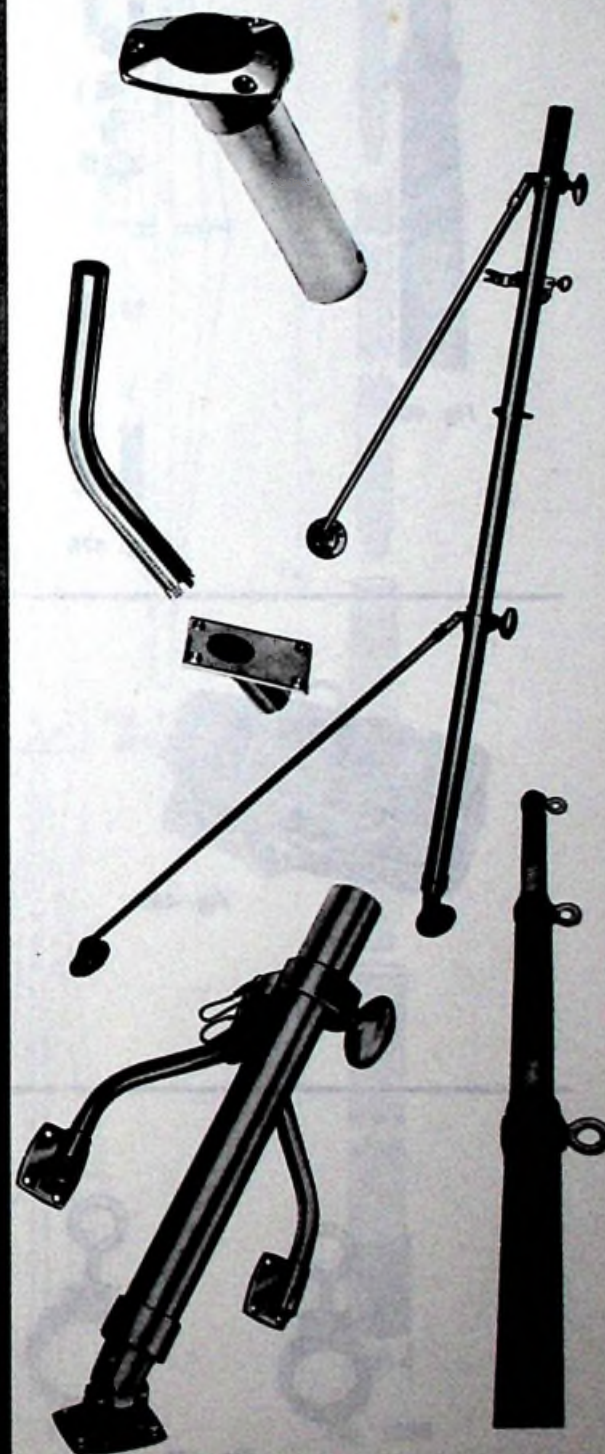
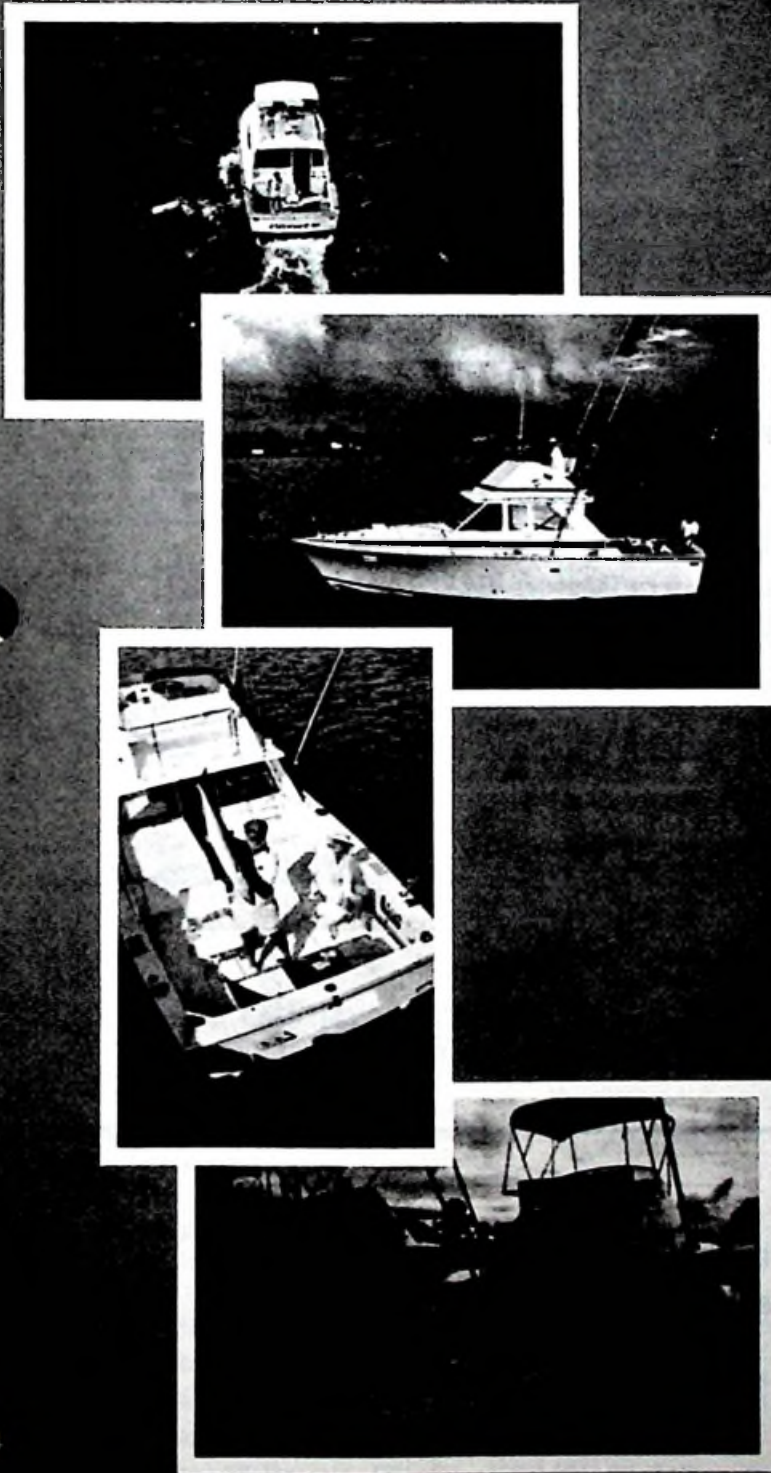






Fig. 460



Fig. 476

**OUTRIGGER POLES — Fig. 460**  
**FIBERGLASS-TELESCOPIC**  
**With Reinforced Joints**

No.	Diameter Base Inches	Overall Length Open Feet	Overall Length Closed Inches	Number of Sections	Weight Pounds
15	1.120	15	66	3	2½

Will Fit Holders, *Figs. 444, 451*; No. 1. and 1314.

Supplied complete with *Fig. 468* Guides, 2 each; Nos., 1,3,4.

**FIBERGLASS OUTRIGGER KITS — Fig. 476**

Consists of 1 pair *Fig. 460* Poles, 2 *Fig. 469* Clips and a set of *Fig. 468* Guides.

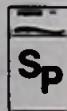
**SOLD IN LOTS OF 3 KITS ONLY.**



Fig. 469

**OUTRIGGER TROLLING PIN OR CLIP — Fig. 469**  
**High Impact Black Plastic — Stainless Steel Eyes and Spring**

Dimensions	Standard Package	Weight Ounces
2¼ x 1¾	10	1½



➔ This item available in SKIN PACK, See Section L.

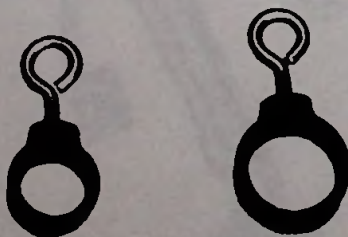


Fig. 468

**OUTRIGGER POLE LINE GUIDES — Fig. 468**  
**Stainless Steel Eye — Black Plastic Body**

No.	I.D. Body Inches	I.D. Eye Inches	Weight Ounces
1	⅞	⅜	¼
2	¾	⅜	¼
3	¾	⅜	¼
4	1	⅜	¼
5	1⅞	⅜	½
6	1¾	⅜	½

**Standard Package, 6 Pieces.**

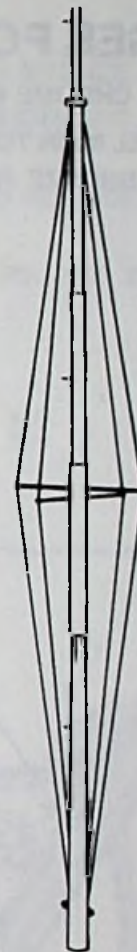


# OUTRIGGER POLES

**FIG. 1098**  
**ANODIZED ALUMINUM**  
**PLASTIC INSULATED BASE**  
**4 FOOT SECTIONS**

These poles are stiffer for rough water use. Sections are threaded for easy assembly. Furnished in pairs, complete with guides.

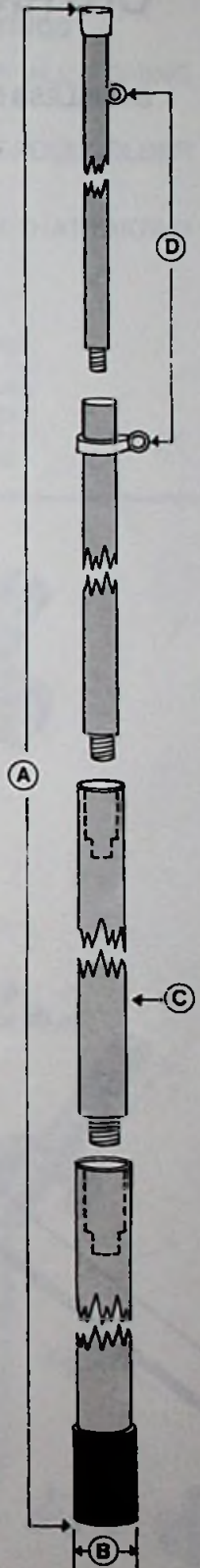
	"A"	"B"	"C"	"D"	
No.	Length Assembled Feet	Nominal Diameter Base Inches	Quantity Sections	Quantity Guides	Weight Per Pair Pounds
11	11'4"	1.120	3	2	4½
15	15'	1.120	4	2	6
16	15'	1.500	4	2	9
18	18'8"	1.500	5	3	14
19	18'8"	1.900	5	3	14½
22	22'3"	1.900	6	3	20
25	25'6"	1.900	7	3	27½



**Fig. 1114 SINGLE**



**Fig. 1115 DOUBLE**



**Fig. 1098**

# SPREADERS

**FIGS. 1114 & 1115**

Designed for use with our aluminum poles when maximum rigidity is needed.

Supplied in pairs; consisting of spreaders, stainless steel cable, eye bands and turnbuckles.

**Fig. 1114 No. 18 Single, Fits Fig. 1098 Nos. 18 and 19 Poles**

**Fig. 1114 No. 22 Single, Fits Fig. 1098 No. 22 Poles**

**Fig. 1114 No. 25 Single, Fits Fig. 1098 No. 25 Poles**

**Fig. 1115 No. 22 Double, Fits Fig. 1098 No. 22 Poles**

**Fig. 1115 No. 25 Double, Fits Fig. 1098 No. 25 Poles**

# OUTRIGGER POLE HOLDERS

CHROME PLATED  
 STAINLESS STEEL MAIN TUBE AND SUPPORT ARMS  
 BRONZE FITTINGS

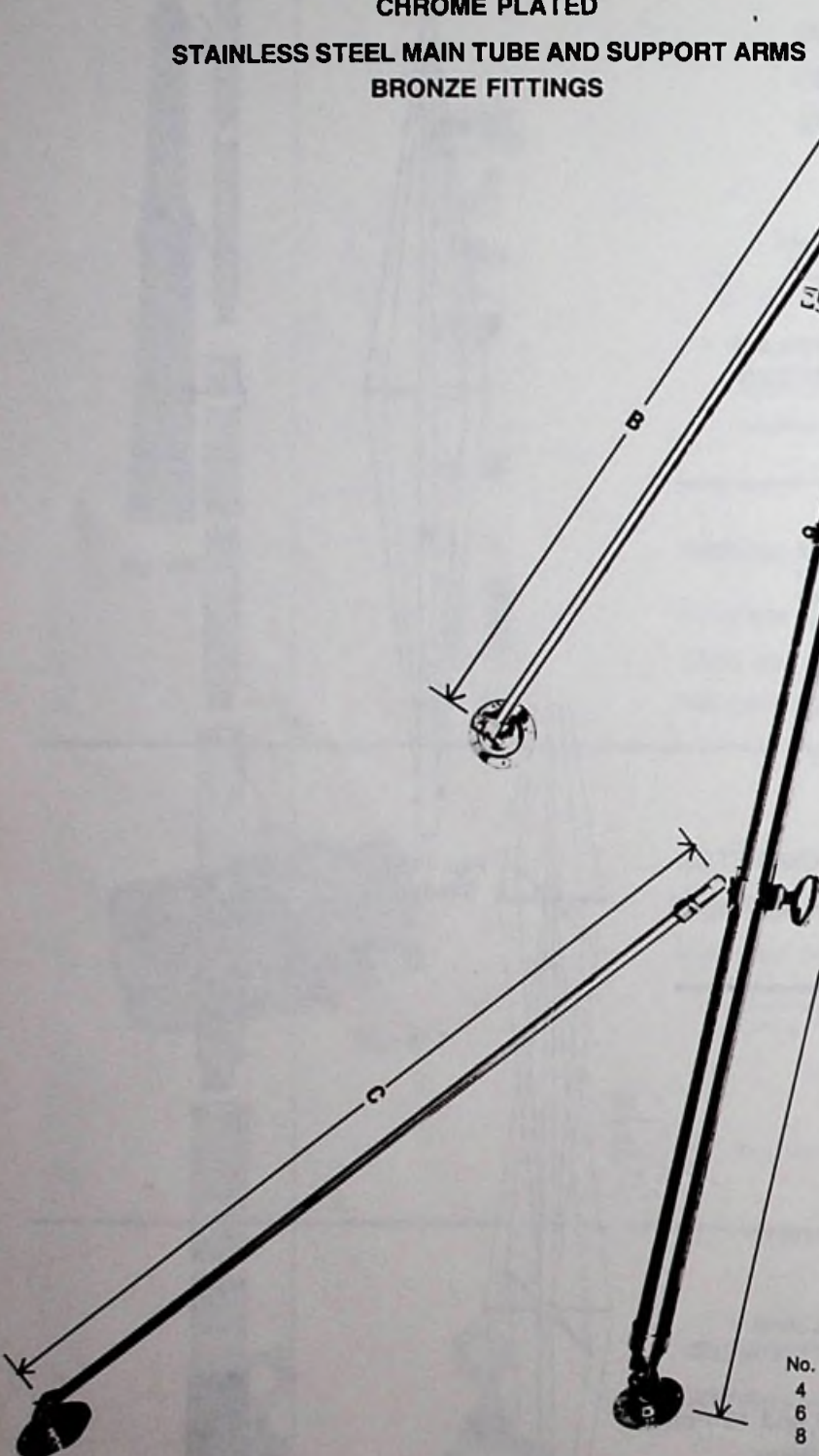


Fig. 400

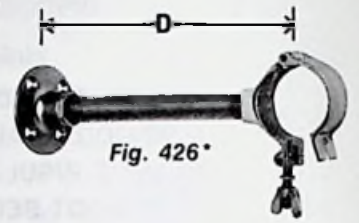


Fig. 426\*

If Desired Complete  
 with The Above Special Side Bracket  
 For Fly-Bridge Mounting.  
 Specify Fig. 425 and Size.

DESIGNED AND RECOMMENDED FOR USE  
 WITH OUR HEAVY DUTY OUTRIGGER POLES  
 FIG. 1098 NOS. 19, 22 AND 25.

ALL JOINTS ARE SWIVEL TYPE FOR EASY IN-  
 STALLATION AND SETTING AT DESIRED  
 ANGLE.

A STOP COLLAR IS INCLUDED FOR PRESET-  
 TING PREFERRED FISHING ANGLE, COLLAR  
 HAS INTEGRAL EYE FOR LIFTING LINE.

UPPER HOLDING BRACKET IS HINGED FOR  
 QUICK RELEASE OF MAIN TUBE.

HOOKS ARE ALSO INCLUDED FOR SUPPORT-  
 ING OUTRIGGER IN DOWN POSITION.

MAIN TUBE IS 2 IN. O.D., 1.900 IN. I.D.

No.	"A" Main Tube Feet	"B" Inches	"C" Inches	O.D. Flanges Inches	Bolt Size	Weight Per Pair Pounds
4	4	27¼	41½	4	¼"	59
6	6	38¾	50¾	4	¼"	70
8	8	50¾	74½	4	¼"	90

\*Fig. 426—"D"—ADJUSTABLE FROM 8¾" TO 9½".



**OUTRIGGER POLE HOLDERS**

**CHROME PLATED**

**STAINLESS STEEL MAIN TUBE — BRASS YOKE TUBING — BRONZE FITTINGS**

THE SLIDING CLAMP WITH LARGE KNOB PROVIDES READY ADJUSTMENT FOR ALL FISHING POSITIONS.

A STAINLESS STEEL DRIFT PIN IS PROVIDED IN THE SLIDING CLAMP TO RELEASE THE POLE HOLDER TO A DOWN AND AFT POSITION.

MOUNTING YOKES MAY BE INSTALLED IN AN INVERTED POSITION RATHER THAN THAT SHOWN TO ACCOMMODATE VARIOUS INSTALLATION REQUIREMENTS.

No.	"A" Inches	"B" Inches	O. D. Main Tube Inches	I. D. Main Tube Inches	Bolt Size	Weight Per Pair Pounds
1	20	11 $\frac{3}{4}$	1 $\frac{5}{8}$	1.500	$\frac{1}{4}$ "	22
2	20	11 $\frac{3}{4}$	2	1.900	$\frac{1}{4}$ "	24
3	35	24	2	1.900	$\frac{1}{4}$ "	33

**Fig. 445**

Has Swinging (Non-Swivel) Rectangular Mounting base.

Nos. 1 and 2 have clamp on one Mounting Bracket to hold Outrigger in vertical position.

No. 3 has Hinged Holding Bracket as supplied with Fig. 400. Also Stop Collar.

All sizes have Folding Lay-Down Hook.



**Fig. 445**

**Fig. 470**

Has Extra Heavy Swivel Mounting Base which enables the Holder to be mounted on a horizontal deck or a vertical surface.

Nos. 1 and 2 have clamp on one Mounting Bracket to hold Outrigger in vertical position.

No. 3 has Hinged Holding Bracket as supplied with Fig. 400.

All sizes have Stop Collar and Folding Lay-Down Hook.



**Fig. 470**

**FOR SIZE NO. 1 USE OUTRIGGER POLES FIG. 1098 NOS. 16 and 18.  
FOR SIZE NO. 2 USE OUTRIGGER POLES FIG. 1098 NO. 19.  
FOR SIZE NO. 3 USE OUTRIGGER POLES FIG. 1098 NOS. 19, 22, 25.**

**OUTRIGGER POLE HOLDERS**  
**SIDE AND DECK MOUNTS**

Removable Tubes — Tubes Lift and turn to 3 positions — Vertical, fishing, and lowered.  
 Tubes are Universal — May Be Used on Either Side  
 Supplied in Pairs. A Pair consists of 2 Plates and 2 Tubes.

**SIDE MOUNT — Fig. 444**

CHROME PLATED BRONZE BRACKETS

NO. 1 TUBES — POLISHED STAINLESS STEEL  
 NO. 2 TUBES — CHROME PLATED BRASS

No.	Outside Diameter Tube Inches	Nominal Inside Diameter Tube Inches	Dimensions Bracket Inches	Bolt Size	Weight Per Pair Pounds
1	1¼	1.120	4½ x 3	¼"	2¾
2	1½	1.500	6½ x 4	¼"	7

**DECK MOUNT — Fig. 451**

CHROME PLATED BRONZE PLATES

NO. 1 TUBES — POLISHED STAINLESS STEEL  
 NO. 2 TUBES — CHROME PLATED BRASS

No.	Outside Diameter Tube Inches	Nominal Inside Diameter Tube Inches	Dimensions Plate Inches	Bolt Size	Weight Per Pair Pounds
1	1¼	1.120	5 x 2½	¼"	4½
2	1½	1.500	6 x 3½	⅝"	12

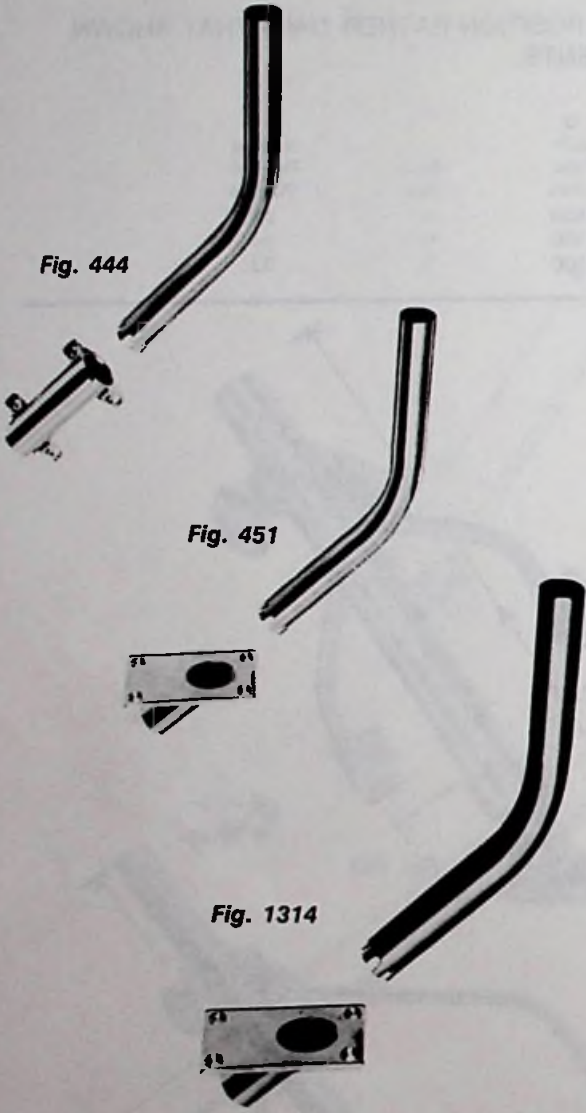
**DECK MOUNT — Fig. 1314**

CHROME PLATED ZINC PLATES  
 STAINLESS STEEL TUBES

For Outrigger Poles, Fig. 460 No. 15

Outside Diameter Tube Inches	Nominal Inside Diameter Tube Inches	Dimensions Plate Inches	Bolt Size	Weight Per Pair Pounds
1¼	1.120	5 x 2½	¼"	2¾

NOTE: NOT DESIGNED FOR USE WITH ALUMINUM POLES, i.e. Fig. 1098



FOR SIZE NO. 1 USE OUTRIGGER POLES FIGS. 460 NO. 15 AND 1098 NO. 11 AND 15.  
 FOR SIZE NO. 2 USE OUTRIGGER POLES FIG. 1098 NOS. 16 AND 18.

FIGS. 444, 451 Size No. 1 and 1314 Available in Display Pack, See Section L.



**FISHING ROD HOLDER — Fig. 1118**  
**CLAMP-ON**

**Chrome Plated Brass and Bronze With Soft Black Vinyl Liner**

Clamp-On feature eliminates drilling rail — simplifies relocation — mounts on vertical or horizontal rails. Adjustable for rails 3/4 to 1 inch diameter.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Tube Inches	Weight Pounds
1 1/4	2	9	2

THIS ITEM AVAILABLE IN DISPLAY PACK, SEE SECTION L. 



Fig. 1118

**FISHING ROD HOLDER — Fig. 449**

**Chrome Plated Brass and Bronze With Soft Black Vinyl Liner**

Designed for vertical mounting, this holder is easily removed when not in use, leaving no projecting hardware.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Dimensions Mounting Bracket Inches		Screw Size	Weight Pounds
		Length	Width		
1 1/4	2	4	3 3/4	10	2 1/4



Fig. 449



Fig. 1104

**FISHING ROD HOLDER — Fig. 1104**

**Black Plastic — With Chrome Plated Brass Brackets**

Length Overall Inches	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Width Bracket Inches	Screw Size	Weight Pounds
9	1 1/4	2	3 3/4	8	1/2

THIS ITEM AVAILABLE IN DISPLAY PACK, SEE SECTION L. 

**ADJUSTABLE FISHING ROD HOLDER — Fig. 475**

**Plain or Chrome Plated Brass and Bronze With Soft Black Vinyl Liner**

May be adjusted quickly to any desired angle from vertical to horizontal. Locked by large thumb bolt.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Tube Inches	Dimensions Base Inches	Bolt Size	Weight Pounds
1 1/4	2	9 1/2	3 3/8 x 2 1/4	1/4"	3 3/4

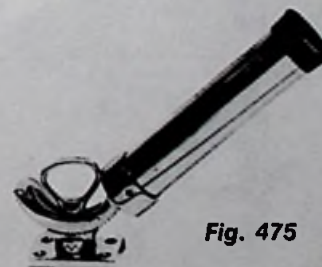


Fig. 475



Fig. 1205

**FISHING ROD HOLDER — Fig. 1205**

**Chrome Plated Zinc Flange — Anodized Aluminum Tube With Soft Black Vinyl Liner**

	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Bolt Size	Weight Pounds
	1½	2	8	4¼ x 3½	¼"	1



Fig. 448

**FISHING ROD HOLDERS — Fig. 448**

**Chrome Plated Bronze Flange — Brass Tube With Soft Black Vinyl Liner**

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Bolt Size	Weight Pounds
1	1½	2	8	4¼ x 3½	¼"	1¼
2	1½	2¼	12	4¾ x 4	¼"	2



Fig. 452

**FISHING ROD HOLDER — Fig. 452**

**Polished Stainless Steel Flange — Stainless Steel Tube With Soft Black Vinyl Liner — Molded Plastic Mounting Gasket**

	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Screw Size	Weight Pounds
	1½	2	8¼	4½ x 3¾	8	¾

For Caps to Enclose Bottoms for Above Items Specify Fig. 125.



Fig. 1100

**FISHING ROD HOLDER — Fig. 1100**

**Chrome Plated Brass With Soft Black Vinyl Liner**

	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Overall Inches	Width Bracket Inches	Screw Size	Weight Pounds
	1½	2	9	3	8	1



➡ Some of the Above Items Available in Display Packs See Section L.



Fig. 404

**HEAVY DUTY FISHING ROD HOLDERS — Fig. 404**

**Chrome Plated — Brass and Bronze With Soft Black Vinyl Liner**

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Inches	Width Bracket Inches	Bolt Size	Weight Pounds
1	1½	2	9	4¾	¼"	1½
2	1½	2¼	11	4¾	¼"	2½



# PERKO®

ISO



# PerkoPak

## Skin Pack • Display Pack

MANUFACTURED BY PERKO, INC., 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164-0414  
 FOR COMPLETE LINE SEE CATALOG NO. 250





Fig. 1310-SP

**COMBINATION SIDE LIGHT — Fig. 1310-SP**

Patent No. 3,828,714

**Chrome Plated Zinc Top — Black Plastic Base**

**Red and Green Lenses — 1 Mile Visibility — Complete with 12 Volt Bulb**

**For use on Power Driven Vessels Under 12 Meters (39.4 ft.)**

Height Inches	Size Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/2	4 x 3 1/4	8	6	2 1/2

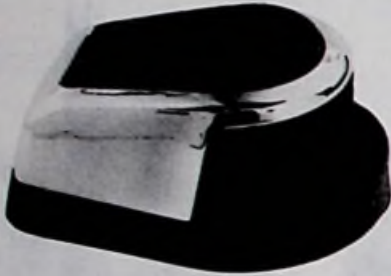


Fig. 1510-SP



**COMBINATION SIDE LIGHT — Fig. 1510-SP**

Patent No. 3,828,714

**Chrome Plated Zinc Top with Teak Insert — Black Plastic Base**

**Red and Green Lenses — 1 Mile Visibility — Complete with 12 Volt Bulb**

**For use on Power Driven Vessels Under 12 Meters (39.4 ft.)**

Height Inches	Size Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/2	4 x 3 1/4	8	6	2 1/2



Fig. 1218-SP



**COMBINATION SIDE LIGHT — Fig. 1218-SP**

**Chrome Plated Zinc — Red and Green Lenses  
1 Mile Visibility — Complete with 12 Volt Bulb**

**For use on Power Driven Vessels Under 12 Meters (39.4 ft.)**

Height Inches	Size Base Inches	Staff Socket Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3 1/4	6 1/4 x 3 3/4	3/4	8	3	4



Fig. 972-SP



**COMBINATION SIDE LIGHT — Fig. 972-SP**

**Chrome Plated Brass Top — Black Plastic Base**

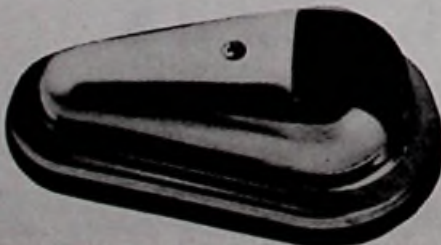
**Red and Green Lenses — 1 Mile Visibility — Complete with 12 Volt Bulb**

**For use on Sail or Power Driven Vessels Under 12 Meters (39.4 ft.)**

Height Inches	Diameter Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/4	2 1/4	4	4	1



Fig. 955-SP



**SIDE LIGHTS — Fig. 955-SP**

**Chrome Plated Brass Top — Black Plastic Base**

**Red and Green Lenses — 1 Mile Visibility  
Complete with 12 Volt Bulb**

**For use on Sail or Power Driven Vessels Under 12 Meters (39.4 ft.)**

Length Inches	Width Inches	Projection Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
4 1/4	2 1/4	1 1/4	4	4	2



**MASTHEAD LIGHT — Fig. 964-SP**

Chrome Plated Brass Top — Black Plastic Base

Clear Lens — 2 Mile Visibility  
Complete with 12 Volt Bulb

For use on Sail or Power Driven Vessels Under 12 Meters  
(39.4 ft.)

Height Inches	Diameter Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/4	2 1/4	4	4	1



Fig. 964-SP

**STERN LIGHT — Fig. 945-SP**

Chrome Plated Brass Top — Black Plastic Base

Clear Lens — 2 Mile Visibility  
Complete with 12 Volt Bulb

For use on Sail or Power Driven Vessels Under 20 Meters  
(65.6 ft.)

Projection Inches	Diameter Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/4	2 1/4	4	4	1



Fig. 945-SP

**STERN LIGHT — Fig. 965**

Chrome Plated Brass Top — Black Plastic Base

Clear Lens — 2 Mile Visibility  
Complete with 12 Volt Bulb

For use on Sail or Power Driven Vessels Under 20 Meters  
(65.6 ft.)

Height Inches	Diameter Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/4	2 1/4	4	4	1



Fig. 965-SP

**STERN LIGHT — Fig. 946-SP**

Chrome Plated Brass — Black Plastic Base

Clear Lens — 2 Mile Visibility  
Complete with 12 Volt Bulb

For use on Sail or Power Driven Vessels Under 20 Meters  
(65.6 ft.)

No.	Projection Inches	Diameter Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1	1 1/4	3	8	4	1 1/4



Fig. 946-SP

**SPREADER LIGHT — Fig. 265-SP**

Fixed Mount

Chrome Plated Bronze — Black Plastic Base

Complete with 12 Volt, 6 c.p. Bulb

Diameter Inches	Projection Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2 3/4	1 1/4	6	4	1 1/4

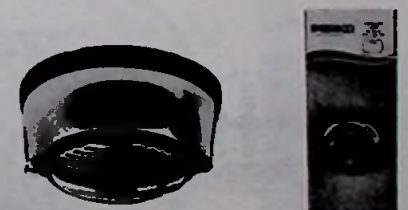


Fig. 265-SP



Fig. 318-A-SP



**LIGHTING FIXTURE — Fig. 318-A-SP**

Surface Mount — Dual Voltage — For 12 or 120 Volts  
White Translucent Plastic Globe — Chrome Plated Zinc Base with Integral Junction Box.

Double contact sockets complete with two 12 volt and two 120 volt bulbs.

Length Inches	Width Inches	Depth Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
9 $\frac{1}{4}$	3 $\frac{1}{2}$	1 $\frac{1}{4}$	10	4	7 $\frac{1}{4}$



Fig. 300-SP

**DOME LIGHT — Fig. 300-SP**

Surface Mount — Chrome Plated Zinc

Low Voltage — For Systems up to 50 Volts

Push Switch — Double Contact Socket — Complete with 12 Volt Bulb

No.	Diameter Overall Inches	Diameter Globe Inches	Projection Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1	5 $\frac{1}{4}$	4	1 $\frac{1}{4}$	10 R.H.	3	2 $\frac{1}{4}$



Fig. 217-SP



**BULKHEAD FIXTURE — Fig. 217-SP**

Chrome Plated Zinc

Low Voltage — For Systems up to 50 Volts

Turn Switch — Medium Screw Socket

Size Base Inches	Projection Less Lamp Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2 $\frac{1}{2}$ x 1 $\frac{1}{4}$	2 $\frac{1}{2}$	6	6	4



Fig. 140-SP



**UTILITY LIGHT — Fig. 140-SP**

Molded White Plastic

Complete with 12 Volt, 1 Watt Bulb

Size Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 $\frac{1}{2}$ x $\frac{3}{4}$	7	10	$\frac{1}{2}$



Fig. 248-SP



**GLOBE — Fig. 248-SP**

360° — Clear Plastic

Complete with Gasket

Height Inches	Outside Diameter Inches	Diameter Thread Inches	Cards Per Box	Weight Per Box Pounds
2 $\frac{1}{2}$	1 $\frac{1}{4}$	2	10	1 $\frac{1}{2}$



**LIGHT BULBS — Fig. 70-SP**

**Double Ended Base — Clear**

Mfr. Lamp No.	Nominal Volts	Design Amps	C.P.	Bulb Diameter Inches	Cards Per Box	Weight Per Box Pounds
1 211-2	12	.97	12	1/16	12	1/2

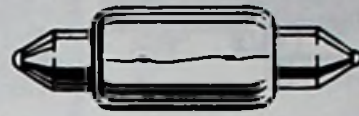


Fig. 70-SP



**LIGHT BULBS — Fig. 71-SP**

**Double Ended Base — Clear**

Nominal Volts	Design Amps	C.P.	Bulb Diameter Inches	Cards Per Box	Weight Per Box Pounds
12	.80	8	1/4	12	1/2



Fig. 71-SP



**PUSH BUTTON SWITCH — Fig. 703-SP**

**Push On, Push Off**

**2 Amps at 14 Volts**

Diameter Neck Inches	Max. Thickness of Panel Inches	Cards Per Box	Weight Per Box Pounds
3/4	1/4	6	1/2



Fig. 703-SP



**Not Ignition Protected, See Page CD-11.**

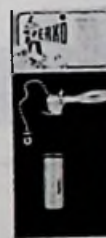
**TRANSOM DRAIN PLUG — Fig. 414-SP**

**Brass — Expandable Plug**

No.	Diameter Tube Inches	Length Tube Inches	Length Overall Inches	Cards Per Box	Weight Per Box Pounds
1	1	2	2 1/2	12	4



Fig. 414-SP



**WATER INLET FITTING — Fig. 499**

**Chrome Plated Bronze**

**For obtaining water under pressure at dockside. External portion has a standard size swivel hose connector with watertight plug and stainless steel bead chain.**

Diameter Flange Inches	Female N.P. Thread Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2 3/4	1/2	8	5	2

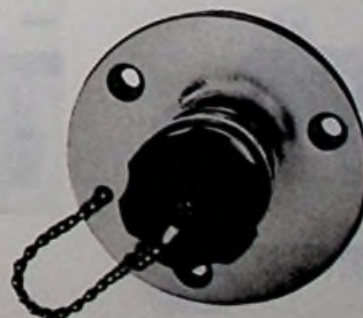


Fig. 499-SP



L-6

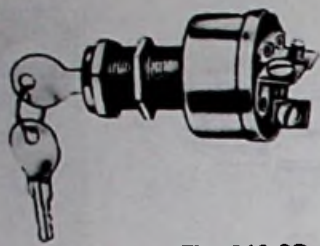


Fig. 310-SP



**IGNITION STARTER SWITCH — Fig. 310-SP**

All Brass — Chrome Plated Brass Face Nut

3 Position — Off - Ignition - Start — 15 Amps at 12 Volts

Spring Action — Automatically returns from start to ignition position

Diameter Neck Inches	Length Overall Inches	Max. Thickness Inches	Cards Per Box	Weight Per Box Pounds
1 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	1	6	3

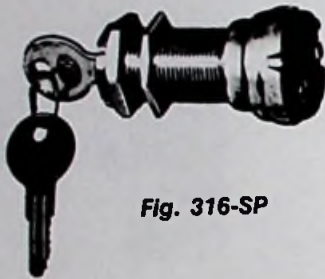


Fig. 316-SP

**IGNITION LOCK SWITCH — Fig. 316-SP**

Die Cast Zinc Housing — Chrome Plated Face Nut

2 Position — Off - On — 15 Amps at 12 Volts

No.	Diameter Neck Inches	Length Overall Inches	Max. Thickness Inches	Cards Per Box	Weight Per Box Pounds
1	3/4	2	1/2	6	2



Fig. 105-SP



**PUSH-PULL SWITCH — Fig. 105-SP**

Brass Body — Chrome Plated Brass Face Nut —

Chrome Plated Plastic Knob

2 Position — Off - On — 15 Amps at 12 Volts

No.	Diameter Neck Inches	Length Overall Inches	Max. Thickness Inches	Cards Per Box	Weight Per Box Pounds
1	3/4	3	1	12	3

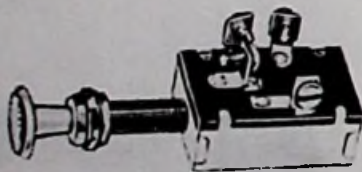


Fig. 366-SP

**PUSH-PULL SWITCH — Fig. 366-SP**

Brass Body — Chrome Plated Brass Face Nut —

Chrome Plated Plastic Knob

3 Position — 2 Circuit — Off-On-On — 15 Amps at 12 Volts

For use with combination Masthead and All-round lights together with running lights. Second "on" position turns off running lights and turns on both compartments of Masthead All-round light.

Diameter Neck Inches	Length Overall Inches	Max. Thickness Inches	Cards Per Box	Weight Per Box Pounds
3/4	3 <sup>3</sup> / <sub>4</sub>	1	6	2

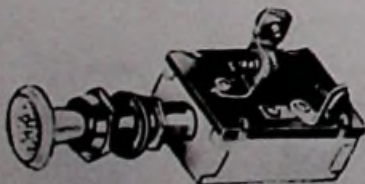
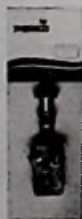


Fig. 381-SP



**PUSH-PULL SWITCH — Fig. 381-SP**

Brass Body — Chrome Plated Brass Face Nut —

Chrome Plated Plastic Knob

3 Position — Off-On-On — 15 Amps at 12 Volts

First "On" position energizes one terminal. Second "On" position energizes two terminals.

Diameter Neck Inches	Length Overall Inches	Max. Thickness Inches	Cards Per Box	Weight Per Box Pounds
3/4	3 <sup>3</sup> / <sub>4</sub>	1	6	2

Above Switches are not Ignition Protected — See Page CD11 for Details.



**MOMENTARY PUSH SWITCH — Fig. 255-SP**

**Chrome Plated Brass Button and Face Nut**  
**Single Pole — Push Button Spring Action —**  
**15 Amps at 12 Volts**

No.	Diameter Neck Inches	Length Overall Inches	Max. Thickness Inches	Cards Per Box	Weight Per Box Pounds
1	3/8	2 3/4	1	6	3

Not Ignition Protected, See Page CD-11.



Fig. 255-SP

**IN-LINE FUSE HOLDER — Fig. 786-SP**

**Molded Plastic with 20 Amp Fuse and Wire Leads**  
**For Standard 1/4" x 1/4" fuses.**

Length Inches	Diameter Inches	Cards Per Box	Weight Per Box Pounds
2 1/4	1 1/16	10	3/4

Conforms to U.S.C.G. Electrical Standards, See Page CD-11.



Fig. 786-SP

**MOLDED LINE CONNECTORS — Fig. 720-SP**

**Plastic Bodies — Brass Contacts**  
**Polarized — 15 Amps at 12 Volts**  
**Both male and female side have 12 inch long 18 gauge color coded wires.**

Poles	Width Inches	Cards Per Box	Weight Per Box Pounds
2	3/8	5	3/8
3	7/8	5	1/2
4	1 1/8	5	3/4

Conforms to U.S.C.G. Electrical Standards, See Page CD-11.



Fig. 720-2

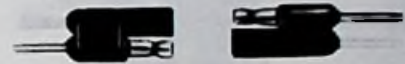


Fig. 720-3

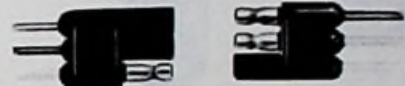


Fig. 720-4

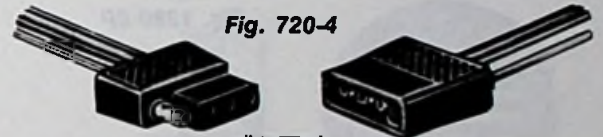


Fig. 720-SP



**WATERTIGHT DECK CONNECTION — Fig. 1190-SP**

**Chrome Plated Zinc**  
**Polarized Double Contact Connector — 15 Amps at 12 Volts**  
**Waterproof cover for Base when Plug Removed**

Diameter Inches	Height Inches	Cards Per Box	Weight Per Box Pounds
1 3/8	1 1/2	5	7/8

Not Ignition Protected, See Page CD-11.

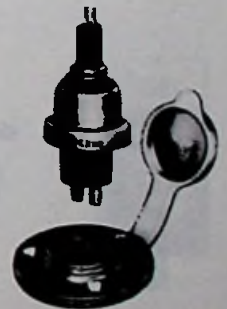


Fig. 1190-SP

**WATERTIGHT CABLE OUTLET — Fig. 1191-SP**

**Chrome Plated Zinc**  
**Rubber Grommet for Watertight passage of Cable**

Diameter Inches	Height Inches	Cards Per Box	Weight Per Box Pounds
1 1/4	3/16	5	3/8

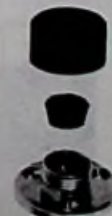


Fig. 1191-SP



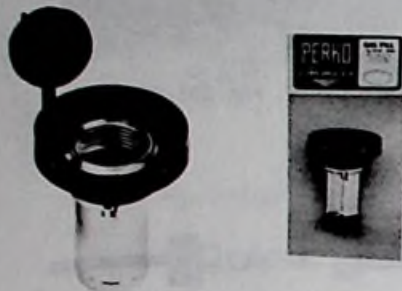


Fig. 1313-SP

**CHROMALEX® GAS FILL — Fig. 1313-SP**

Chrome Plated Zinc Body — Black Plastic Cap, Impervious to Gasoline — Complete with Grounding Lug with Screw.

Cap has integral retainer feature and is equipped with gasket to assure water tightness.

Diameter Overall Inches	Length Hose Neck Inches	For Hose Size Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3/4	1 1/4	1 1/2	7	6	3 1/2



Fig. 1399-SP

**CHROMALEX® LOCKING GAS FILL — Fig. 1399-SP**

Same Design and Construction as Fig. 1313 Except Equipped with Locking Cap. Cap has Gasket to Prevent Moisture from Entering Tank.



Fig. 1324-SP



**LOCKING GAS CAP — Fig. 1324-SP\***

Black Plastic

Supplied with Gasket to Prevent Moisture from Entering Tank.

Cards Per Box	Weight Per Box Pounds
6	1 1/4

\*Will fit all PERKO CHROMALEX® Gas Fills — Figs. 1313, 1413 & 1513.



Fig. 826-SP

**DECK PLATE KEY — Fig. 826-SP**

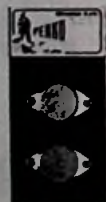
Chrome Plated Zinc

Heavy Duty Pins — Will fit sizes up to 8 inch diameter

Length Overall Inches	Cards Per Box	Weight Per Box Pounds
8 1/2	6	4



Fig. 1224-SP



**TRANSOM PLATES — Fig. 1224-SP**

Chrome Plated Zinc Frame — Molded Soft Plastic Pad For outboard motor brackets

Length Overall Inches	Inside Diameter Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3 1/2	1 1/4	8	12	3 1/4



**CHROMALEX® COWL VENTILATOR — Fig. 1312-SP**  
**Chrome Plated Zinc Cowl — Black Plastic Base — For 3 inch Duct**

**Hose Clamps Not Required — Duct Threads into Neck**

Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Height Overall Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
7	5¼	4¾	2¾	8	4	3



**Fig. 1312-SP**

**GAS TANK VENT — Fig. 506-SP**

**Chrome Plated Zinc**  
**With Removable Monel Wire 30 Mesh Screening**

No.	Hose Size Inches	Max. Thickness Inches	Cards Per Box	Weight Per Box Pounds
4	¾	¾	10	1½



**Fig. 506-SP**

**LOCKER VENTILATOR — Fig. 330-SP**  
**Chrome Plated Brass**

No.	Diameter Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2	3¼	6 R.H.	12	1½



**Fig. 330-SP**

**CLAM SHELL VENTILATOR — Fig. 339-SP**  
**Chrome Plated Brass**

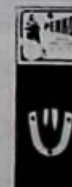
No.	Base Dimensions Inches	Height Opening Inches	Width Opening Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
4	4 x 3¼	1¾	2½	6	6	4



**Fig. 339-SP**

**CLAM SHELL VENTILATOR — Fig. 315-SP**  
**Chrome Plated Brass**

No.	Base Dimensions Inches	Height Opening Inches	Width Opening Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2	2 x 2	¾	1¾	6	12	1½



**Fig. 315-SP**

# L-10

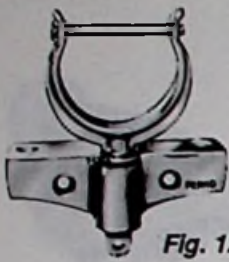
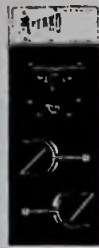


Fig. 1228-SP



## ROWLOCK SET — FIG. 1228-SP

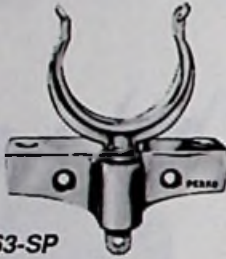
North River Type — Chrome Plated Zinc

Black Plastic Bearings in Socket for Smooth Operation

Diameter Shank Inches	Between Horns Inches	Length Socket Inches	Width Socket Inches	Depth Socket Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1/2	1-3/4	4	7/8	1-1/8	10	6	8-1/2



Fig. 1263-SP



## ROWLOCK SET — FIG. 1263-SP

Ribbed Type — Chrome Plated Zinc

Black Plastic Bearings in Socket for Smooth Operation

Diameter Shank Inches	Between Horns Inches	Length Socket Inches	Width Socket Inches	Depth Socket Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1/2	1-3/4	4	7/8	1-1/8	10	6	8



Fig. 1268-SP



## ROWLOCK SET — FIG. 1268-SP

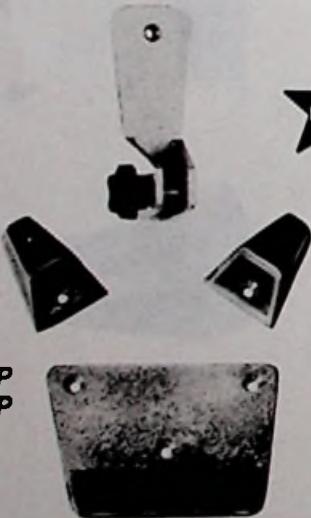
Round Type — Chrome Plated Zinc

Black Plastic Bearings in Socket for Smooth Operation

Diameter Shank Inches	Between Horns Inches	Length Socket Inches	Width Socket Inches	Depth Socket Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1/2	2	4	7/8	1-1/8	10	6	8-3/4



Fig. 933-SP  
Fig. 971-SP



## ANCHOR CHOCKS — FIG. 933-SP & 971-SP

Chrome Plated Bronze

Fig. 933-SP — Fits Danforth Type Anchors up to 20 Pounds.

Fig. 971-SP — Fits Danforth Type Anchors from 22 to 90 Pounds.

Screw Size	Cards Per Box	Weight Per Box Pounds
10	5	10



Fig. 757-SP



## ROPE DECK PIPE — FIG. 757-SP

Chrome Plated Zinc

For Rope Diameter Inches	Diameter Flange Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1	3-3/8	8	5	3



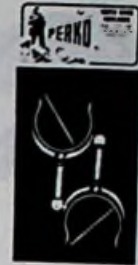
**ROWLOCK HORNS — Fig. 1227-SP**

**North River Type — Natural or Chrome Plated Zinc**

Diameter Shank Inches	Length Shank Inches	Between Horns Inches	Cards Per Box	Weight Per Box Pounds
1/2	1 1/4	1 1/4	6	4



Fig. 1227-SP



**ROWLOCK HORNS — Fig. 1262-SP**

**Ribbed Type — Natural or Chrome Plated Zinc**

Diameter Shank Inches	Length Shank Inches	Between Horns Inches	Cards Per Box	Weight Per Box Pounds
1/2	1 1/4	1 1/4	6	4



Fig. 1262-SP

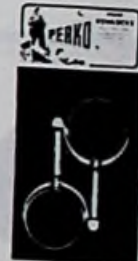
**ROWLOCK HORNS — Fig. 1267-SP**

**Round Type — Natural or Chrome Plated Zinc**

Diameter Shank Inches	Length Shank Inches	Inside Diameter Horn Inches	Cards Per Box	Weight Per Box Pounds
1/2	1 1/4	2	6	4 1/2



Fig. 1267-SP



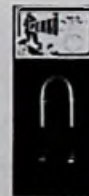
**BOW EYE — Fig. 237-SP**

**Stainless Steel 300 Series Non-Magnetic With Stainless Steel Nuts and Washers**

No.	Length Shank Inches	Diameter Shank Inches	Length Thread Inches	Inside Eye Inches	Safe Working Load Pounds	Cards Per Box	Weight Per Box Pounds
1	3	3/16	3	1	1800	6	2



Fig. 237-SP



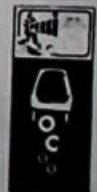
**BOW EYE — Fig. 1235-SP**

**Chrome Plated Zinc Eye — Zinc Plated Steel "U" Bolt, Nuts, and Washers**

Length Shank Inches	Diameter Shank Inches	Length Thread Inches	Inside Eye Inches	Safe Working Load Pounds	Cards Per Box	Weight Per Box Pounds
3	3/4	2 1/4	1	2000	6	4 1/4



Fig. 1235-SP



**NOTE**

FIGS. 237SP & 1235 SP ARE NOT DESIGNED TO BEAR THE WEIGHT OF THE VESSEL AND THEREFORE SHOULD NOT BE USED FOR LIFTING. THE SAFE WORKING LOAD INFORMATION GIVEN IS BASED ON A STRAIGHT AXIAL PULL. THIS WOULD NOT APPLY IN CASES WHERE INSTALLATION OR USE CREATES ANGULAR LOADING SINCE THESE VARIATIONS MAKE IT IMPRACTICABLE TO OFFER ACCURATE TEST DATA.

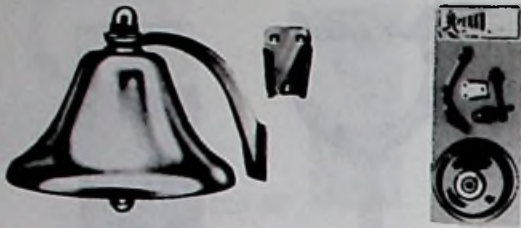


Fig. 159-SP

**FOG BELL — Fig. 159-SP**

**Stamped Brass — Chrome Plated**

**Removable**

Bottom Diameter Inches	Height Overall Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
6	4	4 F.H.	2	2¾

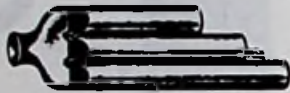


Fig. 167-SP

**TRIPLEX PLASTIC WHISTLE — Fig. 167-SP**

Length Overall Inches	Width Overall Inches	Cards Per Box	Weight Per Box Pounds
6	1¼	12	1½



Fig. 349-SP

**"BALL TYPE" WHISTLE — Fig. 349-SP**

**Orange Plastic**

Length Overall Inches	Width Overall Inches	Cards Per Box	Weight Per Box Pounds
2¼	¾	10	1¼

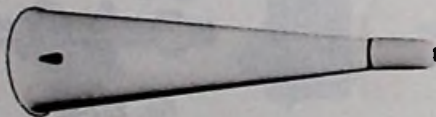


Fig. 162-SP

**FOG HORN — Fig. 162-SP**

**Aluminum — White Baked Enamel Finish — Nylon Mouth Piece**

Length Inches	Cards Per Box	Weight Per Box Pounds
12½	6	2½



Fig. 469-SP

**OUTRIGGER TROLLING PINS OR CLIPS — Fig. 469-SP**

**High Impact Black Plastic —**

**Stainless Steel Eyes and Spring**

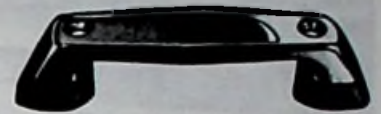
Dimensions Inches	Cards Per Box	Weight Per Box Pounds
2¼ x 1¼	6	3



**CHROMALEX® HANDLES — Fig. 1336-SP**

**Chrome Plated Zinc and Black Plastic**

Length Overall Inches	Length Inside Inches	Height Inside Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
6¼	3½	1	¼	6	7

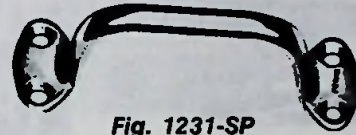


**Fig. 1336-SP**

**HANDLES — Fig. 1231-SP**

**Chrome Plated Zinc**

Length Overall Inches	Length Inside Inches	Height Inside Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
6	3½	1½	¼	6	6¼



**Fig. 1231-SP**



**HANDLES — Fig. 775-SP**

**Chrome Plated Bronze**

No.	Length Overall Inches	Length Inside Inches	Height Inside Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2	5¼	3¾	1¾	8	6	4



**Fig. 775-SP**

**CHROMALEX® STEP PLATES —**

**Figs. 1225-SP, 1325-SP, 1525-SP**

**Chrome Plated Zinc Frames — Molded Soft Plastic Pads**

**Fig. 1225-SP — White Pad**

**Fig. 1325-SP — Black Pad**

**Fig. 1525-SP — Teak Pad**

No.	Dimensions Inches	Screw Size	Plates Per Card	Cards Per Box	Weight Per Box Pounds
0	8¾ x 2¼	8	2	6	6
1	8¾ x 3¼	8	2	6	9½



**Fig. 1225-SP — White**



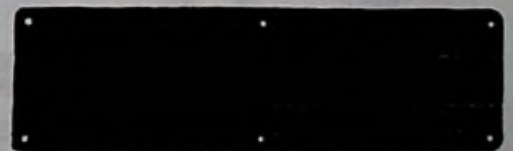
**Fig. 1325-SP — Black**

**Fig. 1525-SP — Teak**

**STEP PLATES — Figs. 1526-SP**

**Teak Molded Plastic — Frame Not Required**

No.	Dimensions Inches	Screw Size	Plates Per Card	Cards Per Box	Weight Per Box Pounds
1	9¾ x 2¼	8	2	6	3½



**Fig. 1526-SP**



Fig. 1252-SP

**CLEATS — Fig. 1252-SP**  
**Chrome Plated Zinc**

Length Inches	Size Base Inches	For Rope Diameter Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
6½	3 x 1½	¾	¼	2	5	4½



Fig. 566-SP



**CLEATS — Fig. 566-SP**  
**Chrome Plated Zinc**

Length Inches	Size Base Inches	For Rope Diameter Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
2	2¾ x 1½	¾	6	2	12	3½
3	3½ x 1½	¾	8	2	12	5½
4½	4¾ x 1½	½	10	2	6	8½
6	5½ x 2	¾	12	1	12	13



Fig. 1188-SP

**CLEATS — Fig. 1188-SP**  
**Chrome Plated Zinc**

Length Inches	Width Base Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
4	1½	10	2	6	5
6	1¾	10	1	6	4

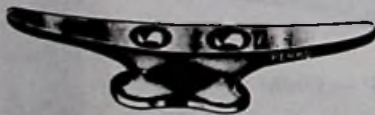


Fig. 544-SP



**CLEAT — Fig. 544-SP**  
**Chrome Plated Bronze**

Length Inches	Size Base Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
4	1½ x ¾	10	1	6	2½



Fig. 545-SP

**CLEATS — Fig. 545-SP**  
**Cast Aluminum — Plain Aluminum Finish**

Length Inches	Width Base Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
4	1½ x ¾	10	2	10	2½
5	2 x ¾	¼	2	10	3½
8	2½ x 1½	¼	1	5	2½



**CHROMALEX® CLEATS — Fig. 1305-SP**

Patent No. 3,828,714

**Closed Base Type**

**Chrome Plated Zinc with Black Plastic Base**

No.	Length Inches	Size Base Inches	For Rope Diameter Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
1	4½	3¾ x 1⅞	¾	10	2	6	4
2	6	5 x 1¾	½	¼	1	6	4



**Fig. 1305-SP**

**CHROMALEX® CLEATS — Fig. 1306-SP**

Patent No. 3,828,714

**Open Base Type**

**Chrome Plated Zinc with Black Plastic Base**

No.	Length Inches	Size Base Inches	For Rope Diameter Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
1	4½	2½ x 1⅞	¾	10	2	6	4
2	6	3¾ x 1¾	½	¼	1	6	4



**Fig. 1306-SP**



**CHROMALEX® III CLEATS — Fig. 1505-SP**

Patent No. 3,828,714

**Closed Base Type**

**Chrome Plated Zinc with Teak Insert — Black Plastic Base**

No.	Length Inches	Size Base Inches	For Rope Diameter Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
1	4½	3¾ x 1⅞	¾	10	2	6	4
2	6	5 x 1¾	½	¼	1	6	4



**Fig. 1505-SP**

**CHROMALEX® III CLEATS — Fig. 1506-SP**

Patent No. 3,828,714

**Open Base Type**

**Chrome Plated Zinc with Teak Insert — Black Plastic Base**

No.	Length Inches	Size Base Inches	For Rope Diameter Inches	Screw Size	Cleats Per Card	Cards Per Box	Weight Per Box Pounds
1	4½	2½ x 1⅞	¾	10	2	6	4
2	6	3¾ x 1¾	½	¼	1	6	4



**Fig. 1506-SP**



**WATER SKI TOWING HOOK — Fig. 863-SP**

**Chrome Plated Zinc Body with Zinc Plated Steel Bolt, Nuts, and Washer**

Length Overall Inches	Diameter Bolt Inches	Length Bolt Inches	Length Thread Inches	Cards Per Box	Weight Per Box Pounds
6	¾	3¼	2½	6	3¼



**Fig. 863-SP**



Fig. 1307-SP



**CHROMALEX® CHOCKS — Fig. 1307-SP**

Patent No. 3,828,714

**Skene Type — Chrome Plated Zinc and Black Plastic**

No.	Length Inches	Width Base Inches	For Rope Diameter Inches	Screw Size	Chocks Per Card	Cards Per Box	Weight Per Box Pounds
1	3½	¾	¾	10	1 pr.	12	3½
2	5	1	½	¼	1 pr.	6	4



Fig. 1308-SP

**CHROMALEX® CHOCKS — Fig. 1308-SP**

Patent No. 3,828,714

**Straight Type — Chrome Plated Zinc and Black Plastic**

No.	Length Inches	Width Base Inches	For Rope Diameter Inches	Screw Size	Chocks Per Card	Cards Per Box	Weight Per Box Pounds
1	3½	¾	¾	10	1 pr.	12	3½
2	5	1	½	¼	1 pr.	6	4



Fig. 1223-SP



**BOW CHOCKS — Fig. 1223-SP**

**Skene Type — Chrome Plated Zinc**

Length Inches	Width Inches	For Rope Diameter Inches	Screw Size	Chocks Per Card	Cards Per Box	Weight Per Box Pounds
3½	¾	½	8	1 pr.	12	4½



Fig. 546-SP

**BOW CHOCKS — Fig. 546-SP**

**Chrome Plated Bronze**

Length Inches	Width Inches	For Rope Diameter Inches	Screw Size	Chocks Per Card	Cards Per Box	Weight Per Box Pounds
4	¾	¾	10	1 pr.	6	4



Fig. 119-SP



**CHOCK — Fig. 119-SP**

**Straight Type — Chrome Plated Bronze**

Length Inches	Width Inches	For Rope Diameter Inches	Screw Size	Chocks Per Card	Cards Per Box	Weight Per Box Pounds
4	¾	¾	8	1	6	2½



**TILLER ROPE PULLEYS — Fig. 565-SP**

**Swivel Type with Strap — For 1/4" Rope  
Stainless Steel — White Plastic Sheave**

Length Overall Inches	Diameter Sheave Inches	Length Strap Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3 3/4	2 1/16	1 1/8	10 R.H.	12	4 1/2

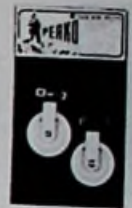


Fig. 565-SP

**TILLER ROPE PULLEYS — Fig. 634-SP**

**Swivel Snap Hook Type — For 1/4" Rope  
Stainless Steel — White Plastic Sheave**

Length Overall Inches	Snap Throat Opening Inches	Diameter Sheave Inches	Cards Per Box	Weight Per Box Pounds
4 1/8	1/2	2 1/16	12	5 1/4

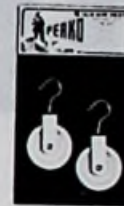


Fig. 634-SP

**TILLER ROPE TIGHTENERS — Fig. 732-SP**

**18-8 Stainless Steel or Cadmium Plated Steel**

Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Cards Per Box	Weight Per Box Pounds
4	5	1	12	5 1/2

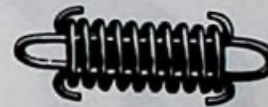


Fig. 732-SP — CAD.

Fig. 732-SP — STS.

**TILLER ROPE CLAMPS — Fig. 1226-SP**

**Chrome Plated Zinc  
For 1/8" and 3/16" Rope**

Length Inches	Width Inches	Cards Per Box	Weight Per Box Pounds
1 1/4	1 1/16	12	2 1/4



Fig. 1226-SP

**EYE STRAPS — Fig. 1242-SP**

**Chrome Plated Zinc**

Length Inches	Size Eye Inches	Screw Size	Straps Per Card	Cards Per Box	Weight Per Box Pounds
1 1/4	1/16	8	6	10	2 1/4

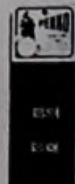


Fig. 1242-SP

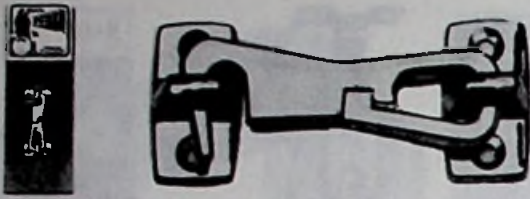


Fig. 1287-SP

**CABIN DOOR HOOK — Fig. 1287-SP**

Patent No. 197,531

Chrome Plated Zinc

No.	Length Hook Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2	2½	6	6	¾

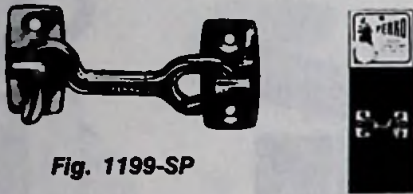


Fig. 1199-SP

**CABIN DOOR HOOK — Fig. 1199-SP**

Chrome Plated Zinc

No.	Length Hook Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1	1¼	6	12	2

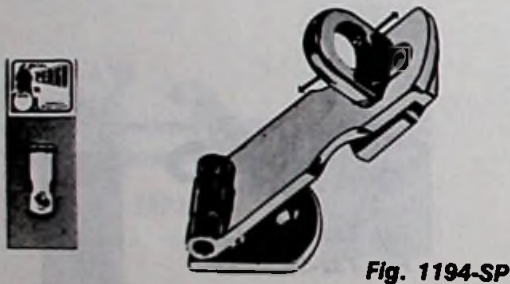


Fig. 1194-SP

**HASP — Fig. 1194-SP**

Chrome Plated Zinc

Padlock eye swivels to act as a latch.

Length Closed Inches	Width Inches	Padlock Clearance Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3	1	1½	6	5	1¼



Fig. 1198-SP

**HASP — Fig. 1198-SP**

Chrome Plated Zinc

No.	Length Closed Inches	Width Inches	Padlock Clearance Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2	3	1	¼	6	12	2½

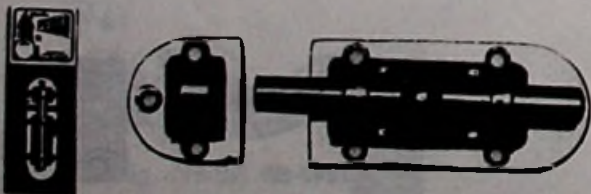


Fig. 947-SP

**BARREL BOLT — Fig. 947-SP**

Chrome Plated Bronze

Supplied with black plastic friction pad to eliminate rattle and provide smooth operation.

No.	Dimensions Overall Inches	Cards Per Box	Weight Per Box Pounds
2	4½ x 1½	5	1½



**CUPBOARD BOLT — Fig. 1101-SP**  
**Chrome Plated Zinc and Black Plastic**

Overall Dimensions Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2½ x 1½	6	6	1¼

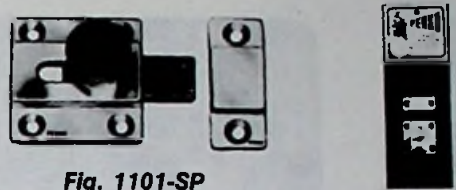


Fig. 1101-SP

**CUPBOARD CATCH — Fig. 1102-SP**  
**Chrome Plated Zinc**  
**Supplied with Flush and Offset Strike**

Overall Dimensions Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1½ x 1¼	6	6	1

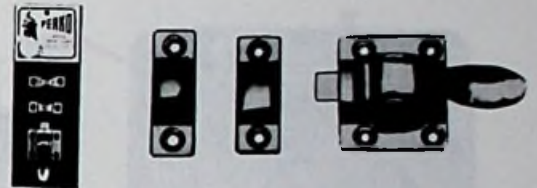


Fig. 1102-SP

**HATCH FASTENER OR WINDSHIELD KEEPER — Fig. 769-SP**  
**Chrome Plated Brass and Zinc with Black Plastic Handle**

Dimensions Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1½ x ¾	8	5	1½

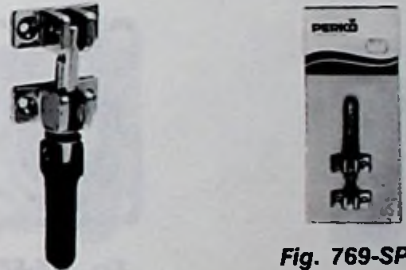


Fig. 769-SP

**HOLD DOWN CLAMP — Fig. 1112-SP**  
**Chrome Plated Bronze**  
**Flat Mount**

Length Inches	Width Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3	1½	8	3	1¼



Fig. 1112-SP

**HOLD DOWN CLAMP — Fig. 1113-SP**  
**Chrome Plated Bronze**  
**Angle Mount**

Length Inches	Width Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2½	1½	8	3	1¼



Fig. 1113-SP



Fig. 1220-SP

**LIFTING HANDLE — Fig. 1220-SP**

**Chrome Plated Zinc**

Size Plate Inches	Inside Handle Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3 x 2¼	1¼ x 1	8	10	2½



Fig. 776-SP

**LIFTING HANDLE — Fig. 776-SP**

**Chrome Plated Bronze**

No.	Size Plate Inches	Inside Handle Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1	3 x 2¼	1¼ x 1	8	6	1¼



Fig. 575-SP

**FLUSH RING PULL — Fig. 575-SP**

**Chrome Plated Bronze**

Size Plate Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2¼ x 2	8	12	1½

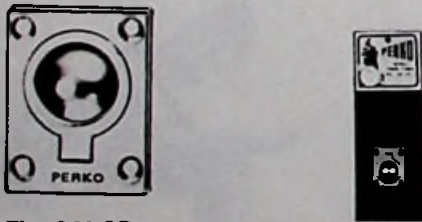


Fig. 841-SP

**FLUSH RING PULL — Fig. 841-SP**

**Chrome Plated Zinc**

Size Plate Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1¾ x 1¾	6	12	1



Fig. 1232-SP

**FLUSH RING PULL — Fig. 1232-SP**

**Chrome Plated Zinc**

No.	Diameter Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1	1¾	6	10	1¼



**FLUSH PULL — Fig. 1221-SP**

**Chrome Plated Zinc with Black Plastic Finishing Frame**  
**Spring Loaded — Can be mounted horizontally or vertically**

Dimensions Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
¾ x ¾	8	10	1¼



Fig. 1221-SP

**BUTT HINGE — Fig. 1293-SP**

**Chrome Plated Zinc**  
**Removable Pin**

No.	Pin Length Inches	Width Open Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
4	2	2	8	10	2¼

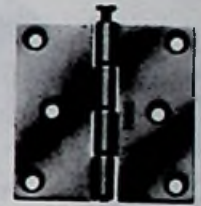


Fig. 1293-SP

**HINGE — Fig. 271-SP**

**Chrome Plated Brass**  
**Semi-Concealed**

**For use on doors with 3/8" inset.**

Length Overall Inches	Width at Pin Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
2¼	1½	5	10	2

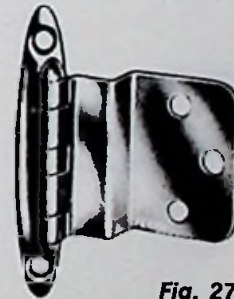


Fig. 271-SP

**CUDDY DOOR HINGE — Fig. 808-SP**

**Chrome Plated Zinc**

Length Open Inches	Width Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3	1½	8	10	2¼



Fig. 808-SP

**HINGE — Fig. 924-SP**

**Chrome Plated Brass**

Length Open Inches	Width Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3	1½	6	12	2



Fig. 924-SP



Fig. 1021-SP

**ELBOW CATCH — Fig. 1021-SP**

**Black Plastic**

Size Base Inches	Screw Size	Catches Per Card	Cards Per Box	Weight Per Box Pounds
1 1/8 x 3/8	6	6	10	1 1/2

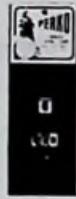


Fig. 1056-SP

**ELBOW CATCH — Fig. 1056-SP**

**Chrome Plated Zinc**

Size Base Inches	Screw Size	Catches Per Card	Cards Per Box	Weight Per Box Pounds
1 1/8 x 3/16	6	1	12	1

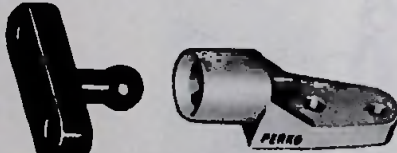


Fig. 559-SP

**DOOR CATCH — Fig. 559-SP**

**Black Plastic**

Stud Size Inches	Catch Size Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/8 x 3/8	1 1/8 x 3/8	4	25	1



Fig. 921-SP

**FLUSH LOCK — Fig. 921-SP**

**Chrome Plated Zinc**

Size Inches	Cards Per Box	Weight Per Box Pounds
2 1/4 x 2	5	2 1/4

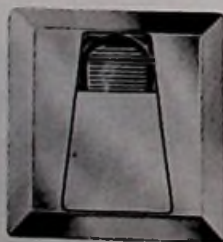


Fig. 922-SP

**FLUSH LATCH — Fig. 922-SP**

**Chrome Plated Zinc**

**Non-Locking Type**

Size Inches	Cards Per Box	Weight Per Box Pounds
2 1/4 x 2	5	2 1/4



**SLIDING WINDOW LOCK AND ANTI RATTLER — Fig. 937-SP**  
**Chrome Plated Zinc — Black Plastic Knob and Tip**

Height Overall Inches	Mounting Plate Inches	Adjustment Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 $\frac{1}{4}$	1 x $\frac{3}{4}$	1 $\frac{1}{4}$	8	6	2

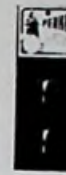


Fig. 937-SP

**DOOR BUTTON — Fig. 1216-SP**  
**Chrome Plated Zinc — Black Plastic Knob — Bronze Spring**

Diameter Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 $\frac{1}{4}$	6	12	1 $\frac{3}{4}$



Fig. 1216-SP

**HOOKS — Fig. 610-SP**  
**Chrome Plated Zinc**

Projection Inches	Width Base Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 $\frac{1}{4}$	1 $\frac{1}{4}$	6	10	$\frac{3}{4}$

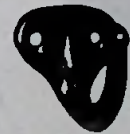


Fig. 610-SP

**SWIVEL EYE SNAP — Fig. 659-SP**  
**Cast Bronze**

Inside Diameter Eye Inches	Length Inches	Inside Hook Inches	Cards Per Box	Weight Per Box Pounds
$\frac{3}{4}$	3 $\frac{1}{2}$	$\frac{7}{16}$	10	2

This Snap not to be used for lifting, winching, towing or mooring or like applications.



Fig. 659-SP

**SWIVEL EYE SNAP — Fig. 1289-SP**  
**Chrome Plated Zinc — Interlocking Tongue**

Inside Diameter Eye Inches	Length Inches	Cards Per Box	Weight Per Box Pounds
$\frac{5}{8}$	3	12	2 $\frac{1}{2}$

This Snap not to be used for lifting, winching, towing or mooring or like applications.



Fig. 1289-SP



Fig. 1246-SP

## FENDER HOOKS — Fig. 1246-SP

Chrome Plated Zinc

For Rope Diameter Inches	Size Plate Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3/4	1 3/4 x 1 1/4	6	12	2 3/4



Fig. 1299-SP



## FENDER LOCKS — Fig. 1299-SP

Chrome Plated Zinc

Eye is permanently attached to fender line for quick and easy installation

Diameter Flange Inches	I.D. Eye Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1 1/2	3/8	8	12	2 1/4



Fig. 1249-SP

## UTILITY HOOKS — Fig. 1249-SP

Chrome Plated Zinc

Length Inches	Width Inches	Inside Hook Inches	Screw Size	Hooks Per Card	Cards Per Box	Weight Per Box Pounds
1 9/16	1/2	1/4	6	6	10	2 1/4



Fig. 1017-SP



## RING BUOY HOLDER — Fig. 1017-SP

Chrome Plated Brass

Width Mounting Plate Inches	Height Overall Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3	4 1/2	8	4	2 1/2



Fig. 533-SP



## HAND WINDSHIELD WIPER — Fig. 533-SP

Stainless Steel Arm and Blade Holder

Other parts Chrome Plated Zinc

For straight and curved windshields

Arm can be extended from 6 3/4 to 10 1/2 inches and spring tension is adjustable.

Length Overall Inches	Diameter Shaft Inches	Maximum Thickness Inches	Length Handle Inches	Length Blade Inches	Cards Per Box	Weight Per Box Pounds
8 to 11 1/2	3/8	1 1/8	2 1/2	12	3	2



**BOAT HOOK HOLDERS — Fig. 492-SP**

Polished Stainless Steel

Length Inches	Width Inches	Maximum Pole Size Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3½	1	1½	6	12	3

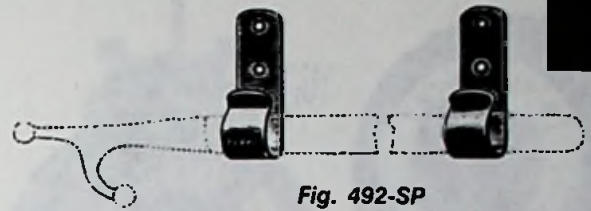


Fig. 492-SP

**SPRING CLAMPS — Fig. 502-SP**

Polished Stainless Steel

No.	Adjust- ability Inches	Length From Wall Inches	Width of Metal Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
1	¾ to 1¼	1½	½	6 R.H.	12	3

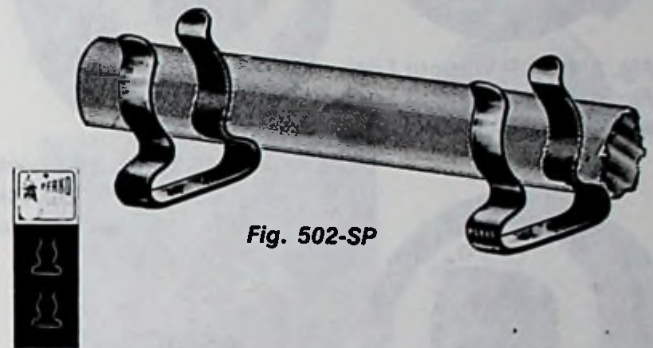


Fig. 502-SP

**BOAT COVER SOCKETS — Fig. 578-SP**

Chrome Plated Zinc

Length Overall Inches	Width Overall Inches	Size Opening Inches	Screw Size	Cards Per Box	Weight Per Box Pounds
3¾	¾	1½ x ¼	8	12	3

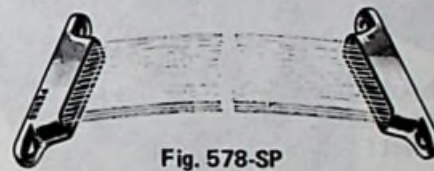
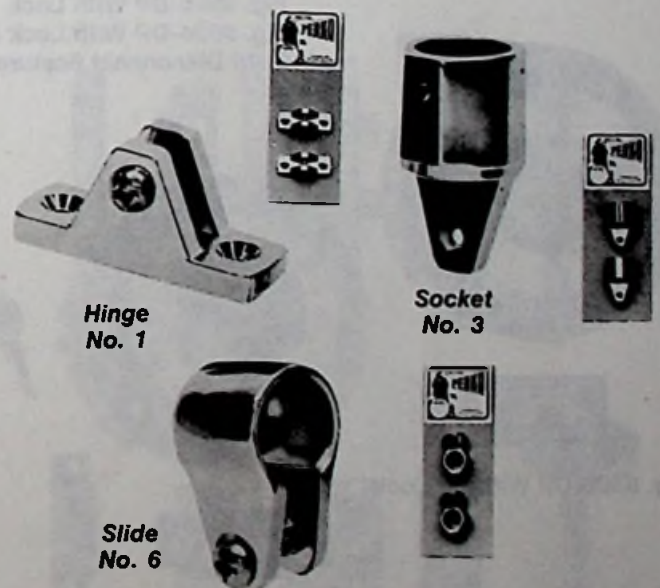


Fig. 578-SP

**CONVERTIBLE TOP FITTINGS — Fig. 395**

Chrome Plated Zinc

No.	Item	Screw Size	Cards Per Box	Weight Per Box Pounds
1	Deck Hinge or Bracket	8	6	1¾
3	Socket for ¾ inch tubing	—	6	1¾
6	Slide for ¾ inch tubing	—	6	1¾



Hinge  
No. 1

Socket  
No. 3

Slide  
No. 6

Fig. 395-SP



# DISPLAY PACK SECTION



**Fig. 8501-DP Without Lock**  
**Fig. 8503-DP Without Lock,**  
**with Field Disconnect Feature**

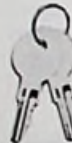
**Fig. 8502-DP With Lock**  
**Fig. 8504-DP With Lock &**  
**Field Disconnect Feature**

## 8500 SERIES BATTERY SELECTOR SWITCHES

**Ignition Protected — Make Before Break Design —**  
**for Use With Two or More Batteries — Copper**  
**Contacts.**

*Options include Built-in Key Lock For Extra Theft Protection*  
*and Alternator Field Disconnect Feature Which Protects Alternator*  
*From Damage if Switch is Accidentally Switched to Off Position While*  
*Engine is Running.*

For use with systems under 50 Volts.  
 Capacity, 250 Amps Continuous, 360 Amps  
 Intermittent.



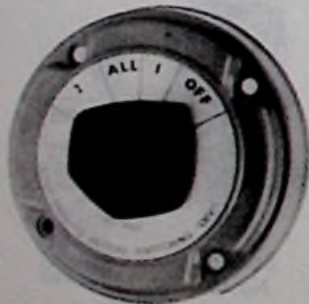
**Fig. 9601-DP Without Lock**  
**Fig. 9603-DP Without Lock,**  
**with Field Disconnect Feature**

**Fig. 9602-DP With Lock**  
**Fig. 9604-DP With Lock &**  
**Field Disconnect Feature**

## 9600 SERIES MAIN BATTERY SWITCHES ON-OFF TYPE

These units are the same basic design and con-  
 struction as our 8500 Series except they are offered  
 as main disconnect switches.

For use with systems under 50 Volts.  
 Capacity, 250 Amps Continuous, 360 Amps  
 Intermittent.



## FIGS. 8505 & 8506 BATTERY SELECTOR SWITCH WITH REMOTE INDICATOR PANEL

These units are the same basic design and con-  
 struction as Figs. 8501 & 8502 except they have  
 two extra terminals for use in conjunction with the  
 indicator panel.

For use with 12 Volts systems only.  
 Capacity, 250 Amps continuous, 360 Amps  
 Intermittent.

**Fig. 8505-DP Without Lock**

**Fig. 8506-DP With Lock**

All of the above switches are protected by the following U.S. Patents;

Design 260,367 — 4,280,028 — 4,424,424





# DISPLAY PACK SECTION



## SPREADER LIGHT — FIG. 1040 -DP



**ADJUSTABLE**  
 Molded Black Plastic Body  
 Chrome Plated Brass Mounting Bracket  
 with 12 Volt Sealed Beam Unit

Diameter Inches	Depth Inches	Mounting Bracket Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
4-1/2	4-1/2	4-1/2X1	12 R.H.	5	9



Fig. 1040

## SPREADER LIGHT — Fig. 280 - DP

**ADJUSTABLE**  
 Chrome Plated Brass with 12 Volt Sealed Beam Unit

Diameter Inches	Depth Inches	Mounting Bracket Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
4-5/8	2-1/2	5-3/8X3/4	12	5	6



Fig. 280-DP

## SWITCH PANEL — FIG. 517-DP

Black Textured Finish — Embossed Lettering — Molded Flexible Plastic which will mount on Curved and Flat Surfaces.

Complete with switches, fuse holders, and name plates. Switches rated 15 Amps at 12 Volts. Fuse holders for 1/4" X 1-1/4" fuses.

Dimensions Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
6-1/2 X 4-1/4	6	5	4



Fig. 517-DP

## RIM LOCK SETS — FIG. 918-DP & 919-DP

Chrome Plated Zinc

Fig. 918-DP — Regular Bevel With Box Strike.

Fig. 919-DP — Reverse Bevel With Flush Strike.

Locked by dead bolt from inside or key from outside.

Size Case Inches	Size Escutcheon Inches	For Door Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
3-7/8 X 2	4-3/8 X 1-1/4	3/4 -1-1/2	6	5	6-1/2

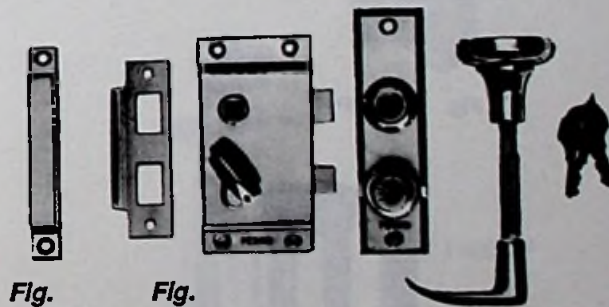


Fig. 918-DP

Fig. 919-DP

## RIM LOCK SETS — FIG. 928-DP & 930-DP

Chrome Plated Zinc

Fig. 928-DP — Regular Bevel With Box Strike.

Fig. 930-DP — Reverse Bevel With Flush Strike.

Locked by slide button from inside, no keys.

Size Case Inches	Size Escutcheon Inches	For Door Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
2-1/8 X 1-3/4	4-3/8 X 1-1/4	3/4 -1-1/2	6	5	4

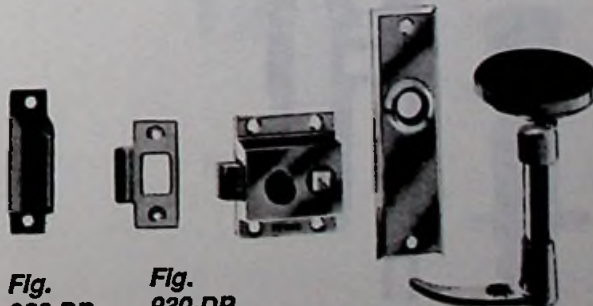


Fig. 928-DP

Fig. 930-DP



# DISPLAY PACK SECTION



Fig. 444 No. 1-DP

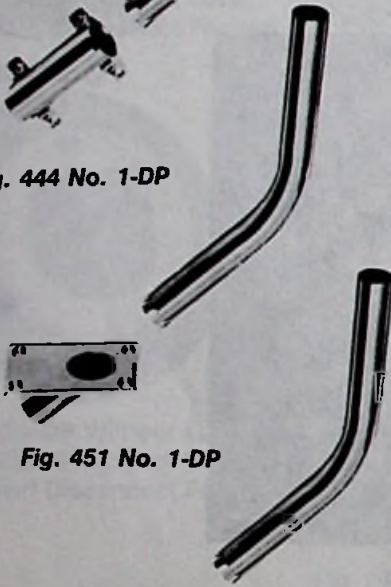


Fig. 451 No. 1-DP

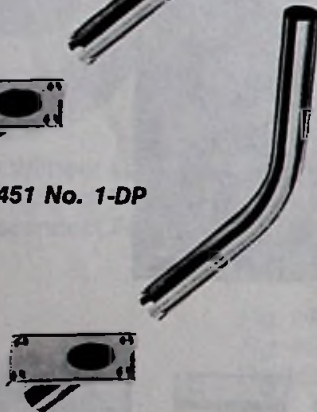


Fig. 1314-DP



Fig. 1118-DP

## OUTRIGGER POLE HOLDERS — Fig. 444-DP

Side Mount — Chrome Plated Bronze Brackets with Polished Stainless Steel Tubes

Removable Universal Tubes. Tubes lift and turn to 3 positions — Vertical, Fishing, and Lowered.

No.	Outside Diameter Tube Inches	Nominal Inside Diameter Tube Inches	Dimensions Bracket Inches	Bolt Size	Packs Per Box	Weight Per Box Pounds
1	1 1/4	1.120	4 1/2 x 3	1/4	5	15

NOTE: For use with Outrigger Poles Fig. 460 No. 15 and 1098 Nos. 16 and 18.

## OUTRIGGER POLE HOLDERS — Fig. 451-DP

Deck Mount — Chrome Plated Bronze Plates with Polished Stainless Steel Tubes

Removable Universal Tubes. Tubes lift and turn to 3 positions — Vertical, Fishing, and Lowered.

No.	Outside Diameter Tube Inches	Nominal Inside Diameter Tube Inches	Dimensions Bracket Inches	Bolt Size	Packs Per Box	Weight Per Box Pounds
1	1 1/4	1.120	5 x 2 1/2	1/4	5	30

NOTE: For use with Outrigger Poles Fig. 460 No. 15 and 1098 Nos. 16 and 18.

## OUTRIGGER POLE HOLDERS — Fig. 1314-DP

Deck Mount — Chrome Plated Zinc Plates with Stainless Steel Tubes

Removable Universal Tubes. Tubes lift and turn to 3 positions — Vertical, Fishing, and Lowered.

Outside Diameter Tube Inches	Nominal Inside Diameter Tube Inches	Dimensions Bracket Inches	Bolt Size	Packs Per Box	Weight Per Box Pounds
1 1/4	1.120	5 x 2 1/2	1/4	5	22

NOTE: Not designed for use with aluminum poles i.e. Fig. 1098.  
For use with outrigger poles Fig. 460 No. 15

## FISHING ROD HOLDER — Fig. 1118-DP

Clamp On — Chrome Plated Brass and Bronze with Soft Black Vinyl Liner

Clamp on feature eliminates drilling rail — simplifies relocation — mounts on vertical or horizontal rails 3/4 to 1 inch diameter.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Tube Inches	Packs Per Box	Weight Per Box Pounds
1 1/4	2	9	5	11





# DISPLAY PACK SECTION



## FISHING ROD HOLDER — Fig. 448-DP

Chrome Plated Bronze Flange

Brass Tube with Soft Black Vinyl Liner

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Bolt Size	Packs Per Box	Weight Per Box Pounds
1	1 1/4	2	8	4 1/4 x 3 1/2	1/4	5	6 1/2



Fig. 448 No. 1-DP

## FISHING ROD HOLDER — Fig. 1205-DP

Chrome Plated Zinc Flange — Anodized Aluminum Tube with Soft Black Vinyl Liner

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Bolt Size	Packs Per Box	Weight Per Box Pounds
	1 1/4	2	8	4 1/4 x 3 1/2	1/4	5	5 1/4



Fig. 1205-DP

## FISHING ROD HOLDER — Fig. 452-DP

Polished Stainless Steel Flange — Stainless Steel Tube With Soft Black Vinyl Liner — Molded Plastic Mounting Gasket

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Bolt Size	Packs Per Box	Weight Per Box Pounds
	1 1/4	2	8 1/4	4 1/4 x 3 3/4	8	5	4 1/4



Fig. 452-DP

## FISHING ROD HOLDER — Fig. 1100-DP

Chrome Plated Brass with Soft Black Vinyl Liner

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Overall Inches	Width Bracket Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
	1 1/4	2	9	3	8	5	5 1/4



Fig. 1100-DP

## FISHING ROD HOLDER — Fig. 1104-DP

Black Plastic with Chrome Plated Brass Brackets

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Overall Inches	Width Bracket Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
	1 1/4	2	9	3 1/4	8	5	3



Fig. 1104-DP



# DISPLAY PACK SECTION



Fig. 1330 No. 2-DP



Fig. 1630 No. 2-DP



Figs. 1430 No. 2-DP & 1530 No. 2-DP



Fig. 1611 No. 2-DP



Fig. 1311 No. 2-DP



Figs. 1411 No. 2-DP & 1511 No. 2-DP

## ALL-ROUND WHITE LIGHTS — Fig. 1330-DP & 1630-DP

Stow-a-way Type

Chrome Plated Zinc Tops and Bases

3/4" Diameter Anodized Aluminum Tube — Clear or White Globe — 2 Mile Visibility — complete with 12 Volt bulb.

Removable light with waterproof cover for base.

For use on power driven vessels under 20 meters (65.6 ft.)

Fig. No.	Length Inches	Vertical Height Inches	Base Length Inches	Base Width Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
1330 No. 2-DP	24	19 3/8	3 1/4	1 1/8	8	5	5
1630 No. 2-DP	24	19 1/8	3 1/4	1 1/8	8	5	5

## ALL-ROUND WHITE LIGHTS — Fig. 1430-DP & 1530-DP

Stow-a-way Type

Chrome Plated Zinc Tops and Bases

3/4" Diameter Anodized Aluminum Tube — White Globe — 2 Mile Visibility — complete with 12 Volt bulb.

Removable light with waterproof cover for base.

For use on power driven vessels under 20 meters (65.6 ft.)

Fig. 1430 No. 2 — with Black Insert

Fig. 1530 No. 2 — with Teak Insert

Fig. No.	Length Inches	Vertical Height Inches	Base Length Inches	Base Width Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
1430 No. 2-DP	24	20 1/2	3 1/2	1 1/2	8	5	5
1530 No. 2-DP	24	20 1/2	3 1/2	1 1/2	8	5	5

## ALL-ROUND WHITE LIGHTS — Fig. 1311-DP & 1611-DP

Telescoping Type

Chrome Plated Zinc Tops and Bases

3/4" Diameter Anodized Aluminum Tube — Clear or White Globe — 2 Mile Visibility — complete with 12 Volt bulb.

For use on power driven vessels under 20 meters (65.6 ft.)

Fig. No.	Length Inches	Vertical Height Inches	Base Length Inches	Base Width Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
1311 No. 2-DP	24	20	3 1/4	1 1/8	8	5	5
1611 No. 2-DP	24	19 1/2	3 1/4	1 1/8	8	5	5

## ALL-ROUND WHITE LIGHTS — Fig. 1411-DP & 1511-DP

Telescoping Type

Chrome Plated Zinc Tops and Bases

3/4" Diameter Anodized Aluminum Tube — White Globe — 2 Mile Visibility — complete with 12 Volt bulb.

For use on power driven vessels under 20 meters (65.6 ft.)

Fig. 1411 No. 2 — with Black Insert

Fig. 1511 No. 2 — with Teak Insert

Fig. No.	Length Inches	Vertical Height Inches	Base Length Inches	Base Width Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
1411 No. 2-DP	24	21	3 1/2	1 1/2	8	5	5
1511 No. 2-DP	24	21	3 1/2	1 1/2	8	5	5





# DISPLAY PACK SECTION



**ALL-ROUND WHITE LIGHT — Fig. 1209-DP**

**Stow-a-way Type**

**Chrome Plated Brass Top and Base**

**3/4" Diameter Anodized Aluminum Tube — Clear Globe — 2 Mile Visibility — complete with 12 Volt bulb.**

**Removable light with waterproof cover for base.**

For use on power driven vessels under 20 meters (65.6 ft.)

No.	Length Inches	Vertical Height Inches	Base Length Inches	Base Width Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
2	24	20 $\frac{3}{4}$	3 $\frac{3}{8}$	2 $\frac{1}{4}$	8	5	6



Fig. 1209 No. 2-DP

**ALL-ROUND WHITE LIGHT — Fig. 1126-DP**

**Telescoping Type**

**Chrome Plated Brass Top and Base**

**3/4" Diameter Anodized Aluminum Tube — Clear Globe — 2 Mile Visibility — complete with 12 Volt bulb.**

For use on power driven vessels under 20 meters (65.6 ft.)

No.	Length Inches	Vertical Height Inches	Base Length Inches	Base Width Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
2	24	21 $\frac{1}{2}$	3 $\frac{3}{8}$	2 $\frac{1}{4}$	8	5	6

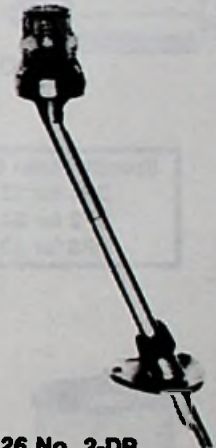


Fig. 1126 No. 2-DP

**ALL-ROUND WHITE LIGHTS — Fig. 1400-DP**

**Universal Replacement**

**Stow-a-way Type**

**Chrome Plated Zinc Tops**

**3/4" Diameter Anodized Aluminum Tube — White Globe — 2 Mile Visibility — complete with 12 Volt bulb.**

For use on power driven vessels under 20 meters (65.6 ft.)

This unit has been designed to fit PERKO Figs. 1330, 1430, 1530, 1630 and 1631 as well as many competitive pole light bases.

It is offered as an economical alternative to replacing an entire light fixture when only the pole section has been lost or damaged.

No.	Length Inches	Packs Per Box	Weight Per Box Pounds
2	24	10	5
3	30	10	6 $\frac{1}{4}$
4	36	10	7 $\frac{1}{4}$
5	42	10	8 $\frac{3}{4}$
6	48	10	10
7	54	10	11 $\frac{1}{4}$

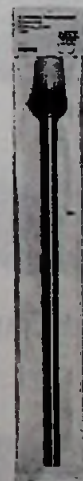


Fig. 1400-DP



# DISPLAY PACK SECTION



## ALL-ROUND WHITE LIGHTS — Figs. 1401-DP & 1402-DP LOW PROFILE BASE

Chrome Plated Zinc Tops and Bases  
3/4" Diameter Anodized Aluminum Tube — White  
Globe — 2 Mile Visibility — complete with 12 Volt bulb.

For use on power driven vessels under 20 meters (65.6 ft.)



Fig. 1401 No. 2 — Telescoping Type  
Fig. 1402 No. 2 — Stowaway Type with Waterproof Cover for Base



Fig. 1401 No. 2-DP  
with Black Insert

Fig. 1402 No. 2-DP  
with Black Insert

Fig. No.	Length Inches	Vertical Height Inches	Base Length Inches	Base Width Inches	Screw Size	Packs Per Box	Weight Per Box Pounds
1401 No. 2-DP	24	20-1/2	3-3/4	1-1/2	8	5	5
1402 No. 2-DP	24	20-1/2	3-3/4	1-1/2	8	5	5



## NAVIGATION LIGHTS

BLACK PLASTIC – BASE, TOP OR RAIL MOUNT  
Complete with 12, 24, or 32 Volt Bulb

FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 FT.)

Specify When Ordering:  
DP1 for 12 Volt  
DP2 for 24 Volt  
DP3 for 32 Volt

	Height Inches	Size Base Inches	Projection Inches	Packs per Box	Weight Per Box Pounds
Base Mount	4-7/8	3-5/16	—	5	3
Top Mount	4-13/16	—	3-9/16	5	4
200 TAB	8-5/8	3-5/16	—	5	4-1/2



Fig. 200 TAB

Fig. No.	Description	Mounting	Wattage	Visibility Miles
200 SDB	Green Side Light	Base	25	2
200 PB	Red Side Light	Base	25	2
200 MB	White Masthead Light	Base	25	3
200 SNB	White Stern Light	Base	10	2
200 SWB	White All-Round Light	Base	10	2
*200 TB	Tri-Color Light	Base	25	2
*200 TAB	Tri-Color/White All-Round Light	Base	25/10	2/2
200 BT	Combination Side Light	Top	25	2
200 SDT	Green Side Light	Top	25	2
200 PT	Red Side Light	Top	25	2
200 MT	White Masthead Light	Top	25	3
200 SNT	White Stern Light	Top	10	2

\*For Use on Sail Alone.



Fig. 200 – TOP MOUNT



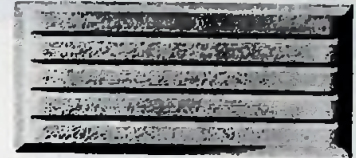
Fig. 200 - BASE MOUNT



# SECTION S

# PERKO®

## SPARE PARTS



MANUFACTURED BY PERKO, INC., 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164-0414  
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# S-2

# SPARE PARTS FOR SECTION A

Page No.	For Fig. No.	Description	Spare Part #	
A-3	Entire Page	Bulb	71	
	Entire Page	Lenses	283 Specify Color	
	Entire Page	Base with socket assembly	136	
A-4	Entire Page	Bulb	71	
	1610	Lenses	283A Specify Color	
	904	Lenses	296 Specify Color	
	972	Lenses	296 Specify Color	
	1218	Lenses	259A Specify Color	
	1610	Base with socket assembly	139	
	904	Base with socket assembly	107	
	972	Base with socket assembly	135	
A-5	Entire Page	Bulb	71	
	970	Lenses	296 Specify Color	
	1612	Lenses	283A Specify Color	
	1201	Clear Lens	278	
	1201	Red/Green Lens	1201 — 99A	
	970	Top Base with socket assembly	970 — 99A	
	1612	Top Base with socket assembly	1612 — 99A	
	970-1612	Mounting Base	1023	
A-6	Entire Page	Bulb	71	
	955	Lenses	260 Specify Color	
	915-963	Lenses	281A Specify Color	
	1264	Lenses	1264 — 99R, 1264 — 99G	
	915	Base with socket assembly	107	
	963	Base with socket assembly	135	
	955	Base with socket assembly	955 — 99A	
	1264	Socket assembly	130	
	A-7	965-945-1332	Bulb	71
		939-946	Bulb	70 No. 0, 12 Volt
			70 No. 2, 32 Volt	
965		Lenses	281A	
945		Lenses	74	
939		Lens with gasket	284	
946		Lens with gasket	946 — 99A	
1332		Lenses	278	
965		Base with socket assembly	135	
945		Base with socket assembly	945 — 99A	
939		Socket assembly	939 12V 99A	
			939 32V 99A	
A-8	Entire Page	Bulb	337 No. 11	
	Entire Page	Globes	248-CLR	
	Entire Page	D.C. Socket	24 No. 2	
	1311-1148	Mounting Base	1156	
	1126	Mounting Base	1126 — 99A	
A-9	Entire Page	Bulb	337 No. 12	
	Entire Page	Globes	201	
	1411	Mounting Base	1411 — 99A	
	1511	Mounting Base	1511 — 99A	
A-10	1209-1330	Bulb	337 No. 11	
	1630, 1631	Bulb	337 No. 12	
	1209-1330	Globe	248-CLR	
	1630, 1631	Globe	201	
	Entire Page	D.C. Socket	24 No. 2	
	1330-1630	Mounting Base	1330 — 99A	
	1209	Mounting Base	1209 — 99A	
	1209	Cap for Mounting Base	1209 — 99B	
	1631	Mounting Base	1023	
	A-11	Entire Page	Bulb	337 No. 12
Entire Page		Globes	201	
Entire Page		D.C. Socket	24 No. 2	
1430		Mounting Base	1430 — 99A	
1530		Mounting Base	1530 — 99A	

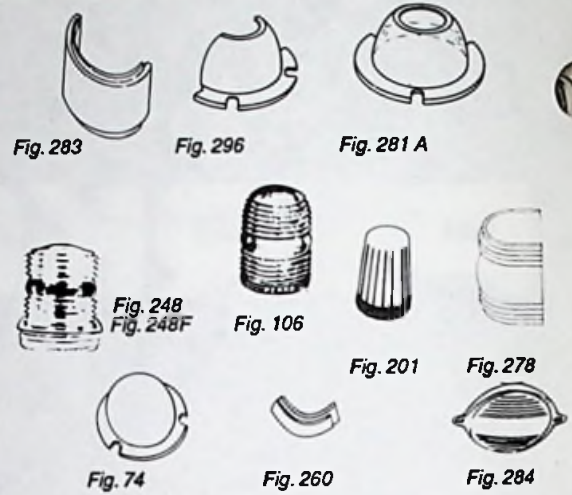


Fig.	Height	I.D.	O.D.
74	1-1/4"	1-9/16"	2-3/16"
106	5"	2-7/8"	3-1/4"
201	2-15/16"	1-1/2"	1-9/16"
248(F)	2-1/2"	1-11/16"	2"
260	1"	—	—
278	1-1/2"	1"	1-1/4"
281A	1"	1-9/16"	2-3/16"
283A	1"	1-3/4"	2-3/8"
284	—	—	2"
296	1-1/4"	1-3/8"	2-1/4"

Bayonet Double Contact Socket  
Delrin Body - Brass Spring



Fig.	Length Pig Tail Inches	O.D. Inches	Standard Package
24-1	10	3/4"	10
24-2	60	3/4"	10



225° LENSES

Class	A Inches	B Inches
2	4-1/4	3-3/8
3	5-1/8	3-1/4

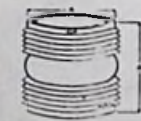
White — Fig. 256  
Yellow — Fig. 256-M (Class 3 only)



112 1/2° LENSES

Class	A Inches	B Inches
2	4-1/4	3-1/16
3	5-1/16	3-11/16

Red — Fig. 259-R  
Green — Fig. 259-G



360° LENSES

Class	A Inches	B Inches
Junior	3-5/16	3-3/16
Senior	4-1/4	4

Clear — Fig. 261  
Frosted — Fig. 261-F



135° LENSES

Class	A Inches	B Inches
2	4-1/4	3-1/2
3	5-1/8	3-5/8

White — Fig. 269  
Yellow — Fig. 269-M (Class 3 only)

BAYONET  
Double Contact Socket  
Brass Case — Hard Rubber Insulation

Length Inches	Outside Diameter Inches	Standard Package
1-1/8	11/16	10

Wire enter bottom, screws in side.



Fig. 52

BAYONET  
Double Contact  
Base

Length Pig Tail Inches	O.D. Inches	Standard Package
6	11/16	10

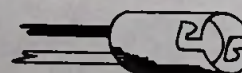


Fig. 1109

BAYONET  
Single Contact  
Base

Length Pig Tail Inches	O.D. Inches	Standard Package
6	11/16	10

Fig. 747





# SPARE PARTS FOR SECTION A

Page #	For Fig. No.	Description	Spare Part #
A-12	112A-309A	Bulb	374
	112B-309B	Bulb	340
	455-362-371	Bulb	337 No. 11
	1134-1137	Bulb	337 No. 11
	1301	Bulb	337 No. 12
	112-309	Globes	106 Specify Color
	362-371	Globes	248F
	1134-1137-455	Globes	248-CLR
	1301	Globes	201
	112A-309A	Socket	276 No. 2
	112B-309B	Socket	226
	455-1134-1137	Socket	24 No. 2
	1301-362-371	Socket	24 No. 1
	1137	Mounting Bracket	1122
	1134	Mounting Bracket	1120
	1134-1137	Knob	1144A
A-13	Entire Page	Bulb	71
	903-964	Lenses	281A WHT
	1178-1331	Lenses	278-WHT
	1265	Lenses	1265-99A
	903	Base with socket assembly	107
	964	Base with socket assembly	135
1265	Socket assembly	130	
A-14	Entire Page	Bulb	71
	Entire Page	Lenses	278-WHT
	1123	Mounting Bracket	1123-99A
	1124	Mounting Bracket	1124-99A
	1125	Base With Socket Assem.	1125-99A
	1125	Base caps	1209-99B
A-15	Entire Page	Bulb	71
	Entire Page	Lenses	278-WHT
	1181	Mounting Bracket w/ knob	1120
	1182	Mounting Bracket w/ knob	1121
	1184	Mounting Bracket w/ knob	1122
	1181-1182-1184	Knob	1144A
A-16	Entire Page	Bulb	70 Specify Size
	91F-109	Lenses	259 Color & Class
	98F-110	Lenses	256 Color & Class
	99F-111	Lenses	269 Color & Class
	91F-98F-99F	Electric Adapter	138F Specify Class
A-17	4F-5F-7F	Bulb	70 Specify Size
	4F	Lenses	259 Color & Class
	5F	Lenses	256 Color & Class
	7F	Lenses	269 Color & Class
	329	Globe	250 Specify Color
	4F-5F-7F	Electric Adapters	290F Specify Class
A-18	Entire Page	Bulb	374 Specify Size
	Entire Page	Lenses with top assembly	249 Specify Color
	Entire Page	D.C. Socket	134
	Entire Page	Plastic Top Cap O-Ring & Chain	1105
A-19	200 Series	Bulbs	375 Specify Watts & Volts
A-20	02-06	Bulbs	337 No. 12
	06B	Bulbs	340 No. 5 or No. 6
	17-18-19-20-97-102	Bulbs	70 Specify Size
	17-19	Lenses	259 Color & Class
	18-20	Lenses	256 Color & Class
	97-102	Lenses	269 Color & Class
	02-Oil	Lenses	261 JR CLR
	02-Electric	Lenses	261 JR F
	06-Electric	Lenses	261SR F
	Entire Page (except 02)	Oil Fount	286
	02	Oil Fount	287
	Entire Page	Burners	246
	Entire Page	Wicks	302 No. 00

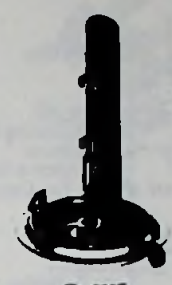


Fig. 290F

**ELECTRIC ADAPTER**  
Festoon Type  
Brass — Spring Type

Diam. Overall Inches	Opening In Light Inches
4-1/2	4

Used in the following Lights:  
No. 2- 4F-C/2, 5F-C/2, 7F-C/2, 17, 18, & 97.  
No. 3- 4F-C/3, 5F-C/3, 7F-C/3, 19, 20, & 102.  
Be Sure to Specify Size.



Fig. 138F

**ELECTRIC ADAPTER**  
Festoon Type  
Brass — Spring Type

Diam. Overall Inches	Opening In Light Inches
2-3/16	1-7/8

Used in the Following Lights:  
No. 2- 91 C/2, 98 C/2 & 99 C/2.  
No. 3- 91 C/3, 98 C/3 & 99 C/3.  
Be sure to Specify Size.



Fig. 278

**BAYONET**  
Double Contact Sockets  
Brass Case — Tapped 1/8 Inch I.P.S.

No.	Length Overall Inches	Standard Package
0	1-1/2	5
2	2	5
3	2-3/8	5
4	3	5



Fig. 291

**ELECTRIC ADAPTERS**  
Double Contact  
Brass — Spring Type

Diam. Overall Inches	Opening In Light Inches
3-5/8	3-3/16

Used in Fig. 0-6.



Fig. 293

**ELECTRIC ADAPTER**  
Double Contact  
Brass — Swivel Type

Diam. Overall Inches	Opening In Light Inches
4-1/2	4

Used in Fig. 02



Fig. 292

**ELECTRIC ADAPTER**  
Medium Screw  
Brass — Spring Type

Diam. Overall Inches	Opening In Light Inches
3-5/8	3-3/16

Used in Fig. 0-6



Fig. 246

**OIL BURNERS**  
Brass  
Diam. Thread Inches  
Wick  
Wick Inches



Fig. 287

**OIL FOUNT**  
Brass — Swivel Type  
Diam. Overall Inches  
Opening In Light Inches  
Used in Fig. 0-2



Fig. 286

**OIL FOUNT**  
Brass — Spring Type  
Diam. Overall Inches  
Opening In Light Inches

Page No.	For Fig. No.	Description	Spare Part #
B-3	Entire Page Entire Page Entire Page Entire Page Entire Page Entire Page	Bulbs Lenses Lens Retaining Clip w/ Bolt Lens Gasket Med Prefocus Socket Plastic Top Cap, O-Ring with Chain	342 No. 4 261 No. 1 Specify Color 1133 1143 347 1105
B-4	Entire Page Entire Page Entire Page Entire Page Entire Page	Bulbs Lenses Lens Retaining Clip w/ Bolt Lens Gasket Dual Med. Prefocus Socket assembly Plastic Top Cap, O-Ring with Chain	342 No.4 261 No. 1 Specify Color 1133 1143 303 1105
B-5	Entire Page Entire Page Entire Page Entire Page Entire Page Entire Page Entire Page	Bulbs Lenses — 112-1/2° Lenses — 135° Lenses — 225° Lenses — 360° Med. Prefocus Socket with Cap Plastic Top Cap, O-Ring, and Chain.	342 Specify Size 259 No. 1 or 2, Specify Color 269 No. 1 or 2, Specify Color 256 No. 1 or 2, Specify Color 261F No. 1 or 2, Specify Color 347-A 1105
B-6	Entire Page Entire Page Entire Page	Bulbs Lenses Med. Prefocus Socket	342 No.4 261 No. 1 Specify Color 347
B-7	4-5-7 112A-309-A 4 5 7 112A-309A 4-5-7 112A-309A	Bulbs Bulbs Lenses Lenses Lenses Globes S.C. Bayonet Socket D.C. Bayonet Socket	373 Specify Size 374 Specify Size 259-CL3 Specify Color 256-CL3 Specify Color 269-CL3 Specify Color 106 Specify Color 294 No. 3 276 No. 2
B-8	Entire Page Entire Page Entire Page Entire Page	Bulbs Lens & Top Assembly with Gasket D.C. Socket Assembly Plastic Top Cap, O-Ring and Chain	374 Specify Size 249 Specify Color 134 1105
B-9	Entire Page 1171 RE-1174RE 1173ME-1173RE 1111ME 1171-1173-1174 1111ME Entire Page 1111ME	Bulbs Lenses Lenses Lenses Med. Prefocus Socket Med. Prefocus Socket Plastic Top Cap, O-Ring, and Chain Flasher	342 No.4 261 Specify Color 261 Specify Color 256 No. 1 Yellow 347 347A 1105 133
B-10	Entire Page Entire Page Entire Page Entire Page Entire Page Entire Page	Bulbs Lenses Lens Retaining Clip with Bolt Lens Gasket Dual Med. Prefocus Socket Assembly Plastic Top Cap with O-Ring	342 No. 4 261 No. 1 Specify Color 1133 1143 303 1105
B-11	Entire Page Entire Page Entire Page Entire Page Entire Page Entire Page Entire Page Entire Page	Lenses — 112° Lenses — 135° Lenses — 225° Lenses — 360° Chimneys Burners Wicks Oil Founts	259 No. 1 or 2, Specify Color 269 No. 1 or 2, Specify Color 256 No. 1 or 2, Specify Color 261 No. 1 or 2, Specify Color 267 242 302 No.2 282



Fig. 303

DUAL MEDIUM PREFOCUS SOCKET ASSEMBLY

Plug In Type - Prewired - with two medium prefocus sockets. For use in double lens lights Fig. 1164 series.

Overall Height Inches	Overall Width Inches	Weight Ounces
3-7/8	3-7/8	8-1/2



Fig. 347 & 347-A

MEDIUM PREFOCUS SOCKETS  
Phenolic — 250 Volts — 1000 Watts

Height Inches	Overall Diam. Inches	Standard Package	Weight Ounces
1-7/8	1-1/2	5	4

Fig. 347-A supplied with metal Mounting Cap Tapped for 3/8" I.P.S.



DOUBLE CONTACT BAYONET BULBS  
Clear — 12, 24, 32, or 120 Volts  
Type T-8, C-8, Filament — 1-3/8" L.C.L.

Fig. No. 374	Voltage	Candela
1	12	24
2	24	24
3	32	24
4	120	24



MEDIUM PREFOCUS BULBS  
Clear — 120 Volts

Fig. No. 342	Wattage
0	7.5
1	15
2	25
3	40
4	60
6	125



SINGLE CONTACT PREFOCUS BULBS  
C-8 FILAMENT Clear — 12 Volt

Fig. No. 373	Amperage	Mfg. No.
1	.25	25A/S8
2	.55	55A/S8
3	.77	77A/S8
4	1.15	1.15A/S8
5	2.03	2.03A/S8SCP



360° LENSES  
With Top Assembly

Height Overall Inches	Diam. Overall Inches
5-3/4	5-1/2

Fig. 249 — Green, Grey, Red, Yellow & Clear



112-1/2° LENSES

No.	A Inches	B Inches
1	6-3/4	6-1/8
2	7-1/2	9-1/4

Red — Fig. 258-R  
Green — Fig. 258-G



360° LENSES

No.	A Inches	B Inches
1	6-3/4	7-1/2
2	5-1/8	7-3/8

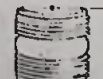
CLEAR  
White — Fig. 261  
Red — Fig. 261-R  
Green — Fig. 261-G  
Yellow — Fig. 261-M  
Grey — Fig. 261-W



225° LENSES

No.	A Inches	B Inches
1	6-3/4	4-1/2
2	7-1/2	6-5/8

White — Fig. 268  
Red — Fig. 268-R  
Yellow — Fig. 268-M



135° LENSES

No.	A Inches	B Inches
1	6-3/4	5-1/8
2	7-1/2	7-1/4

White — Fig. 269  
Red — Fig. 269-R  
Yellow — Fig. 269-M



# SPARE PARTS FOR SECTION C-D

S-5

Page No.	For Fig. No.	Description	Spare Part #		
CD-6	517 517 517	Switches	514		
		Fuse Holders	516		
		Fuse Holder Cap	522		
CD-7	511-512 511-512 511-512	Switches	514		
		Fuse Holders	516		
		Fuse Holder Cap	522		
CD-9	1189-1190	Connector	42		
CD-12	217-450-1295 1303	Socket with Knob	223		
		Switch	701		
CD-13	300-308 300-555 308 753 300-308 555-759 300-308 555 753	Bulbs	337 Specify Size		
		Globes	257 Specify Size		
		Globes	308-99A Specify Size		
		Globes	132		
		Switches	701		
		Switches	745		
		Sockets	24 No. 1		
		Socket	346 No. 1		
		Socket	1323		
		CD-14	318A 318A 318A 318A-1266 1266 1087-1090 1087-1090 1087-1090	Bulbs	337 No. 12 & No. 23
				Switches	318A-99E
Globes	318A-99D				
Socket	24 No. 1				
Switch	745				
Guards	1087-1090-99A				
Sockets	1087-1090-99B				
Globes	1087-1090-99C				
CD-15	280-1040 265 265			Sealed Beam Unit	432 Specify Voltage
				Bulb	70 No. 0
		Lens with Gasket	284		
CD-16	312 168-141 No. 1 141 No. 2 168-141 No. 1 312-141 No. 2 312 168-141 No. 1 141 No. 2	Chimney	94		
		Chimney	230		
		Chimney	267		
		Wicks	302 No. 00		
		Wicks	302 No. 2		
		Burner	173		
		Burner	231 Specify Finish		
		Burner	242 Specify Finish		



Fig. 242



Fig. 231

Fig. No.	Thread Diameter Inches	Standard Package	Wicks For Burners	Width	Standard Package
231	7/8	5	302 No. 00	3/8"	20
242	1-1/4	5	302 No. 2	7/8"	20

## LAMP CHIMNEYS

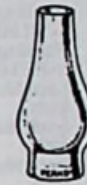


Fig. 94



Fig. 267

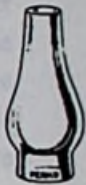


Fig. 230



Fig. 346

Fig. No.	Base Diameter	Height	Standard Package
94	3"	8-1/2"	5
267	2-1/16"	6"	5
230	1-1/2"	4-3/4"	5

250 Volts — 660 Volts

No.	Size Thread Inches	Height Inches	Extreme Diameter Inches	Standard Package
1	1/8	2-1/8	1-1/2	5

# SPARE PARTS FOR SECTION E (SEE SECTION E)

# SPARE PARTS FOR SECTION F-G

Page No.	For Fig. No.	Description	Spare part #
FG-2	778-791 778-791	Motors	822 Specify Size
		Impellers	824 Specify Size
FG-3	510	Deck Plate	526 Specify Size & Finish
FG-10	420-150-158-179	Bell Parts	See Below

SPARE PARTS SPECIFY SPARE PART NO., SIZE AND FINISH

ARMS		WALL PLATES		CLAPPERS		EYE BOLTS		ACORN NUTS	
Figure No.	Spare Part No.	Figure No.	Spare Part No.	Figure No.	Spare Part No.	Figure No.	Spare Part No.	Figure No.	Spare Part No.
420-6"	420-99A-6"	420-6"	127	420-6"	153	420-6"	113	420-6"	465 No. 4
420-8"	171	420-8"	127	420-8"	144	420-8"	123	420-8"	465 No. 8
150-8"	171	150-8"	127	150-8"	144	150-8"	123	150-8"	465 No. 8
150-10"	150-99A-10"	150-10"	150-99B-10"	150-10"	150-99C	150-10"	150-99D	150-10"	465 No. 9
150-12"	150-99A-12"	150-12"	150-99B-12"	*150-12"	172	*150-12"	172	150-12"	465 No. 9
*158-12"	158-99A-12"	*158-12"	158-99A-12"	*158-12"	172	*158-12"	172	158-12"	465 No. 9
*158-14"	158-99A-14"	*158-14"	158-99A-14"	*158-14"	172	*158-14"	172	158-14"	465 No. 9
179	179-99A	* 179	179-99A	179	144	179	179-99B	179	465 No. 8
*Includes Wall Bracket		*Includes Arm		*Includes Eye Bolt		*Includes Clapper			

FG-11	159	Arm	159-99A-Specify Finish
	159	6" Clapper	159-99B
	159	8" Clapper	153
	159	Eye Bolt	113
	159	Wall Plate	166-Specify Finish
	159	Acorn Nut	465 #4-Specify Finish

# S-6

# SPARE PARTS FOR SECTION H

Page No.	For Fig. No.	Description	Spare Part #	
H-2-3	320 No. 3	Packing Nut Shaft Size 3/4 inch	73 No. 3	
	671 No. 3, 672 No. 3	Packing Nut Shaft Size 3/4 inch	73 No. 3A	
	672 No. 4	Packing Nut Shaft Size 7/8 inch	73 No. 4A	
	320 No. 5, 672 No. 5, 1088 No. 5, 671 No. 5, 734 No. 5	Packing Nut Shaft Size 1 inch	73 No. 5	
	320 No. 6	Packing Nut Shaft Size 1-1/8 inch	73 No. 6	
	672 No. 7, 671 No. 7, 734 No. 7	Packing Nut Shaft Size 1-1/4 inch	73 No. 7	
	320 No. 7, 819 No. 7, 1088 No. 7	Packing Nut Shaft Size 1-1/4 inch	73 No. 7A	
	671 No. 9, 672 No. 9, 734 No. 9	Packing Nut Shaft Size 1-1/2 inch	73 No. 9	
	320 No. 9, 819 No. 9	Packing Nut Shaft Size 1-1/2 inch	73 No. 9A	
	320 No. 3	Lock Nut Shaft Size 3/4 inch	79 No. 3	
	671 No. 3, 672 No. 3	Lock Nut Shaft Size 3/4 inch	79 No. 3A	
	672 No. 4	Lock Nut Shaft Size 7/8 inch	79 No. 4A	
	320 No. 5, 672 No. 5, 1088 No. 5, 671 No. 5, 734 No. 5	Lock Nut Shaft Size 1 inch	79 No. 5	
	320 No. 6	Lock Nut Shaft Size 1-1/8 inch	79 No. 6	
	672 No. 7, 671 No. 7, 734 No. 7	Lock Nut Shaft Size 1-1/4 inch	79 No. 7	
	302 No. 7, 819 No. 7, 1088 No. 7	Lock Nut Shaft Size 1-1/4 inch	79 No. 7A	
	671 No. 9, 672 No. 9, 734 No. 9	Lock Nut Shaft Size 1-1/2 inch	79 No. 9	
	320 No. 9, 819 No. 9	Lock Nut Shaft Size 1-1/2 inch	79 No. 9A	
	H-4	528	Cap with O-Ring	528-99A Specify Size & Finish
		524	Cap with O-Ring	524-99A
528		O-Ring	528-99B Specify Size	
524		O-Ring	524-99B	
529		Cap with O-Ring	529-99A	
529-Gas		Cap with O-Ring	529G-99A	
529-Diesel		Cap with O-Ring	529D-99A	
529-Water		Cap with O-Ring	529W-99A	
525		Cap with O-Ring	525-99A	
1269		Cap with O-Ring	1269-99A	
H-5	1270-Gas	Cap with O-Ring	1270-G00-99A	
	1270-Diesel	Cap with O-Ring	1270-D00-99A	
	1270-Water	Cap with O-Ring	1270-W00-99A	
	507	Cap with O-Ring	507-99A	
	508	Cap with O-Ring	508-99A	
	520	Cap with O-Ring	520-99A	
	521-Gas	Cap with O-Ring	521-G00-99A	
	521-Diesel	Cap with O-Ring	521-D00-99A	
521-Water	Cap with O-Ring	521-W00-99A		
H-6	Entire Page	Non-Locking Cap	126	
H-9	254	Zinc	254-99A Specify Size	
	254	Plug	254-99B Specify Size	
H-10	299	Elements	324 Specify Size	
	299	O-Rings	327 Specify Size	
H-11	493	Spare Parts	493 Specify Size & Part # (See Chart Below)	
	500	Spare Parts	500 Specify Size & Part # (See Chart Below)	



Fig. 73

Fig. 79

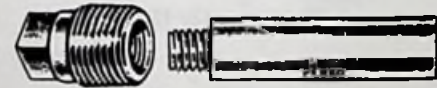


Fig. 254

Top Casting	99-A	Basket Strainer	99-D	Tie Rod	99-G	Wing Nut And Washer	99-K
Bottom Casting	99-B	Cover	99-E	Nut And Washer For	99-H	For Cover	
Transparent Cylinder	99-C	Cover Gasket	99-F	Tie Rod	99-J	Hinged Bolt For Cover With	
				Cylinder Gasket		Pin, Nut And Washer	99-L

H-12	805	Packing Kit	805-99A Specify Size
H-13-14	65-322-348-350-361	Flange Nuts	75-Specify Size
H-16	499	Cap With Chain	499-99A
	504	Cap With Chain	504-99A
H-17	714-737	Plugs	742-Specify Size
	263-363-266	Plugs	370
	414	Plug With Chain	414-99A



# SPARE PARTS FOR SECTION I

S-7

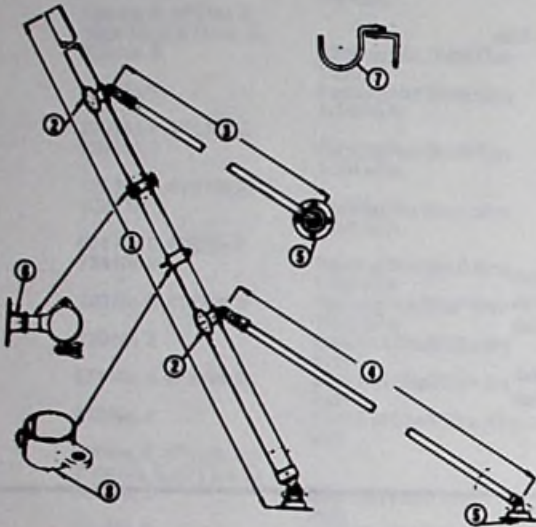
Page No.	For Fig. No.	Description	Spare Part No.
I-8	750	Cap With Chain	750-99A
	741	Cap With Chain	741-99A Specify Size
I-11	1043-1225-1325-1525	Step Pads	1050 Specify Color & Size
I-12	148	Brackets	148-99A
	148	Wail Plates	148-99B
I-14	1185-1186-1187	Plastic Bearings	1155
I-15	533	Arm	533-99A
	533	Blade	533-99B
I-24	933	Shank Support	933-99A Specify Finish
	933	Fluke Support	933-99B Specify Finish
	933	Crown Support	933-99C Specify Finish
	933	Knob	1144A
	971	Shank Support	971-99A Specify Finish
	971	Fluke Support	971-99B Specify Finish
	971	Crown Support	971-99C Specify Finish
	971	Knob	1144A

# SPARE PARTS FOR SECTION J

Page No.	For Fig. No.	Description	Spare Part No.
J-2	918	Strike Plate	918-99A
	919-927	Strike Plate	913
	928	Strike Plate	976
	567-930-960	Strike Plate	912
	928-960-918-919-927	Bevel With Cam	920
	930	Bevel With Cam	930-99B
	Entire Page	Knob and Handle Assembly	962
	918-919	Escutcheon Plate With Keys	953
	927	Escutcheon Plate With Keys	927-99B
J-3	1279-948	Strike Plate	976
	1280	Strike Plate	912
	931 No. 1	Cam Bar	931-001-99A
	931 No. 2	Cam Bar	931-002-99A
	921-922	Cam Bar	980
	1279-948	Bevel With Cam	920
J-4	956	Keeper	959-Specify Finish
	1199-1287	Keeper	1261
J-7	574	Keeper	959-Chrome
J-8	1290-1291	Mounting Bracket W/ Knob	1290-1291-99B
	1290-1291	Black Plastic Knob	1292
	82	Black Plastic Knob	82-99A
	360	Black Plastic Knob	360-99A
	1179	Black Plastic Knob	1117
	1180	Black Plastic Knob	1117
J-9	769	Keeper	769-99A
	769	Body	769-99B
	769	Handle With Stud	769-99C
	797	Black Plastic Knob	797-99A
	1116	Black Plastic Knob	1117
J-16	938	Cam Bar	938-99A
J-17	998	Keeper	959-Chrome
	1198	Keeper	1261
	1194	Keeper	1194-99A

# SPARE PARTS FOR SECTION K

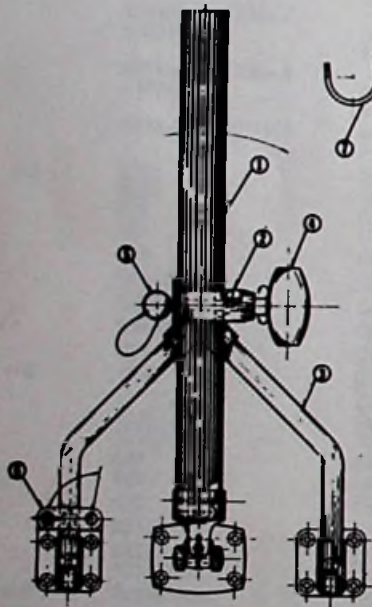
Page No.	For Fig. No.	Description	Spare Part No.
K-4	400 No. 4, 6, 8	Spare parts	Refer to Drawing Specify Size



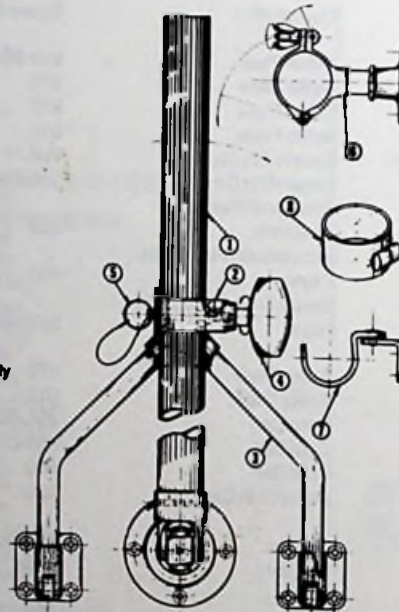
WHEN ORDERING REPLACEMENT PARTS PLEASE LIST COMPLETE DESCRIPTION AND FIGURE NO. AS SHOWN BELOW.

- 1 Pole Holder with Base  
- Fig. 400-88A
- 2 Sliding Clamp Assembly with Knob  
- Fig. 400-88B
- 3 Upper Support Pipe Assembly  
- Fig. 400-88C
- 4 Lower Support Pipe Assembly  
- Fig. 400-88D
- 6 Base Flange with Universal  
- Fig. 418
- 8 Hinged Holding Bracket  
- Fig. 408
- 7 Lay Down Hook  
- Fig. 410 No. 2
- 6 Stop Collar  
- Fig. 409

K-5	445-470 No. 1, 2, 3	Spare Parts	Refer to Drawing Specify Size
-----	---------------------	-------------	-------------------------------



- 1 Pole Holder with Base  
- Fig. 445-88A
- 2 Sliding Clamp Assembly with Knob  
- Fig. 416 Specify Size
- 3 Mounting Yoke with Wall Plates  
Specify Port or Starboard  
- Fig. 418 P Specify Size  
- Fig. 418 S Specify Size
- 4 Knob - Fig. 401
- 5 Locking Pin Assembly  
- Fig. 402
- 6 Yoke Locking Wall Plate Assembly  
Specify Port or Starboard  
- Fig. 406P  
- Fig. 406S
- Locking Bar Assembly with Stud  
- Fig. 406P-88A  
- Fig. 406S-88A
- 7 Lay Down Hook  
- Fig. 410



- 1 Pole Holder with Base  
- Fig. 470-88A
- 2 Sliding Clamp Assembly with Knob  
- Fig. 416 Specify Size
- 3 Mounting Yoke with Wall Plates  
Specify Port or Starboard  
- Fig. 418 P Specify Size  
- Fig. 418 S Specify Size
- 4 Knob - Fig. 401
- 5 Locking Pin Assembly  
- Fig. 402
- 6 Hinged Holding Bracket  
- Fig. 408
- 7 Lay Down Hook  
- Fig. 410
- 8 Stop Collar  
- Fig. 415 Specify Size

K-6	444	Plate	478 & Size
	444-451	Tube	479 & Size
	451	Plate	474 & Size
	1314	Plate	1320
	1314	Tube	1321
K-7	449	Bracket	449-99B
	1104	Bracket	1107
	475	Tube with Quadrant	475-99A Specify Finish
	475	Adjusting Saddle for Quadrant	475-99B Specify Finish
	475	Eye Bolt with Washer	475-99C Specify Finish
	449-475-1118	Vinyl Liner	483 No. 1
K-8	1100	Brackets	1107
	404	Brackets	404-99A Specify Size
	448-452-1205	Vinyl Liner	482 Specify Size
	404-1100	Vinyl Liner	483 Specify Size

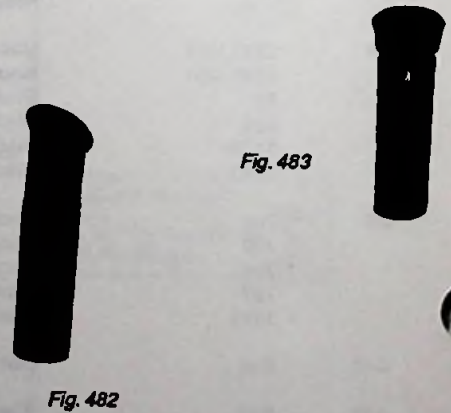


Fig. 483

Fig. 482



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