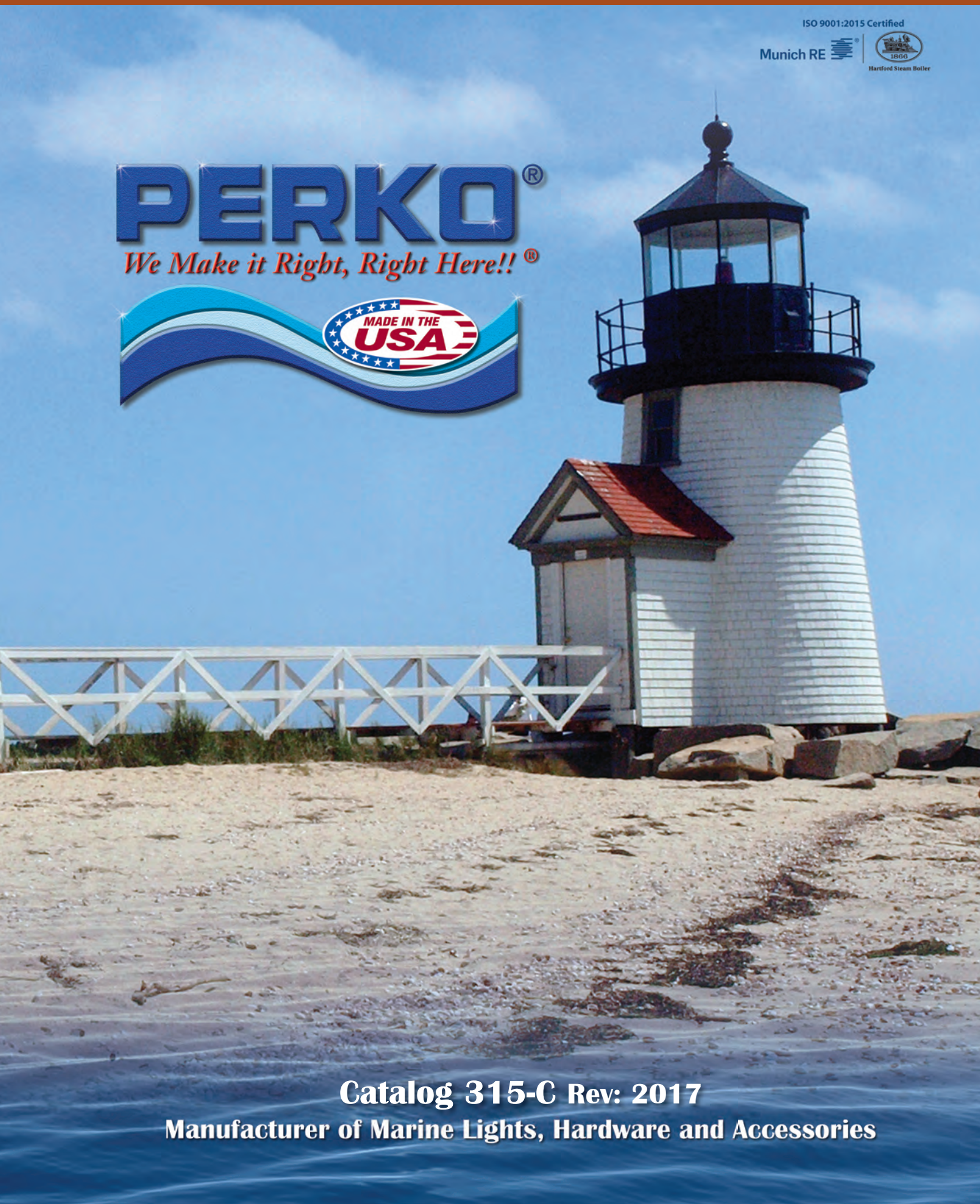
Commercial Products



Catalog 315-C Rev: 2017

Manufacturer of Marine Lights, Hardware and Accessories

GENERAL INFORMATION

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 or visit our website www.perko.com to find a supplier near you.

PRICES AND TERMS

Our costs can change due to causes beyond our control. Therefore, our price list is only intended for the guidance of our customers and does not necessarily establish current prices. All prices are subject to change without notice.

Orders from firms having no satisfactory history or credit rating with us must be prepaid. C.O.D. shipments will be made if a 25% deposit is sent with the order. Cash discounts do not apply to C.O.D. shipments.

DESIGNS

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

RETURN GOODS

A Repackaging Service Charge of $10.00 net will apply to all broken packages. Products made to order are not returnable. Stock products in new, saleable condition are only returnable when permission has been granted by us, and are subject to handling and repackaging charges. Return shipping charges must be prepaid. Purchase date and invoice number are required when requesting an R.G.A. (Return Goods Authorization) number. Permission must be requested within 30 days after receipt of goods.

WEIGHTS

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

SHIPPING INSTRUCTIONS

Customers should send specific shipping instructions; otherwise, 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 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 packaging** with which the damaged or lost material was packaged.
3. **Shortages** - Must be reported to us within 15 days after receipt of goods.

⚠ PROP 65 WARNING

Items in this catalog identified with this symbol comply with the State of California **Prop 65** Safe -Harbor warning:

⚠ WARNING:

These Products contains a chemical known to the State of California to cause cancer (Lead), birth defects and/or other reproductive harm (DINP). For more information go to *www.P65Warnings.ca.gov.*

PERKO® LIMITED WARRANTY

PERKO, INC. (PERKO) warrants to the original consumer-purchaser that PERKO'S products will be free from defective materials or workmanship, and that the PERKOPLATE/PERKO•KOTE finish will remain corrosion-free under normal use and service, for a period as shown below from the original purchase date:

Product Class	Duration
Products installed by a manufacturer as original equipment	1 year or duration of the original equipment manufacturer's general accessory warranty up to 5 years, whichever is longer
Emissions system components installed by manufacturer as original equipment	2 Years
Commercial products (and/or products used in commercial service) and searchlights	1 Year
Products not included above and which are purchased over-the-counter at a retail dealer	5 Years

ALL IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY, ARE ALSO LIMITED IN DURATION TO THE WARRANTY PERIOD FROM THE ORIGINAL PURCHASE DATE.

PERKO SHALL NOT BE LIABLE FOR LOSS OF USE OF ANY OF ITS PRODUCTS, NOR FOR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY THE ORIGINAL PURCHASER OR BY ANY OTHER PERSON.

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 OR MAY NOT APPLY TO YOU.

This warranty is void if the 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 and fuses. Specific warranty statements made on the smallest unit package, on the individual instruction/installation sheets, or on price quotations which accompany certain specialty, custom or individual products shall supersede this warranty.

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 our factory in Miami, FL. 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.**

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

MADE IN THE USA

Catalog No. 315-C (Rev 2017) For Commercial Boats

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PERKO®

Proudly Made in America for Over 100 Years

Manufacturer of Ship and Boat Equipment

Street Address:
16490 Northwest 13th Avenue
Miami, Florida 33169-5707
Telephone Number: (305) 621-7525
Fax Number: (305) 620-9978

Mailing Address:
P.O. Box 64000D
Miami, Florida 33164-0510
e-mail: sales@perko.com
Website: www.perko.com

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OUR MODERN SELF-CONTAINED FACILITY

440, 000 Sq. Ft. Home of PERKO, Inc Located on 16 Acres in Miami, FL

CNC Multi Access Drilling & Tapping Machines

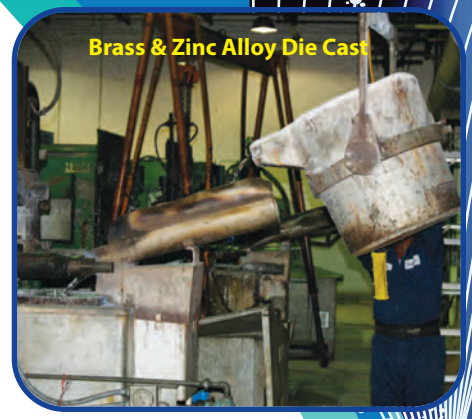
CNC Turning Center with Live Tooling

CNC Lathes

OUR MODERN SELF-CONTAINED FACILITY

Non-Ferrous Sand Cast Foundry

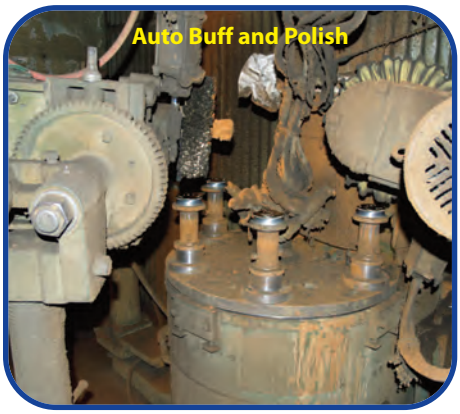
Chrome Plating


Brass & Zinc Alloy Die Cast

Plastic Injection Molding

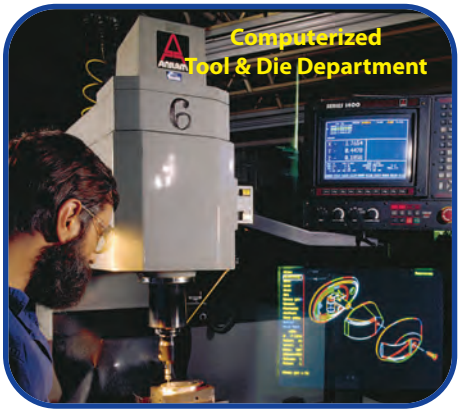
Mechanical Power Punch Press

Computerized Robotic Polishing Centers


Auto Buff and Polish

Xenon Searchlights

Battery Switch Ultrasonic Welding


Computerized Tool & Die Department

Quality Control Atomic Absorption Spectrophotometry

Finished Goods Inventory

NAVIGATION LIGHT SELECTION CHART

FOR COMMERCIAL POWER DRIVEN VESSELS OVER 20 METERS (65.6 FT.) IN LENGTH

This chart is provided as a guide for light selection, not positioning. Refer to the 72 COLREGS and the U.S. inland navigation rules for positioning details. Depending upon the activity of the vessel, it may be required to carry a combination of several of the types of lights listed below. Consult your local U.S. Coast Guard office for specific vessel requirements. Refer to product listings for specific visibility arc and range requirements.

Activity	Vessel Size	Lighting Codes
Power driven, underway and making way.	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length.	SL, SN, M
Power driven, underway and making way.	Vessels over 50 Meters (164.00 ft.) in length.	SL, SN, M, MR
Towing by pushing ahead (COLREGS)	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length. Barges	SL, SN, 2M SL, SN, 2M, MR SL
Towing by pushing ahead (Inland) Note: Tug and Barge rigidly connected in a composite unit. Same as power driven vessel above	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length. Barges	SL, 2T, 2M SL, 2T, 2M, MR SL
Towing Alongside (COLREGS)	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length. Barges	SL, SN, 2M SL, SN, 2M, MR SL, SN
Towing Alongside (Inland)	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length. Barges	SL, 2T, 2M SL, 2T, 2M, MR SL, SN, SF
Towing Astern, tow length less than 200 meters (656.0 ft.) in length.	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length. Barges	SL, T, 2M SL, T, 2M, MR SL, SN
Towing Astern, tow length over 200 meters (656.0 ft.) in length.	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length. Barges	SL, T, 3M SL, T, 3M, MR SL, SN
Fishing, engaged, underway and making way with nets or lines astern.	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length.	SL, SN, RW SL, SN, 3M, RW
Fishing, engaged, underway and making way "trawling" dragging a dredge net.	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length.	SL, SN, GW SL, SN, 3M, GW
Fishing, engaged, underway and making way with an obstruction over the side more than 150 meters (492.0 ft.).	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels over 50 Meters (164.00 ft.) in length.	SL, SN, RW, W SL, SN, MR, RW, W
Fishing, engaged, not making way or at anchor.	Vessels of any length.	RW
Restricted in maneuverability making way. Vessels over 50 Meters (164.00 ft.) in length.	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. SL, SN, MR, RWR	SL, SN, M, RWR
Restricted in maneuverability not making way.	Vessels of any length.	RWR
Restricted in maneuverability not making way with an obstruction over the side.	Vessels of any length. Obstruction such as a pipeline.	RWR, 2R, 2G YA (See COLREGS for Details)
Restricted in maneuverability and towing.	See "towing" above for running and towing light requirements.	RWR
At Anchor	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. Vessels 50 Meters (164.00 ft.) to 100 Meters (328.0 ft.) in length. Vessels over 100 Meters (328.0 ft.) in length.	W W, W/A W, W/A, WL
Not under command and making way.	Vessels of any length.	SL, SN, 2R
Not under command and not making way.	Vessels of any length.	2R
Aground Vessels over 50 Meters (164.00 ft.) in length.	Vessels 20 Meters (65.6 ft.) to 50 Meters (164.00 ft.) in length. W, W/A, 2R	W, 2R
Pilot vessel engaged in pilotage duty.	Vessels of any length.	SL, SN, WR
Pilot vessel at anchor.	Vessels of any length.	W, WR

Key To Lighting Codes

SL - Side Lights (Red & Green).
SN - Stern Light.
M - Masthead Light.
MR - Masthead "Range" Light.
2M - 2 Masthead Lights mounted in a vertical line.
3M - 3 Masthead Lights mounted in a vertical line.
2R - 2 Red All-Round Lights mounted in a vertical line.
2G - 2 Green All-Round Lights mounted in a vertical line.
T - Towing Light mounted vertically above a Stern light.
2T - 2 Towing Lights mounted in a vertical line.
GW - Green All-Round Light mounted vertically above a White All-Round Light.
RW - Red All-Round Light mounted vertically above a White All-Round Light.
RWR - 3 All-Round Lights mounted vertically, the highest and lowest being red and the middle being white.
W - White All-Round Light.
W/A - White All-Round Light forward and above anchor light astern.
WR - White All-Round Light mounted vertically above a Red All-Round Light.
SF - Special Flashing Yellow Barge Light.
YA - Yellow All-Round Light.
WL - Working lights that illuminate the deck.

MADE IN THE USA

UNDERSTANDING NAVIGATION LIGHT CERTIFICATIONS

For Navigation Lights on Vessels Over 20 Meters (65.6 ft.) in Length

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, (33 CFR 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.

U.S. Coast Guard Acceptance of Navigation Lights

All U.S. Registered 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 UL tests (A.B.Y.C. A-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 domestic manufacturer to pass UL 1104, PERKO's lights can be installed on vessels over 20 meters (65.6 ft.) in length. Some models are designed for use on vessels over 20 meters (65.6 ft.) in length, while others are designed for use on vessels 20 meters (65.6 ft.) to 50 meters (164.0 ft.) in length.

A brass tag is permanently affixed to the light indicating the type of light, catalog number, voltage and bulb type to install to meet the visibility requirements. It also states that the light is classified by UL in accordance with the '72 COLREGS (343F). This is the only documentation needed by a vessel for navigation lights to certify light construction compliance with the '72 COLREGS and the Inland Navigation Rules, and eliminates the former "Certificate of Compliance".

Each Light Has Its Own Serial Number For Identification.

The lights indicated for use on vessels over 20 meters (65.6 ft.) in length have passed UL 1104. The sample 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 U.S. Coast Guard acceptance.

For the present, the U.S. Coast Guard will not publish a list of UL classified lights. However, field offices have been notified. For more detailed information, consult the complete '72 COLREGS, the U.S. Inland Navigation Rules, and your local U.S. Coast Guard office.

Special Purpose Lights

Other lights (not shown) for use where the vessel is subject to special local requirements are available. Contact PERKO for further information.

Small Boats Under 20 Meters (65.6 Ft.)

U.S. requirements for smaller vessels are less strict and they differ depending on when the boat was built.

Small Boats Built After 11/1/03

The only recognized means of certification of lights for these boats is the USCG approval system. This system uses independent, 3rd party USCG approved labs to conduct some of the tests required for the A-16 certification. On all USCG approved lights, the permanent marking USCG 1nm, USCG 2nm or USCG 3nm (depending on whether the light is a 1-mile, 2-mile or 3-mile light) must be visible when the light is installed. Note that certifications may vary with voltage (e.g. USCG approved for 12-volt and A-16 certified for 24-volt).

Small Boats Built Before 11/1/03

Lights for these boats must be manufactured in accordance with the American Boat and Yacht Council (A.B.Y.C.) Standard A-16. The primary means of certification recognized in the United States for lights for these boats is through the National Marine Manufacturers' Association (NMMA) certification procedure. USCG approved lights, as described below, are also approved for these applications. All PERKO small boat lights designed for use on boats built before 11/1/03 are certified under this NMMA Certification Procedure. All lights certified under this procedure are required to permanently carry the mark "A-16" visibly displayed when the light is installed.

(1) Does not apply to vessels under 7 meters which are not powered

Look for this symbol for lights that are third party USCG Certified

Look for this symbol for lights that are only certified to A.B.Y.C A-16 as "Replacement Lights" only

FLEX MOUNT SYSTEM L.E.D. DOUBLE STACK NAVIGATION LIGHT SETS (3NM/6NM)

LED NEW PRODUCT

USCG 3 nm USCG 6 nm CE

Flex Mount System

Figs. 1487 - 1490 Series L.E.D. Double Stack Navigation Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

CONSTRUCTION:

- Black Polymer
- Pre-Wired with 3 Feet of 18/2-SO Cable
- Translucent color specific insert on top of light for easy identification
- Independent mounting bracket allows for easy interchange of light fixtures

NOW AVAILABLE 3NM & 6NM VERSIONS

Tech Info

- L.E.D.: Operates on 12/24 VDC or 120/240 VAC Systems
- No user serviceable parts
- Mounting screw size: 3/8"
- Height overall: 13-1/4"
- Vert. height upper* : 10-3/4"
- Vert. height lower*: 3-1/2"

Fig. 1487
Green & Red Side Lights

Fig. 1488
Masthead Light

Fig. 1489
Stern Light

Fig. 1489
Towing Light

Fig. 1490
All-Round Light

Double Stack Light Ordering Info

Black Polymer Description	Visibility Arc	Visibility Miles	120/240 VAC Black Polymer Std. Pkg. 1 Pc.	12/24 VDC Black Polymer Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	3	1487R00BLK	1487R01BLK	7.5
Green Side Light	112-1/2°	3	1487G00BLK	1487G01BLK	7.5
White Masthead Light	225°	6	1488000BLK	1488001BLK	7.4
White Stern Light	135°	3	1489000BLK	1489001BLK	7.5
Yellow Towing Light	135°	3	1489M00BLK	1489M01BLK	7.5
White All-Round Light	360°	3	1490000BLK	1490001BLK	7.2
White All-Round Light**	360°	6	1490H00BLK	1490H01BLK	7.2
Red All-Round Light	360°	3	1490R00BLK	1490R01BLK	7.2
Green All-Round Light	360°	3	1490G00BLK	1490G01BLK	7.2
Yellow All-Round Light	360°	3	1490M00BLK	1490M01BLK	7.2

Special lights to meet local requirements are available upon request
**For Great Lakes use
Note: L.E.D.'s have no user serviceable parts

MARINE NAVIGATION LIGHT CERTIFIED TO THE USCG AND '72 COLREGS BY IMANNA LABS IN ACCORDANCE WITH U.L. 1104 (A.B.Y.C. A-1104). FOR USE ON VESSELS OVER 20 METERS.

Fig. 1381000BLK Bracket for mounting Double Stack lights.

* Vertical height is the measurement from the mounting surface to the center of the lens.

MADE IN THE USA

FLEX MOUNT SYSTEM L.E.D. DOUBLE STACK NAVIGATION LIGHT SETS (2NM/5NM)

Flex Mount System

Figs. 1077 - 1080 Series L.E.D. Double Stack Navigation Lights

Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length

CONSTRUCTION:

- Black or White Polymer
- Pre-Wired with 3 Feet of 18/2-SO Cable
- Translucent color specific insert on top of light for easy identification
- Independent mounting bracket allows for easy interchange of light fixtures

Fig. 1077
Green & Red Side Lights

Fig. 1078
Masthead Light

Fig. 1079
Stern Light

Fig. 1079
Towing Light

Fig. 1080
All-Round Light

Double Stack Light Ordering Info

Black Polymer Description	Visibility Arc	Visibility Miles	120/240 VAC Black Polymer Std. Pkg. 1 Pc.	12/24 VDC Black Polymer Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	2	1077R00BLK	1077R01BLK	7.5
Green Side Light	112-1/2°	2	1077G00BLK	1077G01BLK	7.5
White Masthead Light	225°	5	1078000BLK	1078001BLK	7.4
White Stern Light	135°	2	1079000BLK	1079001BLK	7.5
Yellow Towing Light	135°	2	1079M00BLK	1079M01BLK	7.5
White All-Round Light	360°	2	1080000BLK	1080001BLK	7.2
White All-Round Light**	360°	5	1080H00BLK	1080H01BLK	7.2
Red All-Round Light	360°	2	1080R00BLK	1080R01BLK	7.2
Green All-Round Light	360°	2	1080G00BLK	1080G01BLK	7.2
Yellow All-Round Light	360°	2	1080M00BLK	1080M01BLK	7.2

White Polymer Description	Visibility Arc	Visibility Miles	120/240 VAC White Polymer Std. Pkg. 1 Pc.	12/24 VDC White Polymer Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	2	1077R00WHT	1077R01WHT	7.5
Green Side Light	112-1/2°	2	1077G00WHT	1077G01WHT	7.5
White Masthead Light	225°	5	1078000WHT	1078001WHT	7.4
White Stern Light	135°	2	1079000WHT	1079001WHT	7.5
Yellow Towing Light	135°	2	1079M00WHT	1079M01WHT	7.5
White All-Round Light	360°	2	1080000WHT	1080001WHT	7.2
White All-Round Light**	360°	5	1080H00WHT	1080H01WHT	7.2
Red All-Round Light	360°	2	1080R00WHT	1080R01WHT	7.2
Green All-Round Light	360°	2	1080G00WHT	1080G01WHT	7.2
Yellow All-Round Light	360°	2	1080M00WHT	1080M01WHT	7.2

Special lights to meet local requirements are available upon request
**For Great Lakes use
Note: L.E.D.'s have no user serviceable parts

Tech Info

- L.E.D.: Operates on 12/24 VDC or 120/240 VAC Systems
- No user serviceable parts
- Mounting screw size: 3/8"
- Height overall: 13-1/4"
- Vert. height upper* : 10-3/4"
- Vert. height lower*: 3-1/2"

MARINE NAVIGATION LIGHT CERTIFIED TO THE USCG AND '72 COLREGS BY IMANNA LABS IN ACCORDANCE WITH U.L. 1104 (A.B.Y.C. A-1104). FOR USE ON VESSELS 20 METERS TO 50 METERS.

Fig. 1381000BLK Bracket for mounting Double Stack lights.

* Vertical height is the measurement from the mounting surface to the center of the lens.

FLEX MOUNT NAVIGATION LIGHT SYSTEM

The "Flex Mount" Navigation Light System

"Perko's "Flex Mount" system allows the same light to be used for both single and double mount applications. A powder coated aluminum, high strength support structure holds 2 individual lights and mounts to the deck. Then, should either of the two lights be damaged, the damaged light can be easily removed from the support structure and replaced leaving the undamaged light in place significantly reducing the cost of the repair."

Double Mount Light Shown

Fig. 1490
All-Round Light

See Complete Series on Pages C•6

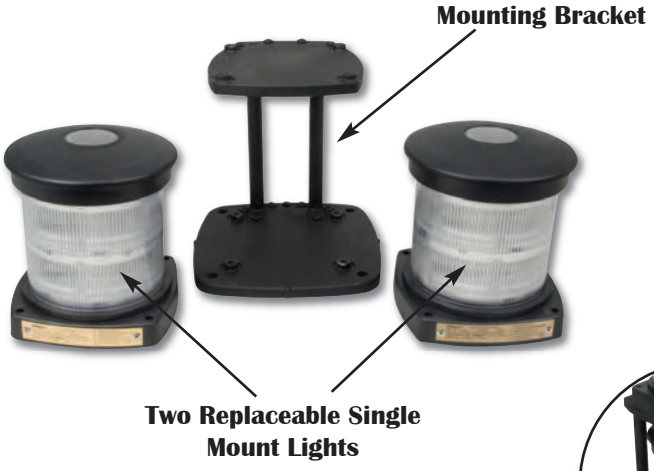
Fig. 1381
Aluminum Mounting Bracket

Single Mount Light Shown

Fig. 1380
All-Round Light

See Complete Series on Pages C•11

Double Mount Light Components



Individual lights can be replaced if damaged while in service.

MADE IN THE USA

L.E.D. NAVIGATION LIGHT SETS - TECHNICAL INFORMATION

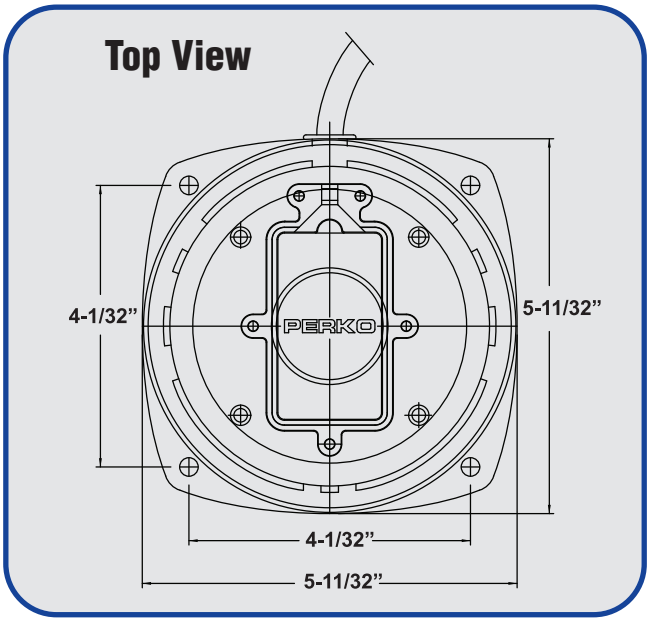
Figs. 1377-1380 Series L.E.D. Navigation Lights (2nm/5nm)

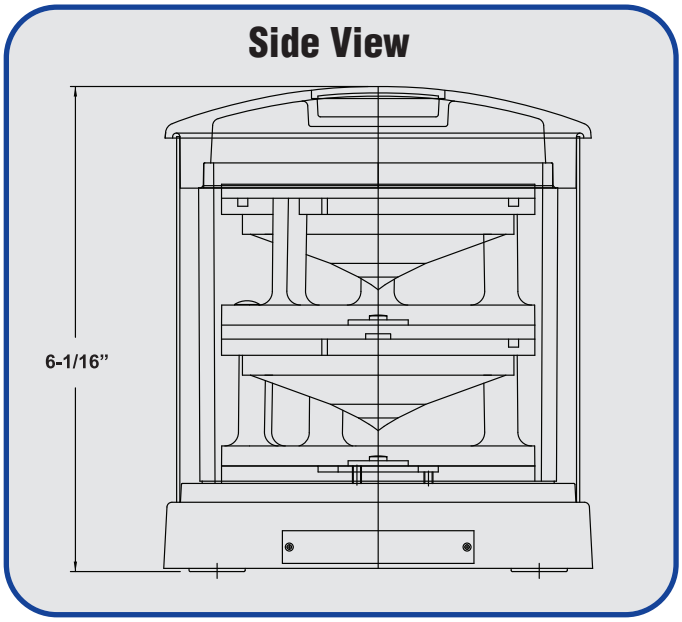
Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length

Figs. 1477-1480 Series L.E.D. Navigation Lights (3nm/6nm)

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

Fig. Nos. 1377 to 1380 Series Single Lens L.E.D. Navigation Light Technical Information (See Lights on Page C•11)
Fig. Nos. 1477 to 1480 Series Single Lens L.E.D. Navigation Light Technical Information (See Lights on Page C•10)





Note: L.E.D.'s have no user serviceable parts

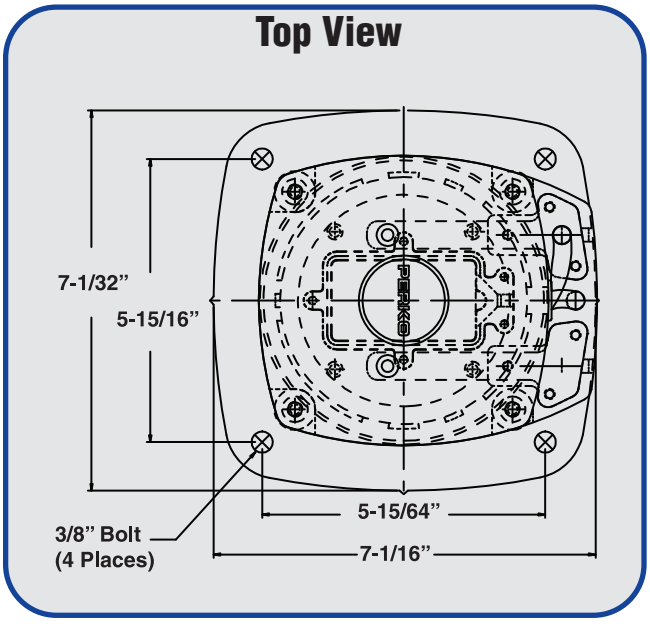
Figs. 1077-1080 Series Double Stack L.E.D. Navigation Lights (2nm/5nm)

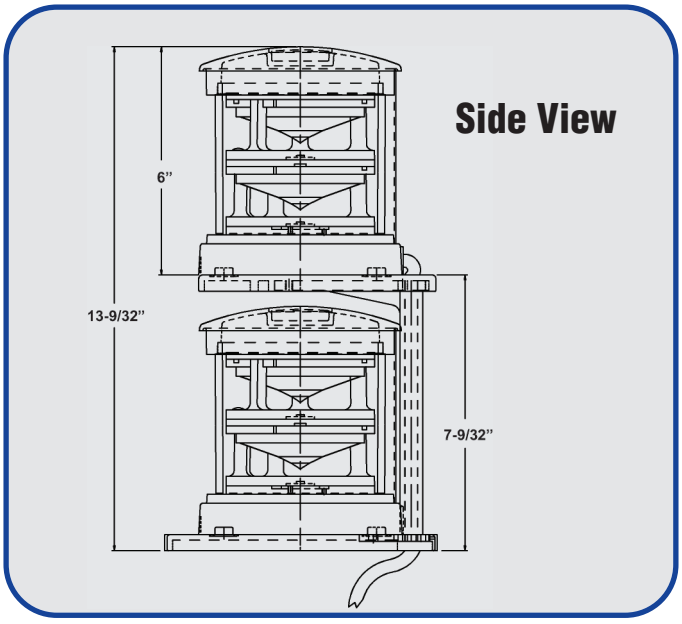
Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length

Figs. 1487-1490 Series Double Stack L.E.D. Navigation Lights (3nm/6nm)

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

Fig. Nos. 1077 to 1080 Series Double Lens L.E.D. Navigation Light Technical Information (See Lights on Page C•7)
Fig. Nos. 1487 to 1490 Series Double Lens L.E.D. Navigation Light Technical Information (See Lights on Page C•6)





Note: L.E.D.'s have no user serviceable parts

FLEX MOUNT SYSTEM SINGLE L.E.D. NAVIGATION LIGHT SETS (3NM/6NM)

MADE IN THE USA

1

NEW PRODUCT

LED

USCG 3 nm

USCG 6 nm

CE

Flex Mount System

Figs. 1477 - 1480 Series Single L.E.D. Navigation Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length
Single lights are also individual replacement lights for the 1487 to 1490 series double stack lights (Pg C•6)

CONSTRUCTION:

- Black or White Polymer
- Pre-Wired with 3 Feet of 18/2-SO Cable
- Translucent color specific insert on top of light for easy identification

NOW AVAILABLE 3NM & 6NM VERSIONS

Tech Info

- L.E.D.: Operates on 12 /24 VDC or 120 and 240 VAC Systems
- Screw Size: 1/4"
- Height Overall: 6"
- Vert. Height*: 3-1/2"

Fig. 1477
Red & Green Side Lights

Fig. 1478
Masthead Light

Fig. 1479
Stern Light

Fig. 1479
Towing Light

Fig. 1480
All-Round Light

* Vertical height is the measurement from the mounting surface to the center of the lens.

MARINE NAVIGATION LIGHT CERTIFIED TO THE USCG AND '72 COLREGS BY IMANNA LABS IN ACCORDANCE WITH U.L. 1104 (A.B.Y.C. A-1104). FOR USE ON VESSELS OVER 20 METERS.

Fig. 1381000BLK Bracket for mounting Double Stack lights.

Single Light Ordering Info

Black Polymer Description	Visibility Arc	Visibility Miles	120/240 VAC Black Polymer Std. Pkg. 1 Pc.	12/24 VDC Black Polymer Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	3	1477R00BLK	1477R01BLK	3.2
Green Side Light	112-1/2°	3	1477G00BLK	1477G01BLK	3.2
White Masthead Light	225°	6	1478000BLK	1478001BLK	3.1
White Stern Light	135°	3	1479000BLK	1479001BLK	3.2
Yellow Towing Light	135°	3	1479M00BLK	1479M01BLK	3.2
White All-Round Light	360°	3	1480000BLK	1480001BLK	3.0
White All-Round Light**	360°	6	1480H00BLK	1480H01BLK	3.0
Red All-Round Light	360°	3	1480R00BLK	1480R01BLK	3.0
Green All-Round Light	360°	3	1480G00BLK	1480G01BLK	3.0
Yellow All-Round Light	360°	3	1480M00BLK	1480M01BLK	3.0

Special lights to meet local requirements are available upon request
**For Great Lakes use
Note: L.E.D.'s have no user serviceable parts

MADE IN THE USA

FLEX MOUNT SYSTEM SINGLE L.E.D. NAVIGATION LIGHT SETS (2NM/5NM)

Flex Mount System

Figs. 1377 - 1380 Series Single L.E.D. Navigation Lights

CE LED

USCG 2 nm USCG 5 nm

Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length
Single lights are also individual replacement lights for the
1077 to 1080 series double stack lights (Pg C•7)

CONSTRUCTION:

- Black or White Polymer
- Pre-Wired with 3 Feet of 18/2-SO Cable
- Translucent color specific insert on top of light for easy identification

Fig. 1377
Red & Green Side Lights

Fig. 1378
Masthead Light

Fig. 1379
Stern Light

Fig. 1379
Towing Light

Fig. 1380
All-Round Light

Single Light Ordering Info

Black Polymer Description	Visibility Arc	Visibility Miles	120/240 VAC Black Polymer Std. Pkg. 1 Pc.	12/24 VDC Black Polymer Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	2	1377R00BLK	1377R01BLK	3.2
Green Side Light	112-1/2°	2	1377G00BLK	1377G01BLK	3.2
White Masthead Light	225°	5	1378000BLK	1378001BLK	3.1
White Stern Light	135°	2	1379000BLK	1379001BLK	3.2
Yellow Towing Light	135°	2	1379M00BLK	1379M01BLK	3.2
White All-Round Light	360°	2	1380000BLK	1380001BLK	3.0
White All-Round Light**	360°	5	1380H00BLK	1380H01BLK	3.0
Red All-Round Light	360°	2	1380R00BLK	1380R01BLK	3.0
Green All-Round Light	360°	2	1380G00BLK	1380G01BLK	3.0
Yellow All-Round Light	360°	2	1380M00BLK	1380M01BLK	3.0

White Polymer Description	Visibility Arc	Visibility Miles	120/240 VAC White Polymer Std. Pkg. 1 Pc.	12/24 VDC White Polymer Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	2	1377R00WHT	1377R01WHT	3.2
Green Side Light	112-1/2°	2	1377G00WHT	1377G01WHT	3.2
White Masthead Light	225°	5	1378000WHT	1378001WHT	3.1
White Stern Light	135°	2	1379000WHT	1379001WHT	3.2
Yellow Towing Light	135°	2	1379M00WHT	1379M01WHT	3.2
White All-Round Light	360°	2	1380000WHT	1380001WHT	3.0
White All-Round Light**	360°	5	1380H00WHT	1380H01WHT	3.0
Red All-Round Light	360°	2	1380R00WHT	1380R01WHT	3.0
Green All-Round Light	360°	2	1380G00WHT	1380G01WHT	3.0
Yellow All-Round Light	360°	2	1380M00WHT	1380M01WHT	3.0

Special lights to meet local requirements are available upon request
**For Great Lakes use
Note: L.E.D.'s have no user serviceable parts

Tech Info

- L.E.D.: Operates on 12/24 VDC or 120/240 VAC Systems
- Screw Size: 1/4"
- Height Overall: 6"
- Vert. Height*: 3-1/2"

* Vertical height is the measurement from the mounting surface to the center of the lens.

MARINE NAVIGATION LIGHT CERTIFIED TO THE USCG AND '72 COLREGS BY IMANNA LABS IN ACCORDANCE WITH U.L. 1104 (A.B.Y.C. A-1104). FOR USE ON VESSELS 20 METERS TO 50 METERS.

Fig. 1381000BLK Bracket for mounting Double Stack lights.

L.E.D. NAVIGATION LIGHT SETS

NEW PRODUCT

LED

USCG 2 nm

USCG 3 nm

CE

Fig. 0210 Series L.E.D. Navigation Lights

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

CONSTRUCTION:

- Base or Top Mount Options
- Top Mount includes Stainless Steel Mounting Bracket
- Black or White Polymer
- Clear Polymer Lens
- 12/24 VDC L.E.D.

Ordering & Tech Info - For 12/24 Volt Lights

	Visibility Arc	Black Dealer Pkg. 1 Pc. 1 Pc. per Box	White Std. Pkg. 1 Pc. per Box	Visibility Miles	Ship Wt. Carton Lbs. D.P./Std. Pkg.
Top Mount					
Red Side Light	112-1/2°	0210PT0DP1	0210PT0W01	2	1.0/1.0
Green Side Light	112-1/2°	0210SDTDP1	0210SDTW01	2	1.0/1.0
White Masthead Light	225°	0210MT0DP1	0210MT0W01	3	1.0/1.0
White Stern Light	135°	0210SNTDP1	0210SNTW01	2	1.0/1.0
Yellow Towing Light	135°	0210TWTDP1	0210TWTW01	2	1.0/1.0
Base Mount					
Red Side Light	112-1/2°	0210PB0DP1	0210PB0W01	2	1.0/1.0
Green Side Light	112-1/2°	0210SDBDP1	0210SDBW01	2	1.0/1.0
White Masthead Light	225°	0210MB0DP1	0210MB0W01	3	1.0/1.0
White Stern Light	135°	0210SNBDP1	0210SNBW01	2	1.0/1.0
Yellow Towing Light	135°	0210TWBDP1	0210TWBW01	2	1.0/1.0
White All-Round Light	360°	0210SWBDP1	0210SWBW01	2	0.9/0.9
Red All-Round Light	360°	0210SRBDP1	0210SRBW01	2	0.9/0.9
Green All-Round Light	360°	0210SGBDP1	0210SGBW01	2	0.9/0.9

Tech Info

Mount Option	Voltage	Height Overall Inches	Projection Inches	O.D. Base Inches	Vertical Height	Screw Size
Top Mount	12/24 VDC	4-13/16	3-5/16	--------	1-5/8	8
Base Mount	12/24 VDC	3-13/16	--------	4-1/4	2-3/16	8

Note: L.E.D. lights have no user serviceable parts

See Page C•28-29 for Technical Information.

MADE IN THE USA

EUROPEAN STYLE L.E.D. NAVIGATION LIGHT SETS

Fig. 0170 Series European Style L.E.D. Vertical Mount Navigation Lights

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

CE LED USCG 2 nm USCG 3 nm

PROP 65 WARNING (Contains Lead)

CONSTRUCTION:

- Chrome Plated Brass Top and Black Polymer Base
- Black or White Polymer
- 12 or 24 Volt Options

Tech Info

12 or 24 Volt L.E.D.
Height Overall: 3-5/8"
Width Overall: 4-1/8"
Proj. Overall: 2-1/2"
Screw Size: #10

Fig. 0170BSD
Fig. 0170WP0
Fig. 0170MM0
Fig. 0170BSN
Fig. 0170WTW

L.E.D. 0170 Series - Ordering Information

	Visibility Arc	Visibility Miles	12 Volt Dealer Pkg. 1 Card 1 Pc. per Card	12 Volt Std. Pkg. 1 Pc.	24 Volt Dealer Pkg. 1 Card 1 Pc. per Card	24 Volt Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. DP/Std Pkg.
Black Polymer							
Red Side Lit	112-1/2°	2	0170BP0DP3	0170BP012L	0170BP0DP4	0170BP024L	0.7/0.7
Green Side Light	112-1/2°	2	0170BSDDP3	0170BSD12L	0170BSDDP4	0170BSD24L	0.7/0.7
White Masthead	225°	3	0170BM0DP3	0170BM012L	0170BM0DP4	0170BM024L	0.7/0.7
White Stern Light	135°	2	0170BSNDP3	0170BSN12L	0170BSNDP4	0170BSN24L	0.7/0.7
Yellow Towing	135°	2	0170BTWDP3	0170BTW12L	0170BTWDP4	0170BTW24L	0.7/0.7
Chrome Plated Brass							
Red Side Light	112-1/2°	2	0170MP0DP3	0170MP012L	0170MP0DP4	0170MP024L	0.8/0.8
Green Side Light	112-1/2°	2	0170MSDDP3	0170MSD12L	0170MSDDP4	0170MSD24L	0.8/0.8
White Masthead	225°	3	0170MM0DP3	0170MM012L	0170MM0DP4	0170MM024L	0.8/0.8
White Stern Light	135°	2	0170MSNDP3	0170MSN12L	0170MSNDP4	0170MSN24L	0.8/0.8
Yellow Towing	135°	2	0170MTWDP3	0170MTW12L	0170MTWDP4	0170MTW24L	0.8/0.8
White Polymer							
Red Side Light	112-1/2°	2	0170WP0DP3	0170WP012L	0170WP0DP4	0170WP024L	0.7/0.7
Green Side Light	112-1/2°	2	0170WSDDP3	0170WSD12L	0170WSDDP4	0170WSD24L	0.7/0.7
White Masthead	225°	3	0170WM0DP3	0170WM012L	0170WM0DP4	0170WM024L	0.7/0.7
White Stern Light	135°	2	0170WSNDP3	0170WSN12L	0170WSNDP4	0170WSN24L	0.7/0.7
Yellow Towing	135°	2	0170WTWDP3	0170WTW12L	0170WTWDP4	0170WTW24L	0.7/0.7

See Page C•31 for Technical Information.

Figs. 1342 & 1345 L.E.D. White All-Round Lights

Certified For Use on Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

USCG 2 nm CE

CONSTRUCTION:

- Reduced Glare Design with Clear Fluted Lens & Frosted Globe

Fig. 1342: Black Polymer Top

- 3/4" Pipe Mount Threaded Aluminum Base

Fig. 1345: White Polymer Top & Base

- Fixed Mount Base

LED

Tech Info

Fig. 1345
12 Volt L.E.D.
Pole: 3/4" Dia. Anodized
Screw Size: #8
Base Dimensions:
1" x 2-5/8"

Fig. 1342
12 or 24 Volt L.E.D.
For 3/4" Pipe
Base Dimensions:
1-1/2" O.D.

Ordering Info

Voltage	Vertical Height Inches	Dealer Pkg. 1 Pc. per Card	OEM Bulk Pkg. 1 Pc.	Ship Wt. Carton Lbs. DP/OEM Bulk
12	7-1/8	1345DP1WHT	1345001WHT	0.8/0.5
12	4-5/8	----------	1342001BLK	0.6
24	4-5/8	----------	1342002BLK	0.6

L.E.D.'s have no user serviceable parts

Fig. 1345

Fig. 1342

SINGLE LENS NAVIGATION LIGHTS

CLASSIFIED UL 343F MARINE A-1104 CE

Figs. 1369 - 1374 Series Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

CONSTRUCTION:

- Lightweight But Durable Fiber-Filled Black Polymer
- Pre-Wired Medium Prefocus Socket
- Includes One 3 Foot Length of 16/2-SO Cable Through Watertight Terminal Tubes
- Watertight Access Cap for Rebulbing and Cleaning
- Rough Service Bulbs are Available

Ordering Info

Description	Visibility Arc	Visibility Miles	Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	3	1372RE0BLK	4.4
Green Side Light	112-1/2°	3	1372GE0BLK	4.4
White Masthead Light	225°	6	1373E00BLK	4.3
White Stern Light*	135°	3	1374E00BLK	4.4
Yellow Towing Light	135°	3	1374ME0BLK	4.4
White All-Round Light*	360°	3	1369E00BLK	4.1
White All-Round Light**	360°	6	1369HE0BLK	4.1
Red All-Round Light	360°	3	1370RE0BLK	4.1
Green All-Round Light	360°	3	1370GE0BLK	4.1
Yellow All-Round Light	360°	3	1370ME0BLK	4.1

Tech Info

Bulb: 24, 120 or 220 Volt (Not Included, see below)

Mounting Bolt Size: 3/8"
Height Overall: 9-1/4"
Height Lens: 6-3/4"

Special lights to meet local requirements are available upon request.
*These lights are supplied with a Gray Tinted Lens
**For Great Lakes use

IMPORTANT BULB DATA

To comply with UL Standard A-1104 (A.B.Y.C.), the lights listed on this page must be used with the following PERKO bulbs:
24 Volt Use Cat. No. 0342024CLR
120 Volt Use Cat. No. 0342004CLR or 0342RS4CLR when a "Rough Service" bulb is required.
220 Volt Use Cat. No. 0342220CLR.

SPARE PARTS ORDERING INFORMATION

Access Cap Assembly: 1363SGLBLK
Medium Prefocus Socket: 0367
Bulb Information:
24V = 0342024CLR
120V= 0342004CLR or 0342RS4CLR
220V= 0342220CLR

See Page C•36 for Bulb Information.

Figs. 1364 - 1368 Series Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

CE CLASSIFIED UL 343F MARINE A-1104

CONSTRUCTION:

- Lightweight But Durable Fiber-Filled Black Polymer
- Pre-Wired Medium Prefocus Socket
- Includes Two 3 Foot Lengths of 16/2-SO Cable Through Watertight Terminal Tubes
- Watertight Access Cap for Rebulbing and Cleaning
- Rough Service Bulbs are Available

Ordering Info

Description	Visibility Arc	Visibility Miles	Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	3	1364RE0BLK	7.0
Green Side Light	112-1/2°	3	1364GE0BLK	7.0
White Masthead Light	225°	6	1365E00BLK	6.9
White Stern Light*	135°	3	1366E00BLK	6.9
Yellow Towing Light	135°	3	1366ME0BLK	6.9
White All-Round Light*	360°	3	1367E00BLK	6.3
White All-Round Light**	360°	6	1367HE0BLK	6.3
Red All-Round Light	360°	3	1368RE0BLK	6.3
Green All-Round Light	360°	3	1368GE0BLK	6.3
Yellow All-Round Light	360°	3	1368ME0BLK	6.3

Tech Info

Bulb: 24, 120 or 220 Volt (Not Included)

Mounting Bolt Size: 3/8"
Height Overall: 17-1/4"
Height Lens: 6-3/4"

Special lights to meet local requirements are available upon request
*These lights are supplied with a Gray Tinted Lens
**For Great Lakes use

Fig. 1364
Green Side Light

Fig. 1368
Red All-Round

Fig. 1366
Yellow Towing

Fig. 1367
White All-Round

Fig. 1364
Red Side Light

IMPORTANT BULB DATA

To comply with UL Standard A-1104 (A.B.Y.C.), the lights listed on this page must be used with the following PERKO bulbs:
24 Volt Use Cat. No. 0342024CLR
120 Volt Use Cat. No. 0342004CLR or 0342RS4CLR when a "Rough Service" bulb is required.
220 Volt Use Cat. No. 0342220CLR.

SPARE PARTS ORDERING INFORMATION

Access Cap Assembly Including
Top Socket: 1363DBLBLK
Medium Prefocus Socket: 0367
Bulb Information:
24V = 0342024CLR
120V= 0342004CLR or 0342RS4CLR
220V= 0342220CLR

See Page C•36 for Bulb Information.

SINGLE LENS NAVIGATION LIGHTS

CLASSIFIED UL 343F MARINE A-1104 CE

Figs. 1169 - 1174 Series Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

CONSTRUCTION:

- Heavy Duty Cast Bronze
- Pre-Wired Medium Prefocus Socket
- 3 Feet of 16/3-SO Cable Through a Watertight Terminal Tube
- Watertight Access Cap for Rebulbing and Cleaning
- 120 Volt Only, Bulb Not Included
- Rough Service Bulbs are Available

Ordering Info

Description	Visibility Arc	Visibility Miles	Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	3	1172RE0PLB	12.4
Green Side Light	112-1/2°	3	1172GE0PLB	12.4
White Masthead Light	225°	6	1173E00PLB	12.4
White Stern Light*	135°	3	1174E00PLB	12.4
Yellow Towing Light	135°	3	1174ME0PLB	12.6
White All-Round Light*	360°	3	1169E00PLB	11.2
White All-Round Light**	360°	6	1169HE0PLB	11.2
Red All-Round Light	360°	3	1170RE0PLB	11.2
Green All-Round Light	360°	3	1170GE0PLB	11.2
Yellow All-Round Light	360°	3	1170ME0PLB	11.2

Tech Info

Bulb: 120 Volt
(Not Included)
0342004CLR or 0342RS4CLR

Mounting Bolt Size: 3/8"
Height Overall: 9-1/4"
Height Lens: 6-3/4"

Special lights to meet local requirements are available upon request
*These lights are supplied with a Gray Tinted Lens
**For Great Lakes use

Fig. 1172 Green Side Light

Fig. 1170 Green All-Round

Fig. 1170 Red All-Round

Fig. 1172 Red Side Light

Fig. 1173 White Masthead

Fig. 1170 Yellow All-Round

Fig. 1174 White Stern

PROP 65 WARNING
(Contains Lead)

IMPORTANT BULB DATA
To comply with UL Standard A-1104 (A.B.Y.C.), the lights listed on this page must use a PERKO Cat. No. 0342004CLR bulb or 0342RS4CLR bulb when a "Rough Service" bulb is required.

Spare Parts Ordering Information

Spare Lenses:
Red: 0261001RED
Green: 0261001GRN
White: 0261001CLR
Gray: 0261001GRY
Yellow: 0261001YLW

Lens Gasket: 1143
O-Ring for Cap: 1119
Medium Prefocus Socket: 0367
Lens Retaining Clip with Bolt: 1133
Access Cap, O-Ring and Retainer: 1105000BLK

See Page C•36 for Bulb Information.

Figs. 1164 - 1168 Series Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

CE CLASSIFIED UL 343F MARINE A-1104

CONSTRUCTION:

- Heavy Duty Cast Bronze
- Pre-Wired Medium Prefocus Socket in Each Compartment
- Two 3 Foot Lengths of 16/3-SO Cable Through a Watertight Terminal Tube
- Watertight Access Cap for Rebulbing and Cleaning
- 120 Volt Only, Bulb Not Included
- Rough Service Bulbs are Available

Ordering Info

Description	Visibility Arc	Visibility Miles	Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	3	1164RE0PLB	22.5
Green Side Light	112-1/2°	3	1164GE0PLB	22.5
White Masthead Light	225°	6	1165E00PLB	21.5
White Stern Light*	135°	3	1166E00PLB	22.3
Yellow Towing Light	135°	3	1166ME0PLB	22.4
White All-Round Light*	360°	3	1167E00PLB	20.0
White All-Round Light**	360°	6	1167HE0PLB	20.0
Red All-Round Light	360°	3	1168RE0PLB	20.0
Green All-Round Light	360°	3	1168GE0PLB	20.0
Yellow All-Round Light	360°	3	1168ME0PLB	20.0

Tech Info

Bulb: 120 Volt
(Not Included)
0342004CLR or 0342RS4CLR

Mounting Bolt Size: 3/8"
Height Overall: 17-1/4"
Height Lens: 6-3/4"

Special lights to meet local requirements are available upon request
*These lights are supplied with a Gray Tinted Lens
**For Great Lakes use

Fig. 1164
Green Side Light

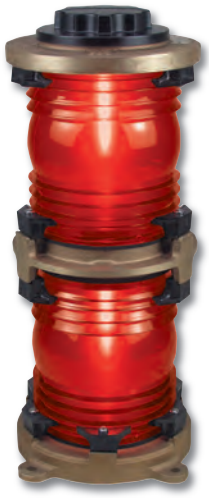


Fig. 1168
Red All-Round

Fig. 1166
Yellow Towing

Fig. 1167
White All-Round

Fig. 1164
Red Side Light

Spare Parts Ordering Information

Spare Lenses:
Red: 0261001RED
Green: 0261001GRN
White: 0261001CLR
Gray: 0261001GRY
Yellow: 0261001YLW

Lens Gasket: 1143
O-Ring for Cap: 1119
Dual Medium Prefocus Socket Assembly: 0303
Lens Retaining Clip with Bolt: 1133
Access Cap, O-Ring and Retainer: 1105000BLK

PROP 65 WARNING
(Contains Lead)

IMPORTANT BULB DATA
To comply with UL Standard A-1104 (A.B.Y.C.), the lights listed on this page must use a PERKO Cat. No. 0342004CLR bulb or 0342RS4CLR bulb when a "Rough Service" bulb is required.

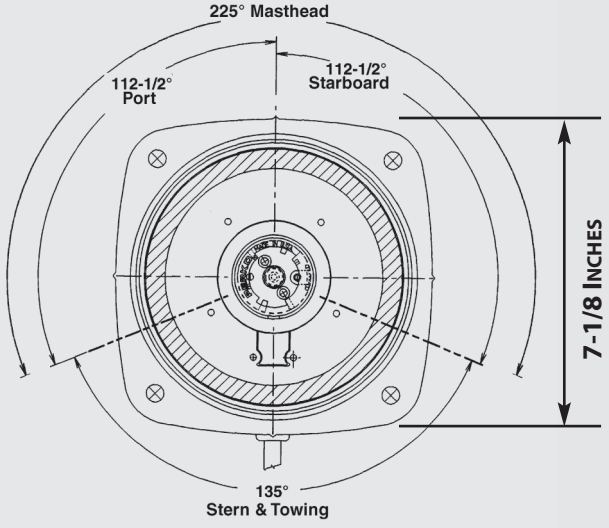
See Page C•36 for Bulb Information.

SINGLE & DOUBLE LENS NAVIGATION LIGHTS - TECHNICAL INFORMATION

Figs. 1364 - 1374 Series Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

Fig. Nos. 1369 to 1374 Series Single Lens Navigation Light Technical Information (See Lights on Page C•14).



3 - MOUNTING HOLES, FOR 3/8 INCH BOLTS, SPACED 5-15/64 APART ON CENTER.

SPARE PARTS ORDERING INFORMATION

1) Access Cap Assembly: Cat. No. 1363SGLBLK.
2) Medium Prefocus Socket: Cat. No. 0367
3) Spare Bulb Information
   24V: 0342024CLR
   120V: 0342004CLR or 0342RS4CLR
   220V: 0342220CLR

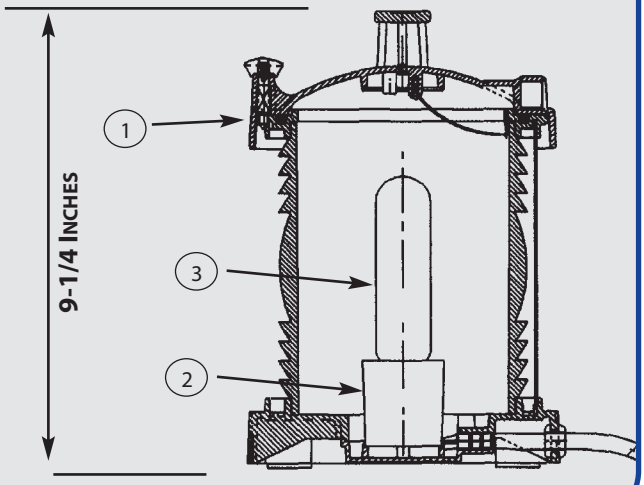
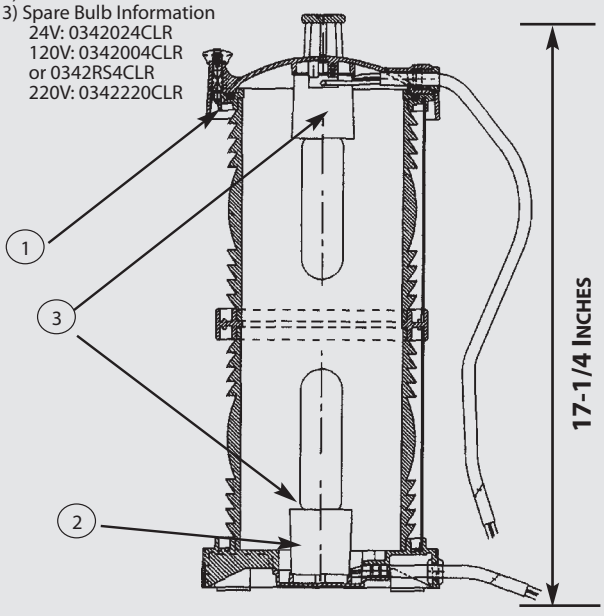
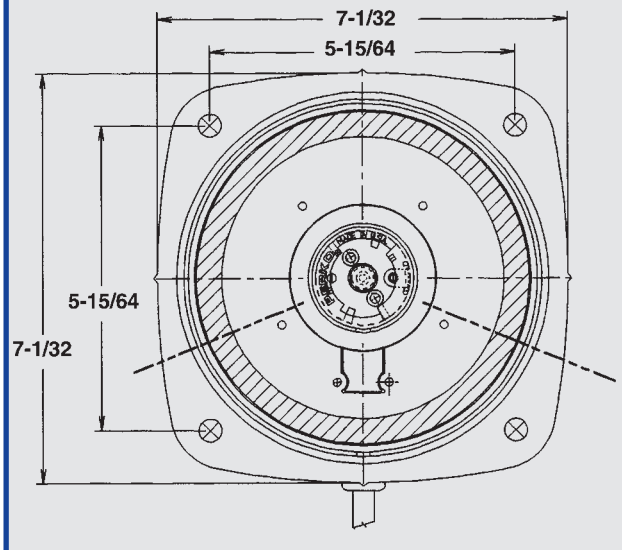


Fig. Nos. 1364 to 1368 Series Double Lens Navigation Light Technical Information (See Lights on Page C•15)

SPARE PARTS ORDERING INFORMATION

1) Access Cap Assembly: Cat. No. 1363DBLBLK.
2) Medium Prefocus Socket: Cat. No. 0367
3) Spare Bulb Information
   24V: 0342024CLR
   120V: 0342004CLR
   or 0342RS4CLR
   220V: 0342220CLR





3 - MOUNTING HOLES, FOR 3/8 INCH BOLTS, SPACED 5-15/64 APART ON CENTER.

See Page C•36 for Bulb Information.

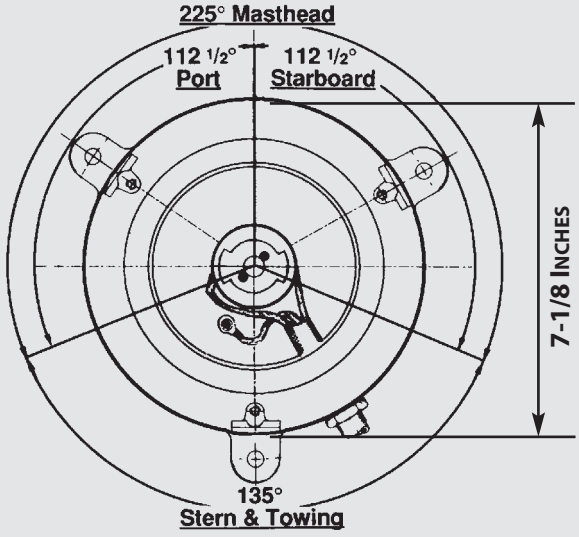
MADE IN THE USA

SINGLE & DOUBLE LENS NAVIGATION LIGHTS - TECHNICAL INFORMATION

Figs. 1164 - 1174 Series Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

Fig. Nos. 1169 to 1174 Series Single Lens Navigation Light Technical Information **(See Lights on Page C•16)**



3 - MOUNTING HOLES, FOR 3/8 INCH BOLTS, SPACED 120° APART, ON A 8-1/8 INCH DIAMETER CIRCLE

SPARE PARTS ORDERING INFORMATION

1) Access Cap, O-Ring and Retainer: 1105000BLK
2) O-Ring for Cap: 1119
3) Lens Gasket: 1143
4) Spare Lenses:
   Red: 0261001RED
   Green: 0261001GRN
   White: 0261001CLR
   Gray: 0261001GRY
   Yellow: 0261001YLW
5) Lens Retaining Clip with Bolt: 1133
6) Medium Prefocus Socket: 0367

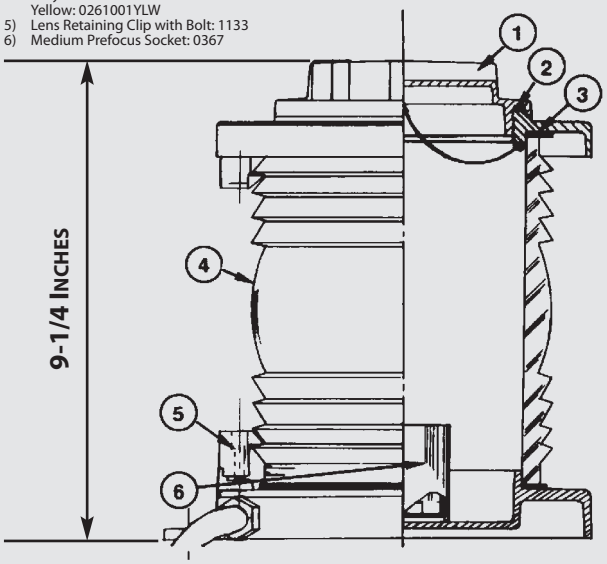
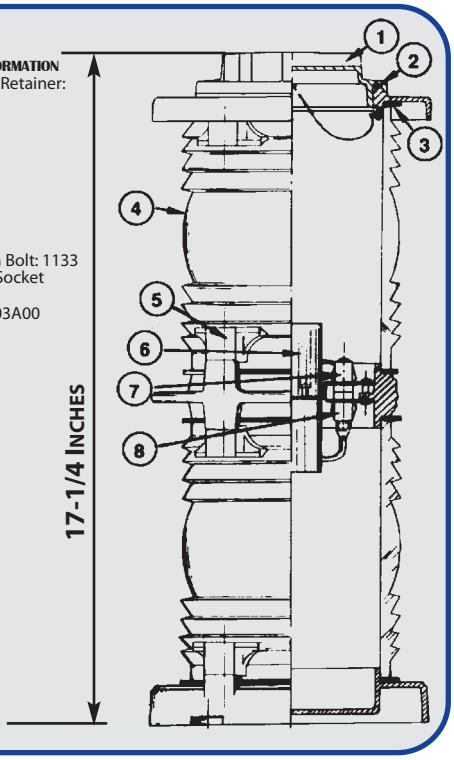
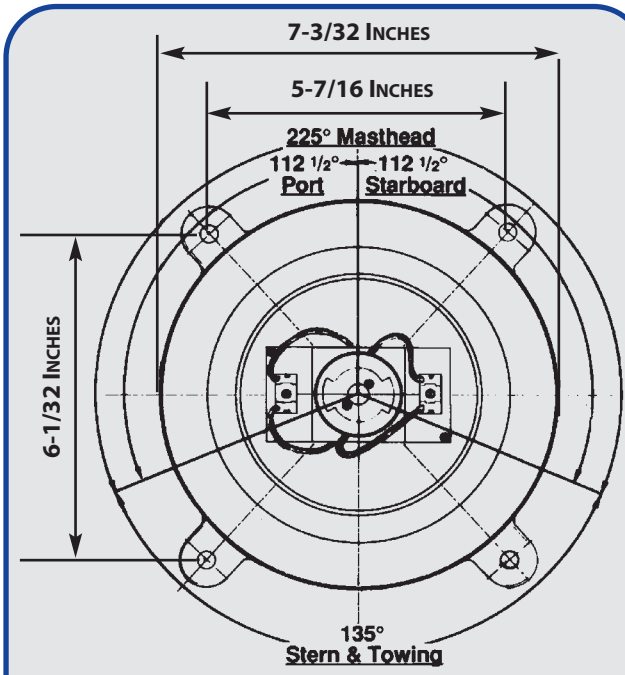


Fig. Nos. 1164 to 1168 Series Double Lens Navigation Light Technical Information **(See Lights on Page C•17)**

SPARE PARTS ORDERING INFORMATION

1) Access Cap, O-Ring and Retainer: 1105000BLK
2) O-Ring for Cap: 1119
3) Lens Gasket: 1143
4) Spare Lenses:
   Red: 0261001RED
   Green: 0261001GRN
   White: 0261001CLR
   Gray: 0261001GRY
   Yellow: 0261001YLW
5) Lens Retaining Clip with Bolt: 1133
6) Dual Medium Prefocus Socket Assembly: 0303
7) Male Electrical Plug: 0303A00
8) Female Electrical Receptacle: 0303B00





4 - MOUNTING HOLES, FOR 3/8 INCH BOLTS, ON A 8-1/8 INCH DIAMETER CIRCLE, SPACED AS SHOWN ABOVE

See Page C•36 for Bulb Information.

NAVIGATION LIGHT SETS

CLASSIFIED UL 343F MARINE A-1104 CE

Figs. 1150 - 1153 Series Navigation Lights

Certified For Use on Vessel Lengths as Specified Below

CONSTRUCTION:

- Sheet Metal, Preprimed Galvanized Steel
- Medium Prefocus Socket
- Watertight Terminal Tube for 16/3-SO Cable
- Watertight Access Cap for Rebulbing and Cleaning

Ordering Info

Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length

Description	Standard Pkg. 1 Pc.	Visibility Arc	Visibility Miles	Required Bulb	Ship Wt. Carton Lbs. Std. Pkg.
Red Side Light	1150RE1GAL	112-1/2°	2	0342002CLR	6.1
Green Side Light	1150GE1GAL	112-1/2°	2	0342002CLR	6.1
White Masthead Light	1151E01GAL	225°	5	0342003CLR	6.3
White Stern Light	1152E01GAL	135°	2	0342000CLR	6.1
Yellow Towing Light	1152ME1GAL	135°	2	0342000CLR	6.1
White All-Round Light	Discontiued - See Fig. 1153E02GAL Below				

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

Red Side Light	1150RE2GAL	112-1/2°	3	0342004CLR*	10.9
Green Side Light	1150GE2GAL	112-1/2°	3	0342004CLR*	10.9
White Masthead Light	1151E02GAL	225°	6	0342004CLR*	10.0
White Stern Light	1152E02GAL	135°	3	0342002CLR	9.5
White All-Round Light	1153E02GAL	360°	3	0342003CLR	10.6

Tech Info

Bulb: 120 Volt
(Not Included)

Screw Size: 1/4"

Size No. 1

Height Overall: 11-1/2"
Height Lens: 6-3/4"

Size No. 2

Height Overall: 13-1/2"
Height Lens: 7-1/2"

*0342RS4CLR bulbs can be substituted for 0342004CLR where "Rough Service" bulbs are required

PROP 65 WARNING
(Contains Lead)

Fig. 1150

Fig. 1151

Fig. 1152

Fig. 1153

SPARE PARTS ORDERING INFORMATION (ALSO SEE PAGE C•36)

Lenses:

112-1/2°	0259 No. 1 or 2, Specify RED or GRN.
135°	0269 No. 1 or 2, Specify YLW or WHT.
225°	0256 No. 1 or 2, WHT.
360°	0261F No. 1 or 2, Specify RED, GRN, YLW or WHT.

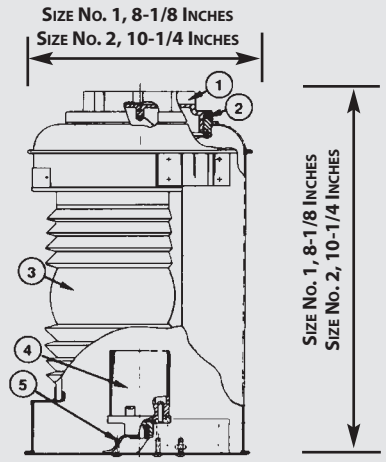
Medium Prefocus Socket: 0347A00.
Access Cap, O-Ring and Retainer: 1105000BLK.
O-Ring for Cap: 1119.
Socket Supports: 0341001PLB or 034101APLB.

IMPORTANT BULB DATA
To comply with UL Standard A-1104 (A.B.Y.C.), the lights listed as specified above on this page must use a PERKO Cat. No. 0342 bulb, as specified above.

See Page C•36 for Bulb Information.

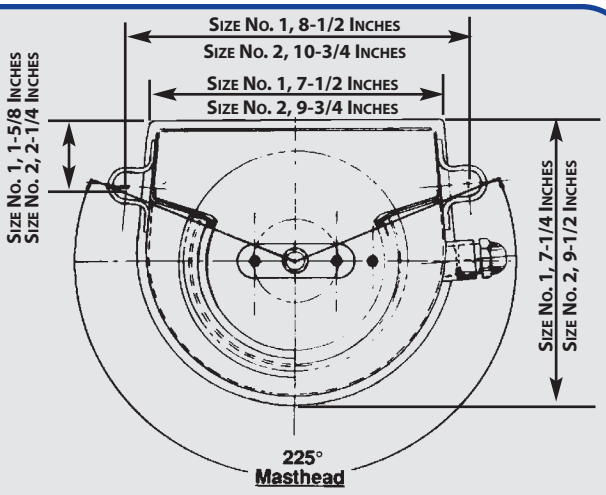
Figs. 1150 - 1154 Series Lights

Certified For Use on Vessel Lengths as Specified on the opposite page

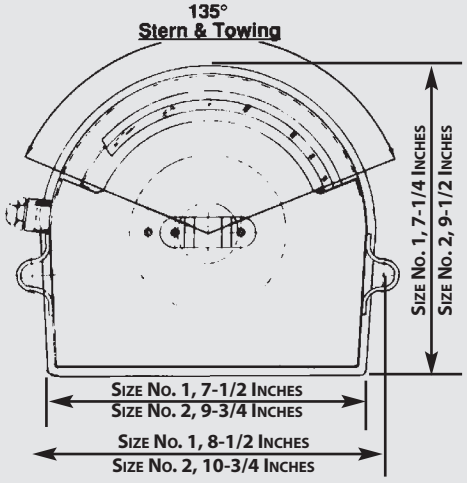


1150 SIDE LIGHTS

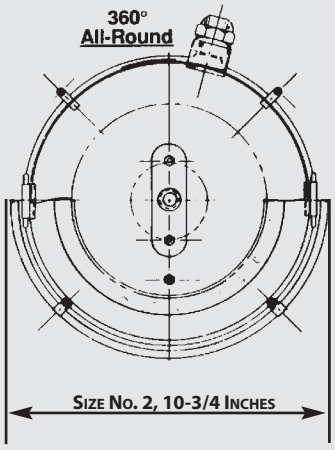
STARBOARD LIGHT SHOWN - PORT SIDE OPPOSITE



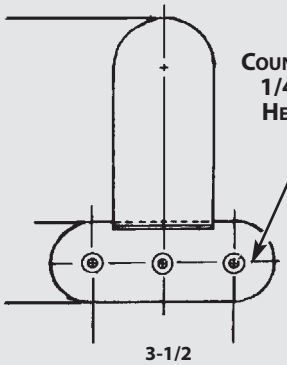
1151 & 1111ME* MASTHEAD LIGHTS (*See page C•24)



1152 STERN & TOWING LIGHTS



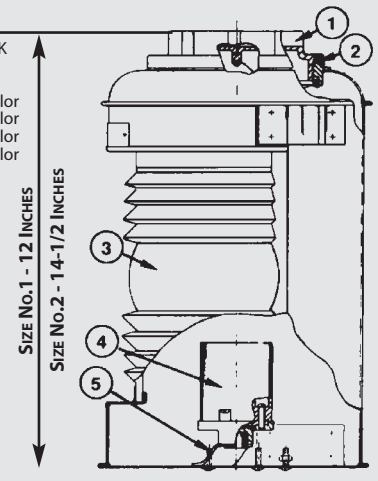
1153 ALL-ROUND LIGHTS



MOUNTING BRACKETS FOR 1150 SIDE LIGHTS, CAT. NO. 0143000ALU.

SPARE PARTS ORDERING INFORMATION

1) Access Cap, O-Ring and Retainer: 1105000BLK
2) O-Ring for Cap, Cat. No. 1119.
3) Lenses:
   112-1/2° Cat. No. 0259001 or 002, Specify Color
   135° Cat. No. 0269001 or 002, Specify Color
   225° Cat. No. 0256001 or 002, Specify Color
   360° Cat. No. 0261001 or 002, Specify Color
4) Medium Prefocus Socket: 0347A00
5) Socket Support Stand:
   Size No. 1: 0341001PLB
   Size No. 2: 034101APLB



TYPICAL VIEW

NAVIGATION LIGHT SETS

MADE IN THE USA

Tech Info

Bulb: 12, 24, 32 or 120 Volt (Not Included)
Screw Size: 1/4"
Height Overall: 7-1/2"
Height Lens: 4-1/2"

Figs. 1127 - 1130 Series Navigation Lights

Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length

CONSTRUCTION:

- Black or White Polymer
- Pre-Wired Double Contact Socket and 3 Feet of 16/3-SO Cable
- Watertight Access Cap for Rebulbing and Cleaning

Fig. 1127
Red & Green Side Lights

Fig. 1128
Masthead Light

Fig. 1129
Towing Light

Fig. 1129
Stern Light

Fig. 1130
All-Round Lights

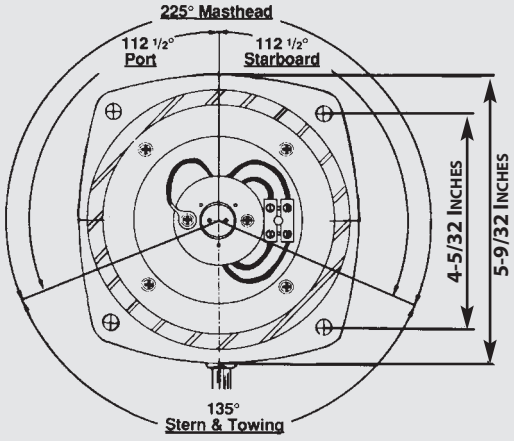
Ordering Info

Description	Visibility Arc	Visibility Miles	Black Polymer Std. Pkg. 1 Pc.	White Polymer Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
Red Side Light	112-1/2°	2	1127RA0BLK	1127RA0WHT	2.7
Green Side Light	112-1/2°	2	1127GA0BLK	1127GA0WHT	2.7
White Masthead Light	225°	5	1128A00BLK	1128A00WHT	2.6
White Stern Light*	135°	2	1129A00BLK	1129A00WHT	2.7
Yellow Towing Light	135°	2	1129MA0BLK	1129MA0WHT	2.7
White All-Round Light*	360°	2	1130A00BLK	1130A00WHT	2.5
White All-Round Light**	360°	5	1130HA0BLK	1130HA0WHT	2.5
Red All-Round Light	360°	2	1130RA0BLK	1130RA0WHT	2.5
Green All-Round Light	360°	2	1130GA0BLK	1130GA0WHT	2.5
Yellow All-Round Light	360°	2	1130MA0BLK	1130MA0WHT	2.5

USCG 5 nm
USCG 2 nm
CLASSIFIED UL 343F MARINE A-1104
CE

IMPORTANT BULB DATA
To comply with UL Standard A-1104 (A.B.Y.C.), the lights listed on this page must use a PERKO Cat. No. 0374 bulb.

Special lights to meet local requirements are available upon request
*These lights are supplied with a Gray Tinted Lens
**For Great Lakes use

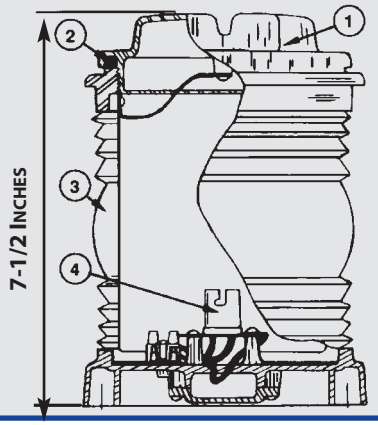


4 - MOUNTING HOLES, FOR 1/4 INCH BOLTS SPACED 90° APART, ON A 5-13/16 INCH DIAMETER CIRCLE.

SPARE PARTS ORDERING INFORMATION

1) Access Cap, O-Ring & Retainer: 1105000BLK or 1105000WHT
2) O-Ring for Cap: 1119.
3) Lens Assembly
Red: 0249000RED
Green: 0249000GRN
White: 0249000CLR
Gray: 0249000GRY
Yellow: 0249000YLW
4) Double Contact Socket: 0134

Required Bulbs:
12 Volt: 0374001CLR
24 Volt: 0374002CLR
32 Volts: 0374003CLR
120 Volts: 0374004CLR



See Page C•36 for Bulb Information.

MADE IN THE USA

Figs. 0004D, 0005D & 0007D Series Navigation Lights

Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length

Figs. 0004F, 0005F, 0007F Series Navigation Lights

F- Series Lights are Certified For Replacement Use Only* on Power Driven Vessels Under 20 Meters (65.6 Ft.) in Length

REPLACEMENT A-16 ONLY — F Series*

CLASSIFIED UL 343F MARINE A-1104 — D Series

CONSTRUCTION:

- Bottom Opening, Complete with Mounting Bracket
- **D Series:** Sheet Metal, Preprimed Galvanized Steel, Polished or Chrome Plated Brass
- Single Contact Prefocus Socket
- **F Series:** Preprimed Galvanized Steel, Polished Brass

Tech Info

Bulb Not Included
D Series: 12 Volt
F Series: 12 or 32 Volt
Screw Size: #10
Height Overall: 8-1/2"
Height Lens: 5-1/8"

IMPORTANT BULB DATA FOR D SERIES
To comply with UL Standard A-1104 (A.B.Y.C.), the lights listed on this page must use a PERKO Cat. No. 0373 bulb, as specified below.

PROP 65 WARNING
(Contains Lead)

Fig. 0004G — Fig. 0004R

Fig. 0005

Fig. 0007

Fig. 0007M

Ordering Info - D Series

Description	Galvanized Steel	Polished Brass	Chrome Plated Brass	Visibility Arc	Visibility Miles	12V Required Bulb	Ship Wt. Carton Lbs. Std. Pkg. 1 Pc.
Red Side Light	0004RD3GAL	0004RD3POL	0004RD3CHR	112-1/2°	2	0373003CLR	2.7
Green Side Light	0004GD3GAL	0004GD3POL	0004GD3CHR	112-1/2°	2	0373002CLR	2.7
White Masthead Light	0005D03GAL	0005D03POL	0005D03CHR	225°	5	0373005CLR	2.9
White Stern Light	0007D03GAL	0007D03POL	0007D03CHR	135°	2	0373001CLR	2.8
Yellow Towing Light	0007MD3GAL	0007MD3POL	0007MD3CHR	135°	2	0373002CLR	2.8

Ordering Info - F Series*

Description	Galvanized Steel	Polished Brass	Visibility Arc	Visibility Miles	12V Required Bulb	32V Required Bulb	Ship Wt. Carton Lbs. Std. Pkg. 1 Pc.
Side Lights (Pair)	0004F03GAL	0004F03POL	112-1/2°	2	0070DP1CLR	0070DP2CLR	5.0
Red Side Light	0004RF3GAL	0004RF3POL	112-1/2°	2	0070DP1CLR	0070DP2CLR	2.7
Green Side Light	0004GF3GAL	0004GF3POL	112-1/2°	2	0070DP1CLR	0070DP2CLR	2.7
White Masthead Light	0005F03GAL	0005F03POL	225°	3	0070DP1CLR	0070DP2CLR	2.7
White Stern Light	0007F03GAL	0007F03POL	135°	2	0070DP1CLR	0070DP2CLR	2.7
Yellow Towing Light	0007MF3GAL	0007MF3POL	135°	2	0070DP1CLR	0070DP2CLR	2.7

See Page C•35 & C•36 for Bulb Information.

SPARE PARTS ORDERING INFORMATION

Lenses: 112-1/2° Fig. No. 0259CL3, Specify RED or GRN.
135° Fig. No. 0269CL3, Specify YLW or WHT.
225° Fig. No. 0256CL3WHT.

Mounting Bracket: 0131000GAL or PLB.
Spare Electric Adapter for "F" Series: 0290F03.
For D Series: Single Contact Prefocus Socket Assembly, Complete with Stand, Bottom Plate and Gasket: 0294003PLB.

Fig. 0290

Fig. 1111 - Special Purpose Flashing Yellow Light

For Use on Vessels of Any Length

Fig. 1111

IMPORTANT BULB DATA
To comply with Federal Requirements this light must use a PERKO Cat. No. 0342004CLR bulb or 0342RS4CLR bulb when "Rough Service" bulbs are required.

CONSTRUCTION:
- Sheet Metal, Preprimed Galvanized Steel
- Medium Prefocus Socket
- Watertight Terminal Tube for 16/3-SO Cable
- Sealed Flasher Unit
- Watertight Access Cap for Rebulbing and Cleaning

Designed to meet Federal Requirements for 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 volt A.C. only. Federal Requirements for this light are applicable for: inland waters, the Atlantic, Pacific and Gulf coasts, intercoastal waterways and western rivers. Refer to the U.S. Inland Navigation Rules for application, configuration and technical details.

Ordering Info				
Standard Pkg. 1 Pc.	**Visibility Miles**	**Visibility Arc**	**Flashes Per Minute**	**Ship Wt. Carton Lbs. Std. Pkg.**
1111ME1GAL	2	225°	50-70	6.4

Tech Info
Bulb: 120 Volt (Not Included)
Height Overall: 11-1/2"
Height Lens: 6-3/4"

CE

SPARE PARTS ORDERING INFORMATION
Flasher: 0133. Medium Prefocus Socket: 0347A00. O-Ring for Cap: 1119.
Access Cap, O-Ring and Retainer: 1105000BLK. Lens: 0256001YLW.
Bulb: 0342004CLR or 0342RS4CLR see Page C•36

Fig. 1129 - Panama Canal Blue Steering Light

For Use on Vessels of Any Length

Fig. 1129

CONSTRUCTION:
- Black Polymer
- Pre-Wired Double Contact Socket with 3 Feet of 16/3-SJO Cable

Ordering Info		
Std. Pkg. - 1 Pc.	**Visibility Arc**	**Ship Wt. Carton Lbs. Standard Pkg.**
1129BA0BLK	135°	2.7

Tech Info
Bulb: 12, 24, 32 or 120 Volt (Not Included)
Height Overall: 7-1/2"
Height Lens: 4-1/4"

SPARE PARTS ORDERING INFORMATION
Bulbs
12 Volt: 0374001CLR.
24 Volt: 0374002CLR.
32 Volt: 0374003CLR.
120 Volt: 0374004CLR.
1105000BLK.
Lens: 0249000BLU.
O-Ring for Cap: 1119.
Double Contact Socket: 0134.
Polymer Access Cap, O-Ring and Retainer:

IMPORTANT BULB DATA
To comply with Panama Canal Requirements this light must use a PERKO Fig. No. 0374 bulb.

CE

Fig. 0454 - Pipe Mount All-Round White Whistle Light

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

CLASSIFIED UL 343F MARINE A-1104

PROP 65 WARNING (Contains Lead)

Fig. 0454

Fig. 0454E Tapped For Pipe Mount

CONSTRUCTION:
- Cast Bronze
- Medium Prefocus Socket

Ordering Info		
Std. Pkg. - 1 Pc.	**Ship Wt. Carton Lbs. Standard Pkg.**	**Visibility Miles**
0454E00PLB	8.6	5

Tech Info
Bulb: 120 Volt (Not Included)
Height Overall: 11-1/2"
Height Lens: 6-3/4"
Tapped Pipe Size: 1"

CE

SPARE PARTS ORDERING INFORMATION
Bulb: 0342004CLR. Lens or Cover Gasket: 1143.
Lens: 0261001CLR. Medium Prefocus Socket: 0367.

See Page C•36 for Bulb Information.

Figs. 0403 & 0412 - Specialty All-Round Lights

Certified For Use on Vessels Over 20 Meters (65.6 ft.) in Length

CONSTRUCTION:

- Cast Bronze
- White, Red, Green or Yellow Lens
- Medium Prefocus Socket

Fig. 0403 - Pipe Mount
Fig. 0412 - Hanging Mount

Fig. 0403 Tapped For Pipe Mount

Fig. 0403

CLASSIFIED UL 343F MARINE A-1104

PROP 65 WARNING (Contains Lead)

Tech Info - 120 Volt Only (Bulb Not Included)

Fig. No.	Ht. Overall Inches	Ht. Lens Inches	Tapped Pipe Size Inches	Visibility Miles
0403	11-1/2	6-3/4	1	3
0412	14	6-3/4	*	3

Ordering Info

White	Red	Green	Yellow	Ship Wt. Carton Lbs. Std. Pkg. 1 Pc.
0403E03PLB**	0403RE3PLB	0403GE3PLB	0403ME3PLB	8.6
0412E00PLB**	0412RE0PLB	0412GE0PLB	0412ME0PLB	9.1

*Supplied with watertight terminal tube for 16/3-SO cable.
**These lights are supplied with gray tinted lenses.

IMPORTANT BULB DATA
To comply with Federal Requirements this light must use a PERKO Cat. No. 0342004CLR bulb or 0342RS4CLR bulb when "Rough Service" bulbs are required.

SPARE PARTS ORDERING INFORMATION

Gray Lens: 0261001GRY.
Yellow Lens: 0261001YLW.
Red Lens: 0261001RED.
Green Lens: 0261001GRN.
Medium Prefocus Socket: 0367.
Gasket for lens: 1143.

Fig. 0412

Figs. 0112A Fixed Mount & 0309A Pipe Mount "A" Series All Round Lights

Certified For Use on Vessels 20 Meters (65.6 ft.) to 50 Meters (164.0 ft.) in Length

Figs. 0112B Fixed Mount & 0309B Pipe Mount "B" Series All-Round Lights

Certified For Replacement Use Only* on Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

CONSTRUCTION:

A Series: Cast Bronze, Plain or Chrome Plated
- Complete with Double Contact Electrical Socket

B Series: Cast Bronze
- Medium Screw Base Type Electrical Socket

Fig. 0309

Fig. 0112

Ordering Info - A/B Series

Description	"A" Series Plain Bronze	"A" Series Chrome Plated Bronze	"B" Series* Plain Bronze	Ship Wt. Carton Lbs. Std. Pkg. 1 Pc.
White All-Round	0112A00PLB	0112A00CHR	0112B00PLB*	2.5
Red All-Round	0112RA0PLB	0112RA0CHR	0112RB0PLB*	2.5
Green All-Round	0112GA0PLB	0112GA0CHR	0112GB0PLB*	2.5
Yellow All-Round	0112MA0PLB	0112MA0CHR	0112MB0PLB*	2.5
White All-Round	0309A00PLB	0309A00CHR	0309B0PLB*	1.8
Red All-Round	0309RA0PLB	0309RA0CHR	0309RB0PLB*	1.8
Green All-Round	0309GA0PLB	0309GA0CHR	0309GB0PLB*	1.8
Yellow All-Round	0309MA0PLB	0309MA0CHR	0309MB0PLB*	1.8

SPARE PARTS ORDERING INFORMATION

Globes:
White: 0106000WHT.
Gray: 0106000GRY.
Red: 0106000RED.
Green: 0106000GRN.
Yellow: 0106000YLW.

Required Bulbs 112/309 A Series:
12 Volt: 0374001CLR
24 Volt: 0374002CLR.
32 Volt: 0374003CLR.
120 Volt: 0374004CLR.

Medium Screw Base Socket: 0226.

Required Bulbs 112/309 B Series:
12 Volt for White and Yellow: 0340005FRD.
12 Volt for Red and Green: 0340006FRD.
32 Volt for White and Yellow: 0340011FRD.
32 Volt for Red and Green: 0340012FRD.

* Replacement use only

Tech Info

Visibility: 2 Miles
A Series: Bulb: 12, 24, 32 or 120 Volt (Not Included)
B Series: Bulb: 12 or 32 Volt (Not Included)

0112
Height Overall: 8-3/4"
Dia. Base: 3-1/8"
Screw Size: #8

0309
Height Overall: 6-1/2"
Tapped Pipe Size: 1/2"

IMPORTANT BULB DATA
"A" Series
To comply with UL Standard A-1104 (A.B.Y.C.), these lights must use a PERKO Cat. No. 0374 bulb.

CLASSIFIED UL 343F MARINE A-1104
A Series

REPLACEMENT A-16 ONLY
B Series

PROP 65 WARNING (Contains Lead)

See Page C•36 for Bulb Information.

NAVIGATION LIGHT SETS

MADE IN THE USA

USCG 2 nm USCG 3 nm CE

Fig. 0200 Series Top Mount Navigation Lights

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

CONSTRUCTION:

- Black or White Polymer with Stainless Steel Mounting Bracket

Ordering & Tech Info - For 12 Volt Lights

	Visibility Arc	Black Dealer Pkg. 5 Cards 1 Pc. per Card	White* Std. Pkg. 1 Pc per Box	Visibility Miles	Replacement Bulb	Ship Wt. Carton Lbs. D.P./Std. Pkg.
Top Mount						
Bi-Color Light	225°	0200BT0DP1	0200BT0W01	2	037512V25W	4.3/1.0
Red Side Light	112-1/2°	0200PT0DP1	0200PT0W01	2	037512V25W	4.5/1.0
Green Side Light	112-1/2°	0200SDTDP1	0200SDTW01	2	037512V25W	4.5/1.0
White Masthead Light	225°	0200MT0DP1	0200MT0W01	3	037512V25W	4.3/1.0
White Stern Light	135°	0200SNTDP1	0200SNTW01	2	037512V10W	4.5/1.0
Yellow Towing Light	135°	0200TWTDP1	0200TWTW01	2	037512V10W	4.5/1.0

* 12 Volt Only

Tech Info

	Height Overall Inches	Projection Inches	O.D. Base Inches	Height Lens Inches	Screw Size
Top Mount Bulb Included	4-13/16	3-5/16	--------	2-3/4	8

Ordering Info - For 24V Lights

For 24V Lights, Replace the "DP1" with "DP2". (Ex: 0200BT0DP2)
For the Replacement Bulb,
Replace the "12V" with "24V" (e.g., 037524V25W).

Ordering Info - For 32V Lights

For 32V Lights, Replace the "DP1" with "DP3". (Ex: 0200BT0DP3)
For the Replacement Bulb,
Replace the "12V" with "32V" (e.g., 037532V25W).

Fig. 0200SNT

Fig. 0200SDT

Fig. 0200TWT

Fig. 0200PT0

Top Mount

Fig. 0200MT0

Fig. 0200BT0

See Page C•28 for Technical Information.
See Page C•35 for Bulb Information.

Fig. 0200 Series Base Mount Navigation Lights

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

USCG 2 nm USCG 3 nm CE

CONSTRUCTION:

- Black or White Polymer

Ordering & Tech Info - For 12 Volt Lights

	Visibility Arc	Black - Dealer Pkg. 5 Cards 1 Pc. per Card	White*** Std. Pkg. 1 Pc per Box	Visibility Miles	Replacement Bulb	Ship Wt. Carton Lbs. D.P./Std. Pkg.
Bi-Color Light	225°	0200BB0DP1	0200BB0W01	2	037512V25W	4.0/1.0
Red Side Light	112-1/2°	0200PB0DP1	0200PB0W01	2	037512V25W	4.2/1.0
Green Side Light	112-1/2°	0200SDBDP1	0200SDBW01	2	037512V25W	4.2/1.0
White Masthead Light	225°	0200MB0DP1	0200MB0W01	3	037512V25W	4.0/1.0
White Stern Light	135°	0200SNBDP1	0200SNBW01	2	037512V10W	4.2/1.0
Yellow Towing Light	135°	0200TWBDP1	0200TWBW01	2	037512V10W	4.0/1.0
White All-Round Light	360°	0200SWBDP1	0200SWBW01	2	037512V10W	3.8/0.9
Red All-Round Light	360°	0200SRBDP1	0200SRBW01	2	037512V25W	3.8/0.9
Green All-Round Light	360°	0200SGBDP1	0200SGBW01	2	037512V25W	3.8/0.9
Tri-Color Light*	360°	0200TB0DP1**	0200TB0W01**	2	037512V25W	3.8/0.9

* For Use on Vessels Under Sail Alone.
** 32V Certified for A-16 Replacement Use Only on Vessels Built Prior to 11/1/03.
*** 12 Volt Only

Tech Info

	Height Overall Inches	Projection Inches	O.D. Base Inches	Height Lens Inches	Screw Size
Base Mount	4-7/8	--------	3-5/16	2-3/4	10

12, 24 or 32 Volt Bulb Included

Ordering Info - For 24V Lights

For 24V Lights, Replace the "DP1" with "DP2". (Ex: 0200BB0DP2)
For the Replacement Bulb,
Replace the "12V" with "24V" (e.g., 037524V25W).

Ordering Info - For 32V Lights

For 32V Lights, Replace the "DP1" with "DP3". (Ex: 0200BB0DP3)
For the Replacement Bulb,
Replace the "12V" with "32V" (e.g., 037532V25W).

Fig. 0200SNB

Fig. 0200SGB

Fig. 0200TWB

Fig. 0200SRB

Base Mount

Fig. 0200PB0

Fig. 0200BB0

Fig. 0200SDB

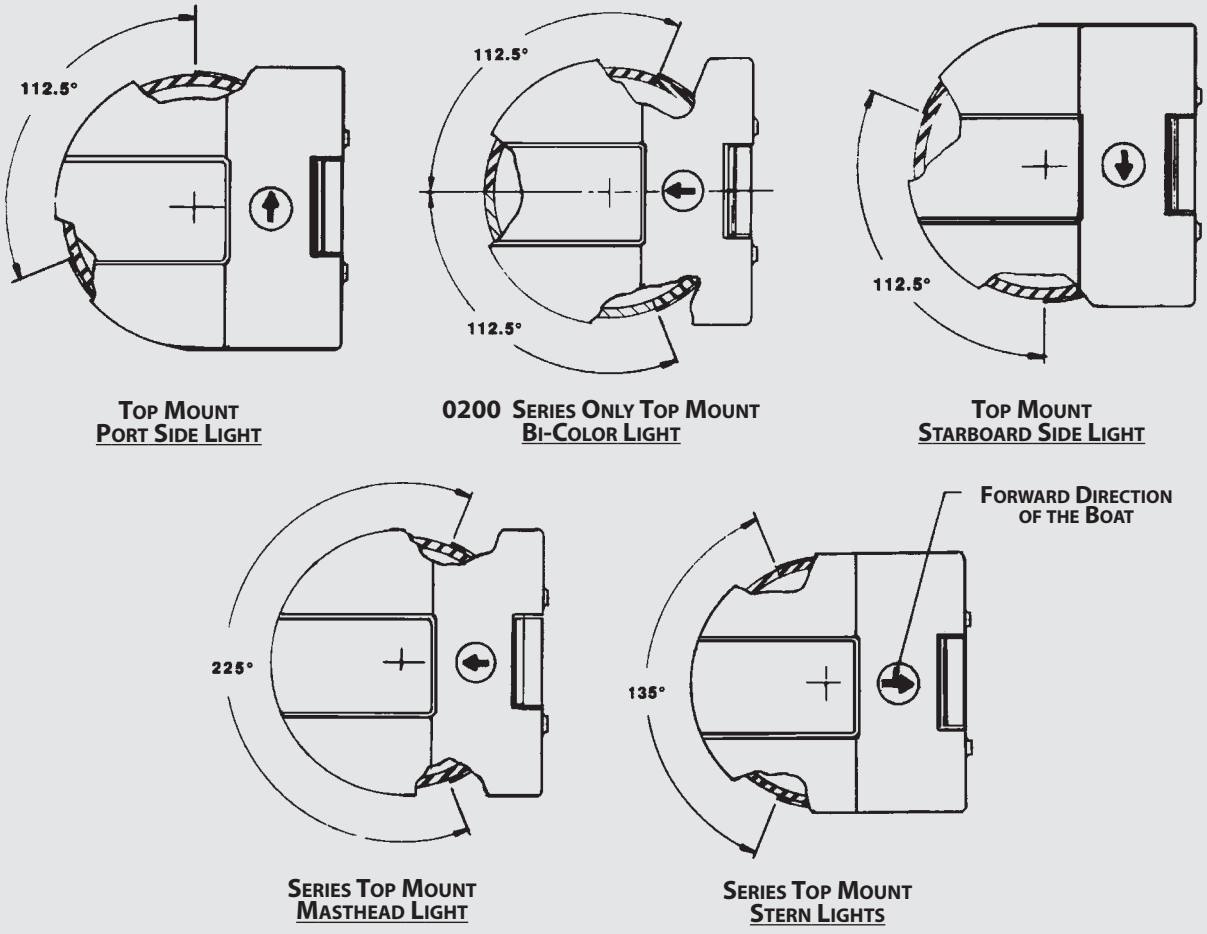
See Page C•29 for Technical Information.
See Page C•35 for Bulb Information.

NAVIGATION LIGHT SETS - TECHNICAL INFORMATION

Figs. 0200 & 0210 Series Top Mount Navigation Lights Technical Information

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

See Page C•12 For 0210 Series L.E.D. Style Lights and Page C•26 for 0200 Series Incandescent Lights.



TOP MOUNT PORT SIDE LIGHT

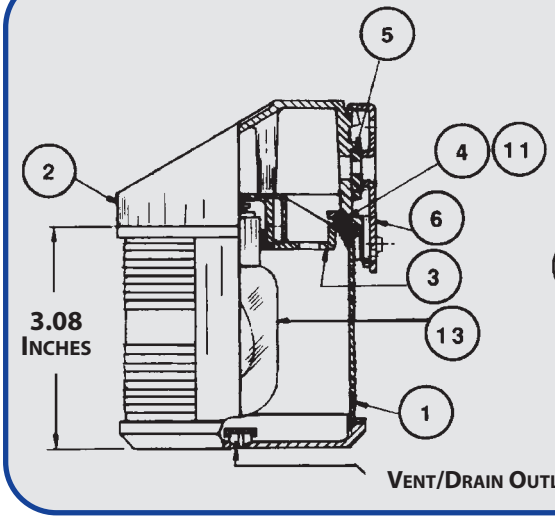
0200 SERIES ONLY TOP MOUNT BI-COLOR LIGHT

TOP MOUNT STARBOARD SIDE LIGHT

SERIES TOP MOUNT MASTHEAD LIGHT

SERIES TOP MOUNT STERN LIGHTS

Note: Fig. 0210 L.E.D. lights have no user serviceable parts



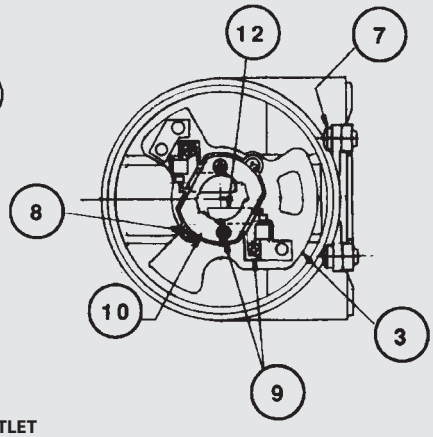


FIG 0200SPARE PARTS ORDERING INFO

1) Lens Assembly
2) Cap, Top, Molding
3) Bulb Holder
4) O-Ring
5) Seal
6) Mounting Plate
7) Screws - 4M x 8mm P.H.
8) Screws - #6 x 1/2" P.H.
9) Screws - #4 x 1/4" P.H.
10) Bulb Support Plate
11) Grease
12) Contact Assembly, Bulb
13) Spare Bulbs

For Masthead, Bi-Color & Side Lights
- 12 Volt: 037512V25W
- 24 Volt: 037524V25W
- 32 Volt: 037532V25W

For Towing & Stern Lights
- 12 Volt: 037512V10W
- 24 Volt: 037524V10W
- 32 Volt: 037532V10W

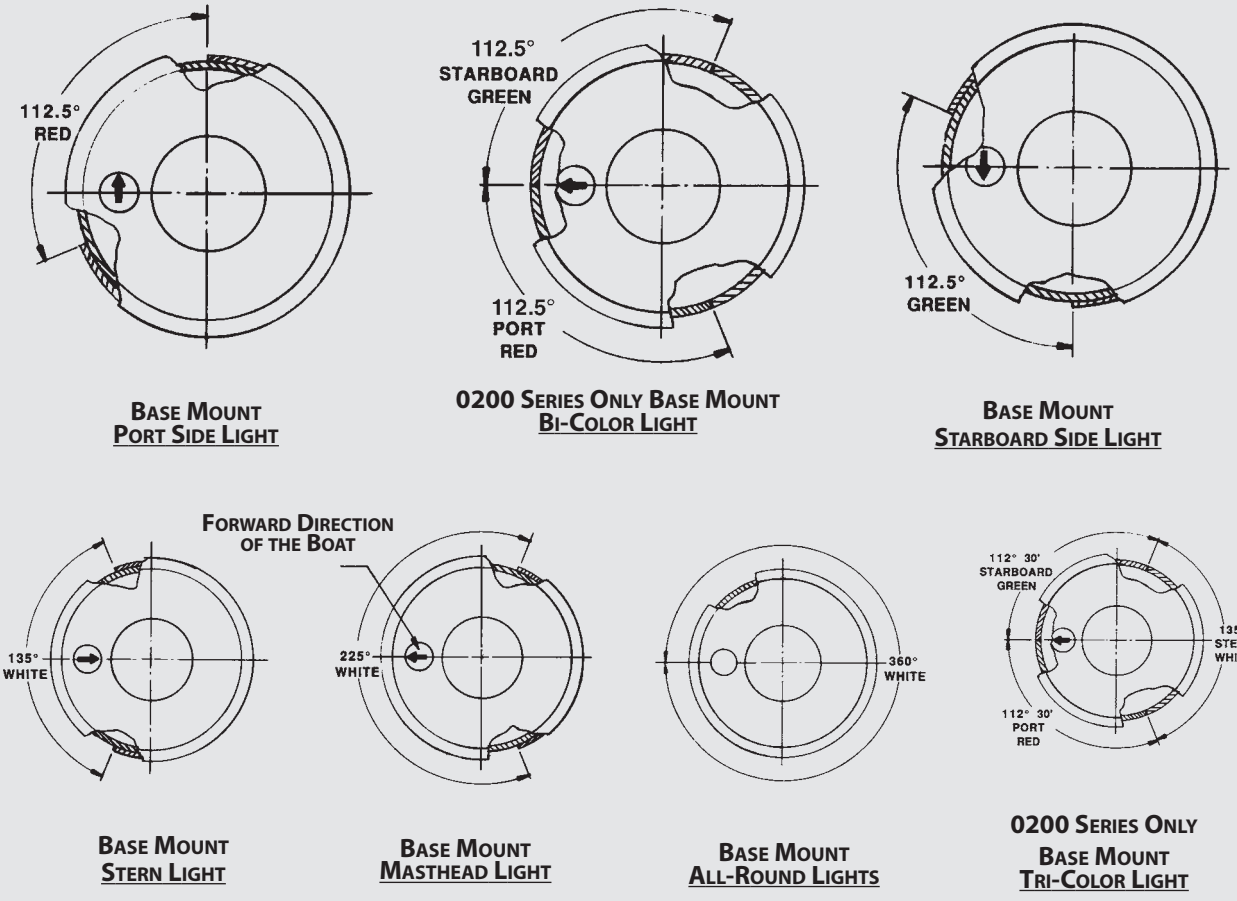
Spare Lens Assembly Part Numbers are Determined by Replacing the Last Three Digits of the Catalog Number with the Letters "LNS" (e.g., 0200BT0LNS, for a Bi-Color Top Mount Lens Assembly).
Spare Replacement Bulb Socket: 0093

See Page C•35 for Bulb Information.

Figs. 0200 & 0210 Series Base Mount Navigation Lights Technical Information

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

See Page C•12 For 0210 Series L.E.D. Style Lights and Page C•27 for 0200 Series Incandescent Lights.



BASE MOUNT PORT SIDE LIGHT

0200 SERIES ONLY BASE MOUNT BI-COLOR LIGHT

BASE MOUNT STARBOARD SIDE LIGHT

BASE MOUNT STERN LIGHT

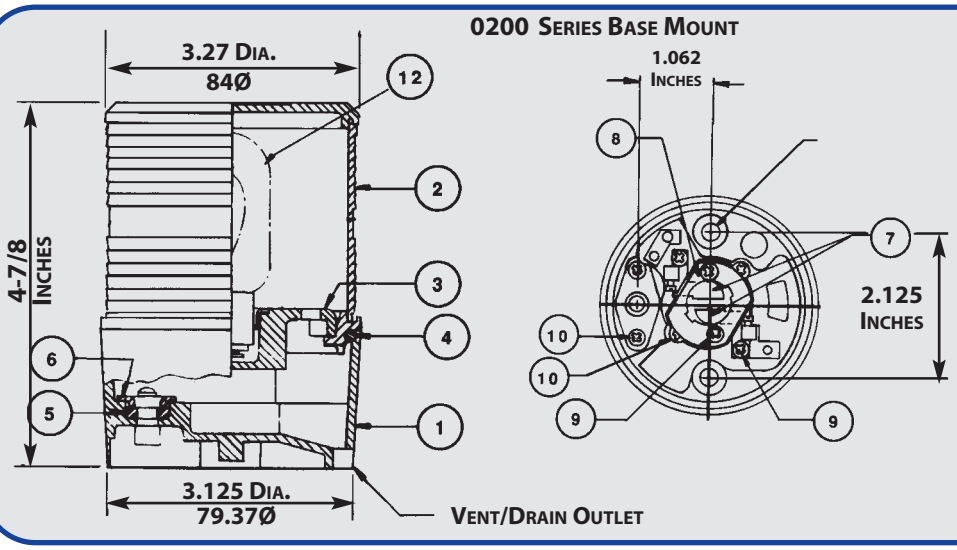
BASE MOUNT MASTHEAD LIGHT

BASE MOUNT ALL-ROUND LIGHTS

0200 SERIES ONLY BASE MOUNT TRI-COLOR LIGHT

Note: Fig. 0210 L.E.D. lights have no user serviceable parts

0200 SERIES BASE MOUNT



SPARE PARTS ORDERING INFORMATION

1) Base Molding
2) Lens Assembly
3) Bulb Holder
4) O-Ring
5) Gland
6) Clamp
7) Contact Assembly Bulb
8) Bulb Support Plate
9) Screws - #4 x 1/4" P.H.
10) Screws - #6 x 1/2" P.H.
12) Spare Bulbs

For Masthead, Bi-Color, Tri-Color, All-Round & Side Lights
- 12 Volt: 037512V25W
- 24 Volt: 037524V25W
- 32 Volt: 037532V25W

For White All-Round, Towing & Stern Lights
- 12 Volt: 037512V10W
- 24 Volt: 037524V10W
- 32 Volt: 037532V10W

Spare Lens Assembly Part Numbers are Determined by Replacing the Last Three Digits of the Catalog Number with the Letters "LNS" (e.g., 0200BB0LNS, for a Bi-Color Base Mount Lens Assembly).
Spare Replacement Bulb Socket: 0093

See Page C•35 for Bulb Information.

EUROPEAN STYLE NAVIGATION LIGHT SETS

Fig. 0170 Traditional Series European Style Vertical Mount Navigation Lights

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

Tech Info

12 or 24 Volt Bulb Included
Height Overall: 3-5/8"
Width Overall: 4-1/8"
Proj. Overall: 2-1/2"
Screw Size: #10

Side View

Top View

0170 Series L.E.D. Shown (See page C•13)

CONSTRUCTION:

- Chrome Plated Brass Top, Black Polymer Base
- All Black Polymer
- All White Polymer
- 12 or 24 Volt Bulb Included

PROP 65 WARNING (Contains Lead)

Side Lights | Masthead | Stern | Towing | Bi-Color*

Tradidtional 0170 Series - Ordering Information

	Visibility Arc	Visibility Miles	12 Volt Dealer Pkg. 5 Cards 1 Pc. per Card	12 Volt Std. Pkg. 1 Pc.	24 Volt Dealer Pkg. 5 Cards 1 Pc. per Card	24 Volt Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. DP/Std Pkg.
Black Polymer							
Bi-Color Light*	225°	2	0170BB0DP1	----------	0170BB0DP2	----------	2.3/0.5
Red Side Light	112-1/2°	2	0170BP0DP1	0170BP012V	0170BP0DP2	0170BP024V	2.3/0.5
Green Side Light	112-1/2°	2	0170BSDDP1	0170BSD12V	0170BSDDP2	0170BSD24V	2.3/0.5
White Masthead Light	225°	3	0170BM0DP1	0170BM012V	0170BM0DP2	0170BM024V	2.3/0.5
White Stern Light	135°	2	0170BSNDP1	0170BSN12V	0170BSNDP2	0170BSN24V	2.3/0.5
Yellow Towing Light	135°	2	0170BTWDP1	0170BTW12V	0170BTWDP2	0170BTW24V	2.3/0.5
Chrome Plated Brass							
Bi-Color Light*	225°	2	0170MB0DP1	----------	0170MB0DP2	----------	2.4/0.5
Red Side Light	112-1/2°	2	0170MP0DP1	0170MP012V	0170MP0DP2	0170MP024V	2.4/0.5
Green Side Light	112-1/2°	2	0170MSDDP1	0170MSD12V	0170MSDDP2	0170MSD24V	2.4/0.5
White Masthead Light	225°	3	0170MM0DP1	0170MM012V	0170MM0DP2	0170MM024V	2.4/0.5
White Stern Light	135°	2	0170MSNDP1	0170MSN12V	0170MSNDP2	0170MSN24V	2.4/0.5
Yellow Towing Light	135°	2	0170MTWDP1	0170MTW12V	0170MTWDP2	0170MTW24V	2.4/0.5
White Polymer							
Bi-Color Light*	225°	2	0170WB0DP1	----------	0170WB0DP2	----------	2.3/0.5
Red Side Light	112-1/2°	2	0170WP0DP1	0170WP012V	0170WP0DP2	0170WP024V	2.3/0.5
Green Side Light	112-1/2°	2	0170WSDDP1	0170WSD12V	0170WSDDP2	0170WSD24V	2.3/0.5
White Masthead Light	225°	3	0170WM0DP1	0170WM012V	0170WM0DP2	0170WM024V	2.3/0.5
White Stern Light	135°	2	0170WSNDP1	0170WSN12V	0170WSNDP2	0170WSN24V	2.3/0.5
Yellow Towing Light	135°	2	0170WTWDP1	0170WTW12V	0170WTWDP2	0170WTW24V	2.3/0.5

* For Replacement use only

See Page C•31 & 35 for Bulb Information.

Fig. 0455 Fixed Mount White All-Round Light

Certified For Use on Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

Gold Plated Contacts

Fig. 0455 #1

CONSTRUCTION:

- Clear Fresnel Globe
- Black or White Polymer

Ordering Info

Vertical Height Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
4-1/2	0455DP1CHR	0455001CHR	2.4/16.1
4-1/2	----------	0455001WHT	-----/16.1
11-7/8	0455DP2CHR	0455002CHR	3.0/18.2
11-7/8	----------	0455002WHT	-----/18.2

Tech Info

- Bulb: 12 Volt (Included)
- O.D. Base: 2-1/8"
- Screw Size: #8
- Size #2 Pole: 3/4" Dia. Anodized

SPARE PARTS ORDERING INFORMATION

Bulbs (2 per card): 0337011DP. Globe: 0248DP0CLR.

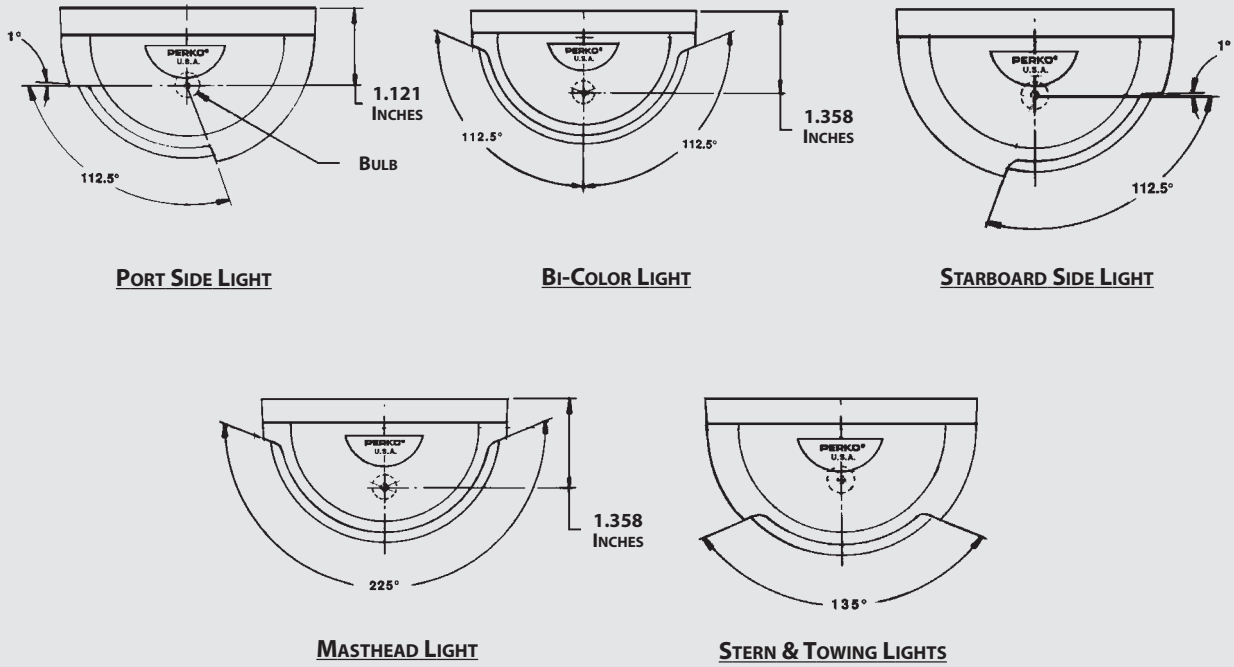
EUROPEAN STYLE NAVIGATION LIGHT SETS - TECHNICAL INFORMATION

Fig. 0170 Series European Style Vertical Mount Navigation Lights

Certified For Use on Sail or Power Driven Vessels Under 20 Meters (65.6 ft.) in Length

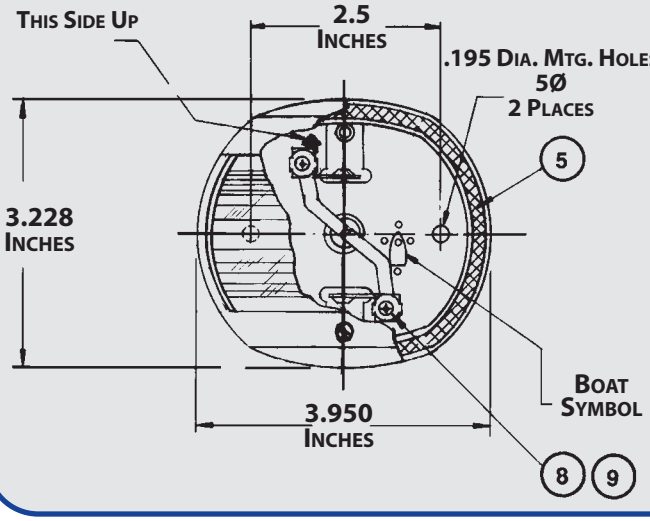
SEE PAGE C•13 FOR L.E.D. EUROPEAN STYLE LIGHTS

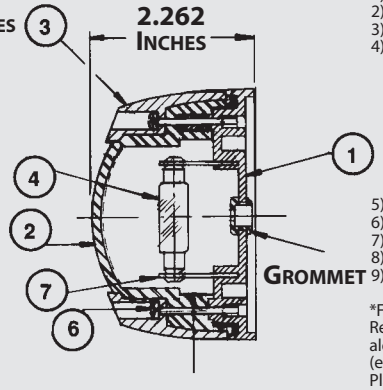
Fig. No. 0170 Series Navigation Light Technical Information (See Lights on Page C•30)



Note: L.E.D. lights have no user serviceable parts

Fig. No. 0170 Series Incandescent Navigation Light Technical Information (See Lights on Page C•30)





SPARE PARTS ORDERING INFORMATION

1) Base Assembly
2) Lens Assembly
3) Cover
4) Spare Bulbs
   For 0170 BSN, MSN & WSN (12 Volt), Cat. No. 0069DP0CLR. (2 Per Card)
   For 0170 BSN, MSN & WSN (24 Volt), Cat. No. 0067DP1CLR. (2 Per Card)
   For All others, 12 Volt 0170's Cat. No. 0070DP1CLR. (2 Per Card)
   For All others. 24 Volt 0170's Cat. No. 0067DP2CLR. (2 Per Card)
5) Gasket
6) Captive Screw
7) Bulb Terminal
8) Pan Head Screw
9) Washer

*For Spare Lens and Shield Assembly, Replace the Last Three Digits of the Catalog Number with the Letters "LNS" (e.g., 0170MM0LNS, for a Chrome Plated Shield and Masthead Lens).

Note: L.E.D. lights have no user serviceable parts

See Page C•35 for Bulb Information.

Fig. 0555 - Surface Mount Dome Light For Systems Up To 50 Volts

LED CE
Version

Fig. 0555

CONSTRUCTION:
- Chrome Plated Bronze with Clear Polymer Lens
- Toggle Switch
- **L.E.D. Option:**

- 12V AC/DC L.E.D. (For other voltages contact factory)
- **Incandescent Bulb Option:**

- Twin Double Contact Bayonet Sockets
- Bulbs Not Included
- Will Accommodate Two Bulbs up to 20 Watts Each

Ordering & Tech Info

Material	O.D. Lens Inches	O.D. Base Inches	Depth Inches	Incandescent Std. Pkg. 1 Pc.	L.E.D. Std. Pkg. 1 Pc.	Screw Size	Ship Wt. Carton Lbs. Std. Pkg.
Chr. Bronze	6	7-7/8	3-1/8	0555000CHR	0555L00CHR	8	4.5
Marinium	6	7-7/8	3-1/8	0555000MAR	0555L00MAR	8	4.5

AVAILABLE IN MARINIUM Aluminum-Alloy
For Complete Ordering Info: See Pgs R•183-184

PROP 65 WARNING (Contains Lead)

SPARE PARTS ORDERING INFORMATION
Switch: 0514DP. Lens: 0257DP6. Socket: 0276000.
Incandescent: Use Fig. 0337 Bulb, refer to Page C•35 for Bulb Selection.

Fig. 0753 - Surface Mount Dome Light For Systems Up To 50 Volts

LED CE
Version

Fig. 0753

CONSTRUCTION:
- Chrome Plated Wrought Brass with Frosted Glass Lens
- Toggle Switch
- **L.E.D. Option:**

- 12V AC/DC L.E.D. (For other voltages contact factory)
- **Incandescent Bulb Option:**

- Medium Screw Socket
- Bulbs Not Included

- Size No. 1 Has One Socket and Switch. Will Accommodate One Bulb Up To 50 Watts
- Size No. 2 Has Two Sockets and Switches. Will Accommodate Two Bulbs Up To 25 Watts Each

Ordering & Tech Info

O.D. Glass Inches	O.D. Base Inches	Depth Inches	Incandescent Std. Pkg. 1 Pc.	L.E.D. Std. Pkg. 1 Pc.	Screw Size	Ship Wt. Carton Lbs. Standard Pkg.
8	9-1/2	4	0753001CHR	0753L01CHR	10 R.H.	2.9
8	9-1/2	4	0753002CHR	----------	10 R.H.	3.1

PROP 65 WARNING (Contains Lead)

SPARE PARTS ORDERING INFORMATION
Switch, Cat. No. 0514DP. Socket: 1323.
Flat Lens For Newer 0753 Style (4" Depth): 0132FLTFRD.
Curved Lens For Older 0753 Style (3" Depth): 0132CVDFRD.
Incandescent: Use Fig. 0337 Bulb, refer to Page C•35 for Bulb Selection.

Fig. 1263 - Exterior Surface Mount Dome Light with Red & White Bulbs

PROP 65 WARNING (Contains DINP)

Fig. 1263

CONSTRUCTION:
- Ivory PERKO•KOTE Zinc Alloy
- 12 Volt Bulb(s) Included
- Three Position Toggle Switch

Ordering & Tech Info

O.D. Lens Inches	O.D. Base Inches	Depth Overall Inches	Wattage of Bulb Supplied	Maximum Wattage	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 10 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
4	5	1-7/8	11	18	1263DP1WHT	1263001WHT	10 R.H.	5.0/9.0

CE

SPARE PARTS ORDERING INFORMATION
Clear Bulbs (2 per card): 0337012DP, Red Bulbs (2 per card): 0337R12DP, Socket: 0024DP1. Three Position Toggle Switch: 1263DP099A, Lens: 0257DP4.

Fig. 1355 - L.E.D. Dome Light (No Switch)
Fig. 1356 - L.E.D. Dome Light with On/Off Switch (12 or 24 Volt)
Fig. 1357 - L.E.D. Dome Light with Trim Ring (No Switch)
Fig. 1358 - L.E.D. Dome Light with Dimmer Switch

LED CE
Dimmer Capable

CONSTRUCTION:

- Surface Mount
- Chrome Plated Zinc Alloy or White PERKO•KOTE
- Clear Polymer Lens
- 12 or 24 Volt L.E.D.s Draw Less than 10 Watts
- Screw Size No. 8 R.H.
- Depth Overall 1″

PROP 65 WARNING (Contains Lead)

Fig. 1355
Without Switch
(White Shown)

Fig. 1356
With On/Off Switch
(Chrome Shown)

Fig. 1357
With Trim Ring
(White Shown)

Fig. 1358
With Dimmer Switch
(Chrome Shown)

Ordering & Tech Info

Finish	Options	Voltage	L.E.D.s & Wattage	Dimensions O.D. Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Chrome	No Switch	12	3-3 Watt	3-5/8	1355DP0CHR	1355000CHR	4.1/8.1
White	No Switch	12	3-3 Watt	3-5/8	1355DP0WHT	1355000WHT	4.1/8.1
Chrome	On/Off Switch	12	3-3 Watt	3-5/8	1356DP0CHR	1356000CHR	4.2/8.2
Chrome	On/Off Switch	24	3-1 Watt	3-5/8	1356DP2CHR	1356002CHR	4.2/8.2
White	On/Off Switch	12	3-3 Watt	3-5/8	1356DP0WHT	1356000WHT	4.2/8.2
White	On/Off Switch	24	3-1 Watt	3-5/8	1356DP2WHT	1356002WHT	4.2/8.2
Chrome	Trim Ring, No Switch	12	3-3 Watt	4-1/2*	1357DP0CHR	1357000CHR	5.0/9.8
White	Trim Ring, No Switch	12	3-3 Watt	4-1/2*	1357DP0WHT	1357000WHT	5.0/9.8
Chrome	Dimmer Switch Built In	12	3-1 Watt	3-5/8	1358DP0CHR	1358000CHR	4.2/8.3
White	Dimmer Switch Built In	12	3-1 Watt	3-5/8	1358DP0WHT	1358000WHT	4.2/8.3

* Including Trim Ring Note: Figs 1355 to 1357 are dimmer capable with wall switch (Not Included)

Fig. 0318 - Dual Voltage Surface Mount Light

CONSTRUCTION:

- White Translucent Polymer Cover
- White PERKO•KOTE Cast Zinc Alloy Base with Integral Junction Box
- Dual Voltage, For 12 and 120 Volts or 24 and 120 Volts
- Double Contact Bayonet Sockets
- Complete With Two 12 Volt, 11 Watt and Two 120 Volt, 15 Watt Bulbs or Two 24 Volt, 15 Watt and Two 120 Volt, 15 Watt Bulbs

Fig. 0318

Ordering Info

Voltage	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
12/120	0318DP	0318A00	9.5/16
24/120	0318DP2	-------	9.5

Tech Info

12 & 120 Volt or 24 & 120 Volt
Length x Width: 9-3/4″ x3-1/2
Depth: 1-7/8″
Screw Size: #10

SPARE PARTS ORDERING INFORMATION

12 Volt Bulbs (2 per card): 0337012DP. 24 Volt Bulbs (2 per card): 0337014DP.
120 Volt Bulbs (2 per card): 0337023DP. Socket: 0024DP1. Globe: 0318A0099D.
Switches with Square Buttons (1 Each High and Low): 0318A0099E.

CE

LIGHTING FIXTURES & REPLACEMENT PARTS

Fig. 0300

Fig. 1253

Fig. 1258

Fig. 1260

Fig. 0300 - Surface Mount Dome Light
Fig. 1253 - Exterior Surface Mount Dome Light
Fig. 1258 - Round Surface Mount Dome Light
Fig. 1260 - Square Surface Mount Dome Light

CONSTRUCTION:

Figs. 0300, 1258 & 1260 - Chrome Plated Zinc Alloy

Fig. 1253 - Ivory PERKO•KOTE Zinc Alloy

Figs. 0300 & 1253: Clear Polymer Lens

Figs. 1258 & 1260: White Translucent Polymer Lens

- Double Contact Bayonet Socket
- Black Vinyl Mounting Gasket
- Push Switch with Water Resistant Boot
- 12 Volt Bulb Included

PROP 65 WARNING
(Contains DINP)

CE

Ordering & Tech Info

	Dimensions Inches	Depth Overall Inches	Wattage of Bulb Supplied	Maximum Wattage	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 10 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
Round	3-3/4	1-1/2	7	11	0300DP0CHR	0300000CHR*	10 R.H.	3.2/10.6
Round	5	1-7/8	11	17	0300DP1CHR	0300001CHR	10 R.H.	4.9/8.7
Round	6	2	17	17	0300DP2CHR	0300002CHR	12 R.H.	6.9/11.8
Round	5	1-7/8	11	17	1253DP1WHT	1253001WHT	10 R.H.	4.8/8.5
Round	6	2	17	17	1253DP2WHT	1253002WHT	12 R.H.	6.7/12.0
Round	3-3/4	1-1/4	10	10	1258DP2CHR	1258002CHR	8 R.H.	2.7/5.0
Square	3-5/8 x 4-1/4	1-1/4	10	10	1260DP2CHR	1260002CHR	8 R.H.	3.3/6.6

*OEM Bulk Pkg., 20 Pcs.

SPARE PARTS ORDERING INFORMATION FOR FIGS. 0300 & 1253

Bulbs (2 per card) for Size #0: 0337011DP. Switch: 0701DP.
Bulbs (2 per card) for Size #1: 0337012DP Socket: 0024DP1.
Bulbs (2 per card) for Size #2: 0337013DP. Lens: 0257DP, Specify Size.

NOTE: To Use Fig. 1253 in a 24 Volt System, Order Replacement Bulb (1 per card): 0337014DP.

SPARE PARTS ORDERING INFORMATION FOR FIGS. 1258 & 1260

Figs. 1258 & 1260 Bulbs (2 per card): 0070DP0CLR. Switch: 0701DP.
Lens for 1258: 0244002WHT. Lens for 1260: 0245002WHT.

NOTE: To Use Figs 1258 & 1260 in a 24 Volt System, Order Replacement Bulbs (2 per card): 0067DP1CLR.

Replacement Parts

Figs. 0052 & 0276 - Double Contact Bayonet Sockets

Brass, with Wire Leads - Fig. 0276 Tapped for 1/8 Inch Pipe

Fig. 0024 - Double Contact Bayonet Socket

Black Polymer Body

Fig. 1109 - Single Contact Miniature Bayonet Socket - Brass Body

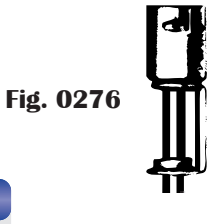


Fig. 0276

Fig. 0052

Fig. 0024

Fig. 1109

PROP 65 WARNING
(Contains Lead)

Ordering Info

Length Socket Inches	Pigtail Inches	Wire Length Inches	O.D. Inches	Standard Pkg. - 5 Pcs.	Dealer Pkg. 10 Cards 1 Pc. per Card	Ship Wt. Carton Lbs. Std. Pkg./DP
1	-------	6	-------	-------	0052DP	--/0.8
1-1/2	-------	6	-------	0276000	-------	0.2/--
2	-------	6	-------	0276002	-------	0.2/--
-------	10	-------	3/4	-------	0024DP1	--/0.7
-------	60	-------	3/4	-------	0024DP2	--/1.4
5/8	6	-------	3/8		1109DP	--/0.6

MADE IN THE USA

BULBS FOR NAVIGATION LIGHTS

For Navigation Lights on Vessels Under 20 Meters (65.6 ft.) in Length

Fig. 0337 - Double Contact Bayonet Base Bulb

Ordering & Tech Info

Nominal Voltage	Wattage	Amps	Dealer Pkg. 5 cards	Bulbs per Card	Bulb Diameter Inches	Mfr. Lamp No.	Ship Wt. Carton Lbs. Dealer Pkg.
12	7	.58	0337011DP	2	3/4	90	0.4
12	11	.94	0337012DP	2	3/4	1004	0.5
24	15	.63	0337014DP	1	1	306	0.5
32	13	.40	0337018DP	1	3/4	624	0.4

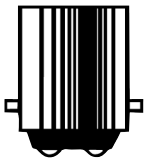


Fig. 0337

Fig. 0375 - Double Contact Bayonet Indexing Base Bulb

Ordering & Tech Info

Nominal Voltage	Wattage	Amps	Std. Pkg.- 1 Bulb	Ship Wt. Carton Lbs. Standard Pkg.
12	10	.83	037512V10W	0.1
12	25	2.08	037512V25W	0.1
24	10	.42	037524V10W	0.1
24	25	1.04	037524V25W	0.1
32	10	.31	037532V10W	0.1
32	25	.78	037532V25W	0.1

Fig. 0375

Fig. 0340 - Medium Screw Base Bulb

Ordering & Tech Info

Nominal Voltage	Wattage	Amps	Std. Pkg. 6 Bulbs	Type	L.C.L. Inches	Mfr. Lamp No.	Ship Wt. Carton Lbs. Standard Pkg.
12	15	1.25	0340005FRD	A-17	2-3/8	15-A	0.5
12	25	2.08	0340006FRD	A-19	2-9/16	25-A	0.7
32	15	.47	0340011FRD	A-17	2-3/8	15-A	0.5
32	25	.78	0340012FRD*	A-19	2-9/16	25-A	0.4

* Std. Pkg. 2

Fig. 0340

Fig. 0338 - Wedge Base Bulb

Ordering & Tech Info

Nominal Voltage	Wattage	Amps	Dealer Pkg. - 5 Cards 2 Bulbs per Card	Bulb Dia. Inches	Bulb Length Inches	Ship Wt. Carton Lbs. Dealer Pkg.
12	5	.35	0338DP1CLR	13/32	1-1/16	0.2
12	9	.69	0338DP2CLR	5/8	1-1/2	0.2

Fig. 0338 #2

Fig. 0338 #1

Figs. 0067, 0069, 0070, 0071 & 0072
Festoon Bulbs - Double Ended

Ordering & Tech Info

Nominal Voltage	Wattage	Amps	Dealer Pkg. - 5 Cards 2 Bulbs per Card	Bulb Dia. Inches	Bulb Length Inches	Ship Wt. Carton Lbs. Dealer Pkg.
12	8	.70	0071DP8CLR	3/8	1-1/8	0.2
12	10	.83	0069DP0CLR	3/8	1-5/8	0.2
12	10	.74	0070DP0CLR	3/8	1-11/16	0.2
12	15	.97	0070DP1CLR	9/16	1-11/16	0.3
12	10	.80	0071DP0CLR	3/8	1-1/8	0.2
24	8	.35	0072DP8CLR	3/8	1-1/8	0.2
24	10	.42	0067DP1CLR	3/8	1-11/16	0.2
24	18	.75	0067DP2CLR	9/16	1-11/16	0.2
24	10	.40	0072DP1CLR	3/8	1-1/8	0.2
32	12	.40	0070DP2CLR	3/8	1-5/8	0.2

Fig. 0067
Fig. 0069
Fig. 0070
Fig. 0071
Fig. 0072

PROP 65 WARNING
(Contains Lead)

Note: Bulbs MUST BE ORDERED in Standard or Dealer Package Quantities Only!

Bulbs for Navigation Lights Over 20m See Page C•36.

BULBS & SPARE PARTS FOR NAVIGATION LIGHTS

Dual Medium Prefocus Socket Assembly

PROP 65 WARNING (Contains Lead)

Phenolic - 250 Volts - 1000 Watts
Plug In Type - Prewired with two medium prefocus sockets. For use in double lens lights.

Std. Pkg. 1 Pc.	Ht Overall Inches	Width Overall Inches	Weight Ounces
0303	3-7/8	3-7/8	11

Male Plug Only Cat. No. 0303A00. Female Socket Only Cat. No. 0303B00.

Medium Prefocus Sockets

PROP 65 WARNING (Contains Lead)

Phenolic - 250 Volts - 1000 Watts

5 Pcs.	Height Overall Inches	Diameter Overall Inches	Std. Pkg.	Weight Per Pkg. Ounces
0367	1-7/8	1-1/2	1	12.5
0347A00*	1-7/8	1-1/2	5	22.7

* Cat. No. 0347A00 (pictured) supplied with metal mounting cap tapped for 3/8 Inch I.P.S.

Single Contact Prefocus Socket Assembly

with Stand, Bottom Plate and Gasket

PROP 65 WARNING (Contains Lead)

Std. Pkg. 1 Pc.	Ht Overall Inches	Dia. Overall Inches	Weight Ounces
0294003PLB	3	3-3/4	6

Double Contact Socket

PROP 65 WARNING (Contains Lead)

Std. Pkg. 1 Pc.	Height Overall Inches	Diameter Overall Inches	Weight Ounces
0134	7/8	1-3/4	1-1/4

112-1/2° Lenses

Color	Ht. Inches	Width Inches	Std. Pkg. 1 Pc.	Weight Ounces
Red	4-1/4	3-1/16	0259CL2RED	5
Green	4-1/4	3-1/16	0259CL2GRN	5
Red	5-1/16	3-11/16	0259CL3RED	10
Green	5-1/16	3-11/16	0259CL3GRN	10

Color	Ht. Overall Inches	Dia. Opening Inches	Std. Pkg. 1 Pc.	Weight Ounces
Red	6-3/4	6-1/8	0259001RED	16
Green	6-3/4	6-1/8	0259001GRN	16
Red	7-1/2	9-1/4	0259002RED	30
Green	7-1/2	9-1/4	0259002GRN	30

135° Lenses

Color	Height Inches	I.D. Inches	Std. Pkg. 1 Pc.	Weight Lbs.
White	4-1/4	3-1/2	0269CL2WHT	0.4
White	5-1/8	3-5/8	0269CL3WHT	0.6
Yellow	4-1/4	3-1/2	0269CL2YLW	0.4
Yellow	5-1/8	3-5/8	0269CL3YLW	0.6

Color	Height Overall Inches	Dia. Opening Inches	Std. Pkg. 1 Pc.	Weight Lbs.
White	6-3/4	5-1/8	0269001WHT	1.1
Red	6-3/4	5-1/8	0269001RED	1.1
Yellow	6-3/4	5-1/8	0269001YLW	1.1
White	7-1/2	7-1/4	0269002WHT	1.6
Red	7-1/2	7-1/4	0269002RED	1.6

360° Lenses

Color	Height Overall Inches	Diameter Opening Inches	Clear Std. Pkg. 1 Pc.	Frosted Std. Pkg. 1 Pc.
White	6-3/4	5-1/8	0261001CLR	0261001FRD
Red	6-3/4	5-1/8	0261001RED	0261RF1FRD
Green	6-3/4	5-1/8	0261001GRN	0261GF1FRD
Yellow	6-3/4	5-1/8	0261001YLW	0261MF1FRD
Gray	6-3/4	5-1/8	0261001GRY	----------
White	7-1/2	7-3/8	0261002CLR	0261002FRD
Red	7-1/2	7-3/8	0261002RED	0261RF2FRD
Green	7-1/2	7-3/8	0261002GRN	0261GF2FRD

Weight Size 1, 2.2 Lbs. - Weight Size 2, 3.2 Lbs.

225° Lenses

Color	Ht. Inches	I.D. Inches	Std. Pkg. 1 Pc.	Weight Lbs.
White	4-1/4	3-3/8	0256CL2WHT	0.5
White	5-1/8	3-1/4	0256CL3WHT	0.8

	Ht. Overall Inches	Dia. Opening Inches	Std. Pkg. 1 Pc.	Weight Lbs.
White	6-3/4	4-1/2	0256001WHT	1.4
Yellow	6-3/4	4-1/2	0256001YLW	1.4
White	7-1/2	6-5/8	0256002WHT	2.3

360° Lenses

Color	Height Inches	I.D. Inches	O.D. Inches	Std. Pkg. 1 Pc.
Red	5	2-7/8	3-1/4	0106000RED
Green	5	2-7/8	3-1/4	0106000GRN
White	5	2-/78	3-1/4	0106000WHT
Yellow	5	2-7/8	3-1/4	0106000YLW
Gray	5	2-7/8	3-1/4	0106000GRY

Weight 12 oz.

360° Lenses With Top Assembly

	Ht. Overall Inches	Dia. Opening Inches	Std. Pkg. 1 Pc.
White	5-3/4	5-1/2	0249000CLR
Red	5-3/4	5-1/2	0249000RED
Green	5-3/4	5-1/2	0249000GRN
Yellow	5-3/4	5-1/2	0249000YLW
Gray	5-3/4	5-1/2	0249000GRY

Weight 1.6 Lbs.

Single Contact Prefocus Bulbs

C-8 Filament Clear - 12 Volts

Std. Pkg. 1 Pc.	Amperage	Mfg. No.
0373001CLR	.25	25A/S8
0373002CLR	.55	55A/S8
0373003CLR	.77	77A/S8
0373004CLR	1.15	1.15A/S8
0373005CLR	2.03	2.03A/S8SCP

Weight 1 oz.

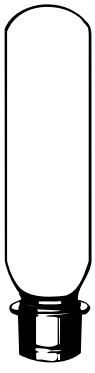
Double Contact Bayonet Bulbs

Clear Type T-8, C-8, Filament - 1-3/8 Inch L.C.L.

Std. Pkg. 1 Pc.	Voltage	Wattage	Candella
0374001CLR	12	30	24
0374002CLR	24	30	24
0374003CLR	32	30	24
0374004CLR	120	30	24

Weight 1 oz.

Clear Medium Prefocus Bulbs



Cat. No.	Volts	Wattage
0342000CLR	120	7.5
0342001CLR*	120	15
0342002CLR*	120	25
0342003CLR*	120	40
0342024CLR	24	55
0342004CLR*	120	60
0342RS4CLR**	120	60
0342220CLR	220	65

Standard Pkg. - 1 pc. - *OEM - 25 pcs available.
Weight 1 Pc.: 0.1 lbs. - Weight 25 pk: 3.5 lbs
**Designed for rough service.

Note: Bulbs MUST BE ORDERED in Standard or Dealer Package Quantities Only!

Bulbs for Navigation Lights Under 20 Meters (65.6 ft.) See Page C•35 and the Recreational Cat. 315-R, Page R•67

15 Inch Housing - Fig. 9304 (500 Watt), 110 or 220 VAC Power Supply
19 Inch Housing - Fig. 9854 (1600 Watt), 220 or 440 VAC Power Supply

XR Series Xenon Searchlights are designed and manufactured to meet the demanding needs of commercial marine applications. The short arc Xenon filled lamps produce an extremely bright and very white light which can be focused in the pilothouse into a narrow long range beam. The heavy duty head of the 1,600 watt light is a marine grade aluminum casting with integral cooling fins to assure cool operation at high output levels. The cast marine aluminum yoke & base are equally rugged. High quality Timkin bearings provide for smooth 380° rotation.

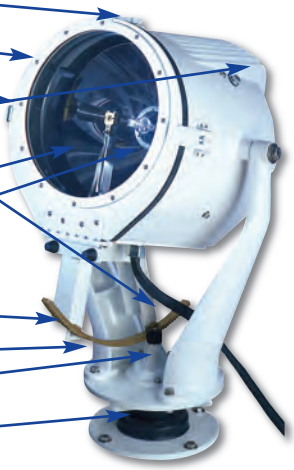
The XR Series model 9854 is available manually controlled with a traditional lever gear control system or remotely controlled with a distant electric control system. In addition, an optional heating capability is available to assure trouble free operation in areas of the world prone to icing conditions. The XR Series model 9854 searchlight can be operated continuously at 1,600 watts for maximum brightness providing in excess of 100,000,000 candlepower and up to 5.5 mile (IES Handbook) range.

The XR Series model 9304 searchlight can be operated continuously at 500 watts for a maximum brightness of 35,000,000 candlepower and over 3 mile (IES Handbook) range. An iridium coated precision reflector provides for maximum light output and sharp focus. The remote control panel controls lamp ignition (start-up) and focus from the pilot house. Superior cooling is provided by a heavy duty cooling fan which blows air across the lamp inside the sealed housing.

Both XR Series Searchlights include a single Xenon lamp. Perko offers a choice of several replacement lamps (1,000 and 1,600 watt) which will operate for the 9854 series searchlight when the proper amperage settings have been chosen. For the 9304 series, a 500 watt Xenon lamp is the only available option.

Fig. 9304 - 500 Watt

Fig. 9854 - 1600 Watt



Heavy Duty Marine Latches
Sealed Waterproof Construction
Cast Marine Aluminum Housing
Integrally Cast Cooling Fins
Heavy Rolled Marine Aluminum Housing
Safety Interlock Switch
Iridium Coated Reflector
Heavy Duty Rack & Pinion Assembly
Cast Marine Aluminum Yoke & Base
Optional Heater System
Quality Ball Bearings

110 or 220 Volt Power Supply
220 or 440 Volt Power Supply
Remote Control Panel
Precision Machined Manual Control
Optional Distant Electric Control with variable speed function

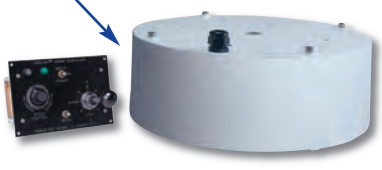
Figs. 9304 & 9854 Control Types

Lever Gear

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

Remote Electric

Joystick type controller with variable speed function for both horizontal & vertical positioning



XR SERIES 15" XENON SEARCHLIGHT

MADE IN THE USA

Complete 9304 XR Series Searchlights (500 Watt)

Ordering Info With Distant Electric Control Base

Lamp Type & Lamp Size	Voltage	Catalog No. Without Heaters	Catalog No. With Heaters
500 Watt Xenon	120 VAC	9304E01WH5	9304EH1WH5
500 Watt Xenon	220 VAC	9304E02WH5*	9304EH2WH5*

Ordering Info With Lever/Gear Controls

Lamp Type & Lamp Size	Voltage	Catalog No. Without Heaters	Catalog No. With Heaters
500 Watt Xenon	120 VAC	9304L01WH5	9304LH1WH5
500 Watt Xenon	220 VAC	9304L02WH5*	9304LH2WH5*

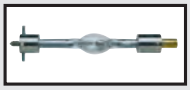
Tech Info

Nominal Drum Diameter Inches	Nominal Searchlight Assembly Weight Pounds	IP Rating
13-3/4	71	65

Gross Shipping Weight Including Crate	Pounds
Searchlight	185
Power Supply	95
Control Rod & Tube	11.5

Base Diameter, 12 Inches.

Xenon Lamp



NOTE: Lamps are included with complete Searchlights.

* 500 Watt 220 VAC Power Supply Ships 60hz unless 50hz is requested.

Fig. 9511
500 Watt Power Supply

Head, Yoke and Base Assembly

9510010
Control Panel

Lever/Gear Control

Remote Distant Electric Control Base

9551001
Remote Control Panel
(See Page C•40)

XR Series 19" Xenon Searchlight

Complete 9854 XR Series Searchlights (1000 & 1600 Watt)

Ordering Info With Distant Electric Control Base

Lamp Type & Lamp Size	Voltage	Catalog No. Without Heaters	Catalog No. With Heaters
1000 Watt Xenon	220 VAC	9854E02WH0	9854EH2WH0
1600 Watt Xenon	220 VAC	9854E02WH6	9854EH2WH6
1000 Watt Xenon	440 VAC	9854E04WH0	9854EH4WH0
1600 Watt Xenon	440 VAC	9854E04WH6	9854EH4WH6

Ordering Info With Lever/Gear Controls

Lamp Type & Lamp Size	Voltage	Catalog No. Without Heaters	Catalog No. With Heaters
1000 Watt Xenon	220 VAC	9854L02WH0	9854LH2WH0
1600 Watt Xenon	220 VAC	9854L02WH6	9854LH2WH6
1000 Watt Xenon	440 VAC	9854L04WH0	9854LH4WH0
1600 Watt Xenon	440 VAC	9854L04WH6	9854LH4WH6

Tech Info

Nominal Drum Diameter Inches	Nominal Searchlight Assembly Weight Pounds	IP Rating
19	145	65

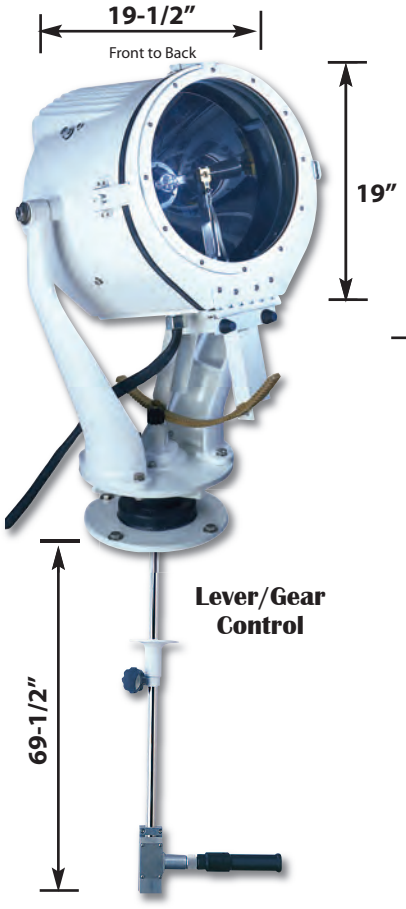
Gross Shipping Weight Including Crate	Pounds
Searchlight	310
Power Supply	250
Control Rod & Tube	11.5

Base Diameter, 12 Inches.

Xenon Lamp

Lamps are included with complete searchlights.

FIG. 9854 (1600 WATT) WITH 220 OR 440 (3Ø) VAC POWER SUPPLY



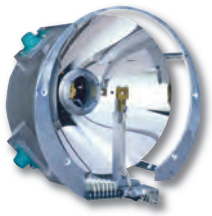


Fig. 9521000 Optical Assy.

Head Assembly with Remote Distant Electric Control Base

9551001 Remote Control Panel

Head, Yoke and Base Assembly

Figs. 9510/9512/9514 Power Supply
(See Page C•40)

9510010 Control Panel

XR Series Xenon Searchlights Bulbs & Spare Components

MAJOR COMPONENT ORDERING INFORMATION

Fig. 9521000
Optical Assy Only

Fig. 9501000
19" Head Assy

Fig. 9504000
15" Head Assy

Fig. 9506000
19" Yoke Assy

Fig. 9508000
15" Yoke Assy

Searchlight Head and Optical Components

Catalog Number	Description
9504000	Complete 15" Searchlight Head with Optical Assembly.
9508000	15" Searchlight Yoke & Base Assembly Only.
9501000	Complete 19" Searchlight Head with Optical Assembly.
9506000	19" Searchlight Yoke & Base Assembly Only.
9521000	Removable 1,600 Watt Optical Assembly.

A unique design feature of the 1600 Watt XR Series Searchlight is the ease with which the optical assembly can be changed. By removing a few bolts and easily accessible wires, the entire assembly comes out the front of the searchlight as one complete unit. Even older lights can be upgraded to current technology with just a simple swap out of optical assemblies and power supplies.

Figs. 9512000
&
9514000
1600 Watt Power Supplies

Fig. 9511
500 Watt
Power Supply

Power Supply Components

Catalog Number	Description
9511000110	500 Watt-110 Volt Power Supply
9511000220	500 Watt-220 Volt Power Supply
9510000220	1,000 Watt-220 Volt (3Ø) Power Supply
9510000440	1,000 Watt-440 Volt (3Ø) Power Supply
9512000	1,600 Watt-220 Volt (3Ø) Power Supply
9514000	1,600 Watt-440 Volt (3Ø) Power Supply

XR Series power supplies are made using high quality, durable components. Power supply units can be easily exchanged for factory rebuilt units offering a low cost means of repairing or upgrading older units in the field. All power supplies include a remote panel for controlling lamp ignition and focus.

Fig. 9530000
Lever Control Handle

Fig. 9551000
Distant Electric Control Base

Control Components

Catalog Number	Description
9530000	Standard Length Lever Gear Mechanical Controls for Fig. 9854.
9551000	Remote Distant Electric Controls for Fig. 9854.
9551001	Additional Slave Controller for Distant Electric Control.

XR Series lights can be controlled using conventional mechanical lever gear controls or upgraded to remote distant electric control systems.The standard length for lever gear systems is 72 inches. Custom lengths are available. In either case searchlight movement is 380°horizontal and 70° vertical.

ADDITIONAL COMPONENT ORDERING INFORMATION

Transformers

Fig. 9510001
Accessory Transformer for 1600W Power Supply

Fig. 9510013
Main Power Transformer for 1600W Power Supply

Fig. 9521009
Excitation Transformer

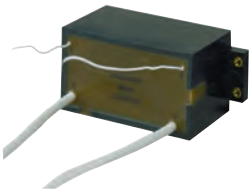


Fig. 9521017
Injection Transformer

Meters, Gauges & Control Panels

1600W: Fig. 9510009
500W: Fig. 9511003
Remote Ammeter

Fig. 9510003
Hour Meter

Fig. 9510010
Power Supply Control Panel Assembly

Fig. 9551001
Distant Electric Base Control Panel & Slave Controller

Fans, Spark Gap Assembly & Switches

Fig. 9510011
Power Supply Fan and 500W Optical Assembly Fan

Fig. 9521008
Optical Assembly Fan for 1600W

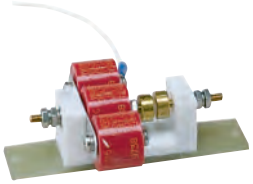


Fig. 9521003
Spark Gap Assembly

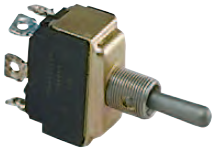


Fig. 9510005
Ignite Toggle Switch

Fig. 9510006
Beam Focus Switch

Fig. 9582001

Fig. 9582002

Fig. 9582003

Searchlight Tools

A number of custom produced tools make working with and on XR searchlights easier. One of the best (and safest) ways to evaluate the performance of older units in the field is with the Xenon lamp emulator kit which simulates Xenon lamps while running and during start-up. Other tools help adjust, focus and install lamps.

Catalog Number	Description
9582001	9/64" Hex (Lamp Changing) Tool.
9582002	500 Watt and 1KW Lamp Extractor Tool.
9582003	1/4" x 10" Reflector Adjusting Wrench.
9582004	Spare Emulator Kit for Fig. 9854 (See Manual Fig. 9581001 for item list).
9582005	Spare Parts & Maintenance Kit for Fig. 9854 (See Manual Fig. 9581001 for item list).

Manuals

Catalog Number	Description
9581001	Installation Manual - For Fig. 9854 Complete Searchlights.
9581002	Installation Manual - For Fig. 9551 Remote Distant Electric Control Unit.
9581003	Installation Manual - For Figs. 9501 & 9521 Head and Optical Assemblies.
9581004	Installation Manual - For Fig. 9304 Complete Searchlights.

XR SERIES XENON SEARCHLIGHTS BULBS

XR Series Xenon Lamp
Ordering Information

WARNING!!
Xenon lamps are filled with Xenon Gas under high pressure. They may explode in either hot or cold state, especially if dropped or mishandled. **ALWAYS** wear protective safety equipment (a protective face mask with neck guard, chest protector, heavy clothing and leather gloves) when handling a lamp.

AMPERAGE RATINGS

Xenon Lamp Size	Catalog Number	Current Range	Recommended Operation	Candle Power	Range Miles
300 Watt*	9563000	12A - 16A	15A @ 20V	20,000,000	3.1
500 Watt*	9565000	20A - 30A	30A @ 15V	35,000,000	3.8
1000 Watt	9560000	30A - 55A	50A @ 20V	80,000,000	5.1
1600 Watt	9566000	50A - 70A	65A @ 24V	100,000,000	5.5

* 300W and 500W lamps shown as replacements on VARO 300W and 500W Searchlights only - Not used on 9854 Series Searchlights.

LAMP WARRANTIES REQUIRE COMPLETION OF WARRANTY REGISTRATION FORMS SHORTLY AFTER PURCHASE AND INSTALLATION

PERKO
Purchase Notification

Purchase Price _____

Date Completed _____

Date of Purchase _____

Authorized Dealer _____

Motor Vessel Name _____

SAMPLE

PERKO Inc.
Miami, FL. 33169

PERKO
Warranty Registration

Purchase Price _____

Hour Meter Reading

Date of Installation _____

Authorized Dealer _____

Motor Vessel Name _____

SAMPLE

PERKO Inc.
Miami, FL. 33169

NOTE: **PERKO offers a limited warranty on both the shelf and operating life of the XR Series Xenon lamps. Please see the XR Series "Limited Eighteen (18) Month Warranty" for all explicit terms and conditions of this warranty.XR Series Xenon lamps are supplied with an adapter sized to fit XR Series Searchlights. Adapters for other searchlights can be manufactured upon request. Contact customer service for details.**

MADE IN THE USA

19 Inch Solar-Ray® Searchlight

1900 Series

All Aluminum - White Perko•Kote Finish

32, 120 or 230 Volts

CE

The 1900 Series - Solar-Ray® Searchlights are designed and built with the commercial user in mind where maximum size and brilliance count. These units are constructed of marine aluminum with heavy duty castings and heavy gauge reinforced bodies for extra durability. They are finished in our white PERKO•KOTE finish, an advanced process that eliminates the need for painting while providing a scratch resistant and chip-proof surface for painting when necessary to match the color of the vessel.

The 1900 Series is available with Deck, Wheel, Lever/Gear or Distant Electric Remote 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.

Bulbs are not included and must be ordered separately. PERKO offers a choice of the traditional incandescent or the brighter, more piercing quartz-halogen bulbs in a variety of voltages and wattages. For complete information on bulbs and candlepower output,
see page C•46

"1900 Series" High Power Searchlight Features

Halo Deflector

Heavy Gauge Reinforced Aluminum Body

19" Parabolic Glass Reflector with Shock Resistant Mounting

Weatherproof Construction

Flat Black Interior Finish

Stainless Steel Latches

Lower Vent Cover

Slide-Lock Focusing Device Behind Lower Vent

Positive Non-Leaking Seals

Heavy Duty Cast Rack and Pinion Assembly

Extra Heavy Duty Yoke Mounting Ribbed for Extra Strength

Floating Stops in Base to Allow 400 Degree Rotation

Bushing & Rubber Gasket for Isolated Mounting

Extra Large Cast Aluminum Base Drilled for Four 1/2" Fasteners

Figs. 1901 & 1902

PROP 65 WARNING
(Contains Lead)

Fig. 1922

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.

Control Types

DISTANT ELECTRIC CONTROL
Joysick type controller with variable speed control for both horizontal and vertical positioning.

Fig. 1925

LEVER/GEAR CONTROL
Aim handle for horizontal position. Twist handle for vertical position.

Fig. 1921

19 Inch Solar-Ray® Searchlight & Control Assemblies

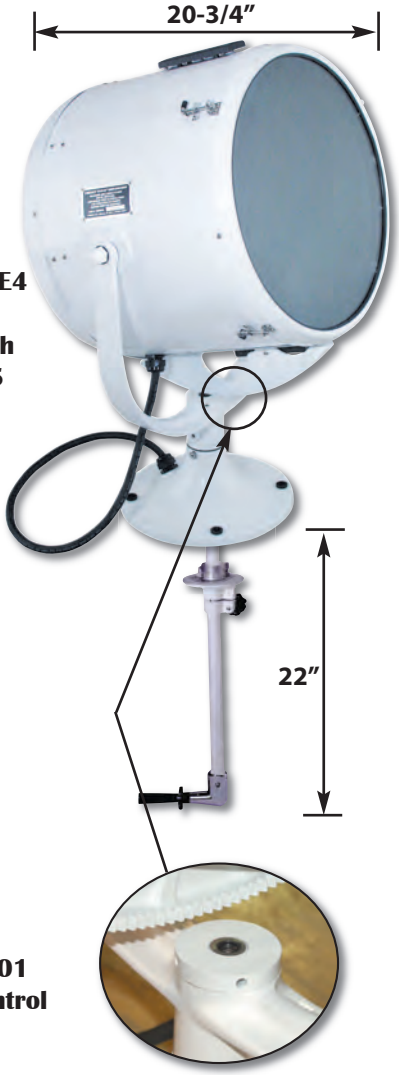
Tech Info	
Nominal Drum Diameter Inches	Base Diameter
19	13

Fig. 1902 Light Shown With Fig. 1922 Wheel Control
Distance Between Wheels, 2-1/2 Inches.

Fig. 1902DE4 Light Shown With Fig. 1925 Distant Electric Control

Fig. 1901 Deck Control

Fig. 1902 Light Shown With Fig. 1921 Lever/Gear Control



WATER-PROOF
SEAL FOR GEAR MECHANISM

PROP 65 WARNING
(Contains Lead)

All Aluminum - White Perko•Kote Finish

Ordering & Tech Info		
Description	Catalog No.	Weight
Deck Control Searchlight Head Assembly*	1901004WHT	76 lbs.
Wheel or Lever/Gear Control Searchlight Head Assembly (Requires Control Assembly Below)	1902004WHT	76 lbs.
Searchlight Head Assembly For Distant Electric Control Base	1902DE4WHT	103 lbs.
Wheel Control Assembly (For Above)	1922000WHT	20 lbs.
Lever/Gear Control Assembly (For Above)	1921000WHT	13 lbs.
Distant Electric Control Assembly (For Above)	1925000WHT	100 lbs.

*Cannot Be Fitted With Alternate Controls.

CE

Custom Control Lengths and Pedestal Heights Are Available. Price Upon Application. Specify Measurements.

Bulbs Are Not Included in Lights (See Page C•46).

MADE IN THE USA

SPARE PARTS FOR 1900 SERIES SOLAR-RAY® SEARCHLIGHTS

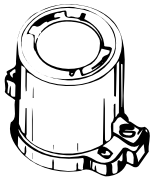
Electric Socket and Support Stand Assemblies for 19 Inch Searchlights

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

Ordering & Tech Info

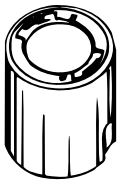
Socket Type	Socket Code	Socket & Stand Catalog Number	Height Stand Inches
Medium Screw	B	0872004	5-3/4
Medium Prefocus	E	0873004	5-7/16
Mogul Prefocus (1500 Watt)	L	1930004	3-5/8
Mogul Prefocus (1000 & 2000 Watt)	M	1931004	3-1/8
2-Pin Prefocus (900 Watt)	K	0880004	7-5/16

Replacement Socket Ordering Info
For 0800 Series and 1900 Series Solar-Ray ® Searchlights



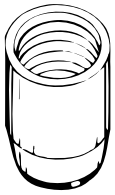
Mogul Prefocus Socket
(Codes "L & M")
Catalog No. 0893

Medium Screw Socket
(Code "B")
Catalog No. 0894

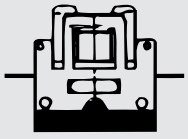
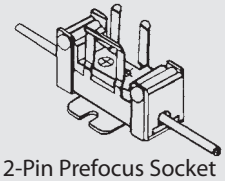


Medium Prefocus Socket
(Code "E")
Catalog No. 0895

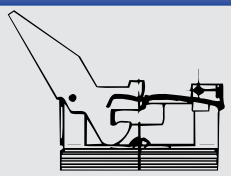
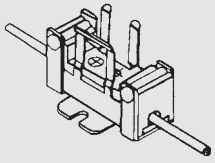
PROP 65 WARNING
(Contains Lead)



Mogul Screw Socket
(Code "D")
Catalog No. 0897

OLD SOCKET	NEW SOCKET
	
2-Pin Prefocus Socket (Codes "F, G, H & I") Catalog No. 0899	2-Pin Prefocus Socket (Code "F, G, H, I & K") Catalog No. 0899

For use with 10, 12, & 14 Inch Searchlights

OLD SOCKET	NEW SOCKET
	
2-Pin Prefocus Socket (Code "K") Catalog No. 0866	2-Pin Prefocus Socket (Code "K") Catalog No. 0899

For use with 12, 14 & 19 Inch Searchlights

19 INCH SOLAR-RAY® SEARCHLIGHT BULB & SOCKET INFORMATION

Bulb Ordering Information For 19 Inch Searchlights

For best results, the bulb and reflector must be perfectly compatible; therefore be sure to specify the catalog number of the bulb desired. Peak candlepower is exceedingly sensitive to many factors, (i.e., a light source out of focus by 1/32 inch, under-voltage of only 4%, or differences between bulb manufacturers) which can cause a reduction of range of up to 20%. See below. For a more concentrated beam, longer range, brighter light and a longer life, we recommend the Quartz/Halogen bulbs.

Ordering & Tech Info

Voltage	Approx. Range Miles*	Bulb Catalog Number	Bulb Type	Socket Type	Socket Code Letter	Wattage	Rated Life Hours**	Maximum Candlepower Output	Horizontal Beam Spread Degrees	Vertical Beam Spread Degrees	Mfg. Bulb Code
32	1-2/3	0806	Incandescent	Medium Screw	B	500	50	3,520,000	3.5	3.7	DLT
120	1-5/8	0807	Incandescent	Medium Prefocus	E	500	25	3,191,000	3.5	4.0	CZX
120	1-3/8	0837	Incandescent	Medium Prefocus	E	750	200	2,076,000	3.6	4.2	DDY
120	1-3/4	0809	Incandescent	Medium Prefocus	E	750	25	4,569,000	3.6	4.5	DDB
120	2	0810	Incandescent	Medium Prefocus	E	1000	25	5,622,000	3.6	4.2	DRS
120	1-3/4	0844	Quartz/Halogen	Medium Prefocus	E	500	500	3,861,000	3.0	5.4	BTL
120	1-5/8	0845	Quartz/Halogen	Medium Prefocus	E	750	200	2,871,000	3.6	5.4	BTP
120	2	0839	Quartz/Halogen	2-Pin Prefocus	K	900	75	5,769,000	5.9	5.4	BVA
120	1-2/3	0847	Quartz/Halogen	Mogul Prefocus	M	1000	200	3,659,000	4.5	5.4	BVV
120	1-7/8	0846	Quartz/Halogen	Medium Prefocus	E	1000	200	4,601,000	4.5	5.4	BTR
120	2	0848	Quartz/Halogen	Mogul Prefocus	L	1500	300	5,596,000	5.9	5.7	DTA
120	1-2/3	0859	Quartz/Halogen	Mogul Prefocus	M	2000	250	3,633,000	9.4	5.9	BVW
230	1-3/8	0860	Quartz/Halogen	Medium Prefocus	E	1000	950	2,162,000	7.9	6.5	FKD

*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 as a guide to compare different bulb and voltage options.

Please Order Carefully, Bulbs Are Not Returnable.

****NOTE: These are the "Rated Average Laboratory Life in Hours" of the Bulb Manufacturer obtained in closely controlled laboratory life testing of groups of lamps at their design voltage. It is not necessarily the same as the service life where conditions such as shock, vibration, voltage fluctuation and environment may result in a shorter average attained life.**

Spare Parts Ordering Information For 19 Inch Searchlights

Ordering & Tech Info

Fig. No.	Front Glass	Front Door with Glass	Rear Cover	Reflector*	Pinion Gear
1901	0889004CLR	1936000WHT	1932000WHT	0890004	----
1902	0889004CLR	1936000WHT	1933000WHT	0890004	0905

*Replacement Retaining Clips (Cat. No. 0911) for the Reflector Should Also Be Ordered When Ordering a Replacement Reflector to Assure a Proper Fit.

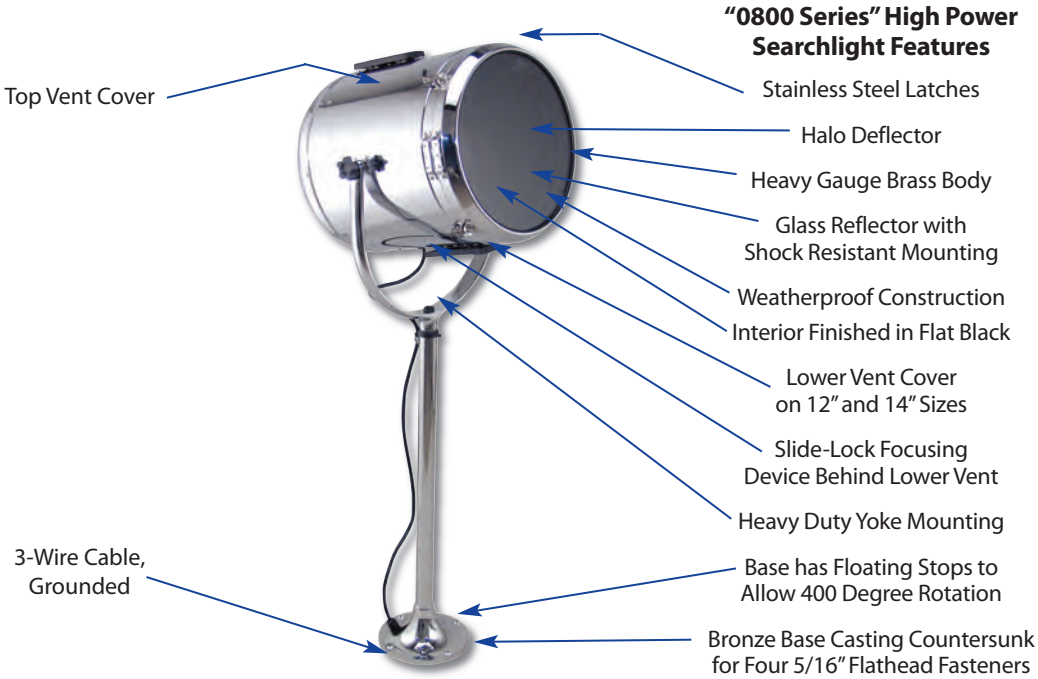
0800 Series

10", 12" or 14"

Cast Bronze and Heavy Gauge Brass
Polished Chrome or White Perko•Kote Finish
12, 24, 32, 120 or 230 Volts

The 0800 Series - Solar-Ray® Searchlights are available in 10", 12" and 14" sizes with your choice of Deck, Wheel, Lever/Gear Controls or DEC on 14 inch model. 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 0800 Series models are also available in our white PERKO•KOTE finish, an advanced powder coating process that eliminates the need for painting while providing a scratch resistant and chip-proof surface for painting when necessary to match the color of the vessel.

Bulbs are not included and must be ordered separately. PERKO offers a choice of the traditional incandescent or the brighter, more piercing quartz-halogen bulbs in a variety of voltages and wattages to fit every need. For complete information on bulbs and candlepower output, see pages C•56 & 57.



BULBS ARE NOT INCLUDED IN LIGHTS. (SEE PAGES C•56 & C•57)

Control Types

PROP 65 WARNING (Contains Lead)

DECK CONTROL (C•48 & 49)
Equipped with handles on the rear cover for positioning.

LEVER CONTROL (C•50 & 51)
Aim handle for horizontal position. Move handle up and down for vertical position.

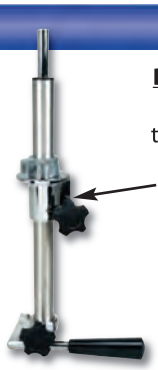
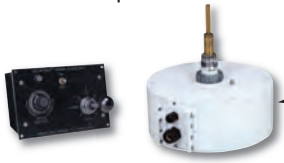


Fig. 0851



DISTANT ELECTRIC CONTROL (C•54)
Joystick type controller for both horizontal & vertical positioning (Only Available on the 0887)

WHEEL CONTROL (C•52 & 53)
Turn upper wheel for horizontal position. Turn lower wheel for vertical position.

Fig. 0852

LEVER/GEAR CONTROL (C•52 & 53)
Aim handle for horizontal position. Twist handle for vertical position.

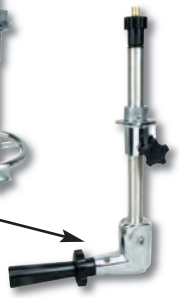


Fig. 0969

MADE IN THE USA

0883 Series Deck Control Solar-Ray® Searchlights

10", 12" or 14"

Lamp

Incandescent

PROP 65 WARNING
(Contains Lead)

Tech Info

"A" Nominal Drum Diameter Inches	"C" Length Drum Inches	Approx. Ship Weight Pounds
10	13	28
12	15	38
14	17	45

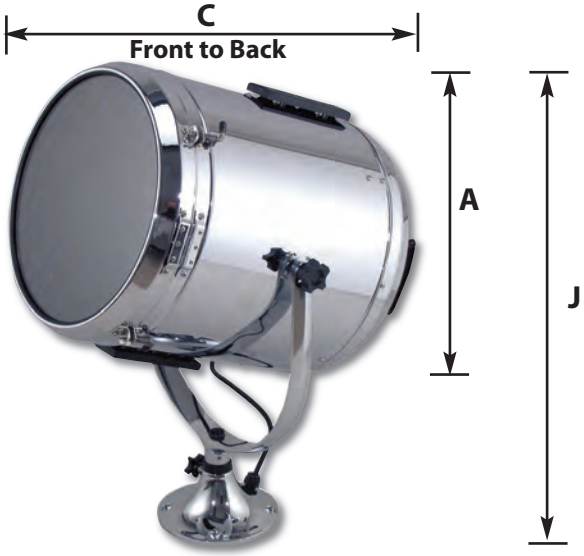


Fig. 0883 - Standard Pedestal Chrome

Fig. 0883 - High Pedestal Chrome

Fig. 0883 - Medium Pedestal White

A - Nominal drum diameter
C - Drum length
J - Overall height from mounting surface to top of searchlight

Bulbs Are Not Included in Lights (See Pages C•56 & 57).

CE

0883 Series Deck Control Solar-Ray® Searchlights

10", 12" or 14" Ordering Info

PROP 65 WARNING
(Contains Lead)

NOTES:
1) These Searchlights Cannot Be Fitted With Controls.
2) Bulbs Must be Ordered Separately, Refer to Pages C•56 & 571 for Ordering Information.
3) Refer to Worksheet on Page C•55 For Help in Bulb Ordering.

Ordering Info - Standard Pedestal

Nominal Reflector Size Inches	"J" Height Overall Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	20-1/8	0883OP1CHR	0883OP1WHT
12	22-1/8	0883OP2CHR	0883OP2WHT
14	25-1/8	0883OP3CHR	0883OP3WHT

Standard Pedestal Base Diameter, 7 Inches

Ordering Info - Medium Pedestal

Nominal Reflector Size Inches	"J" Height Overall Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	27-1/2	0883MP1CHR	0883MP1WHT
12	29-1/2	0883MP2CHR	0883MP2WHT
14	32-1/2	0883MP3CHR	0883MP3WHT

Medium Pedestal Base Diameter, 8 Inches

Ordering Info - High Pedestal

Nominal Reflector Size Inches	"J" Height Overall Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	44	0883HP1CHR	0883HP1WHT
12	46	0883HP2CHR	0883HP2WHT
14	49	0883HP3CHR	0883HP3WHT

High Pedestal Base Diameter, 8 Inches

NOTE: Custom Pedestal Heights are Available. Price Upon Application. Specify the "J" Dimension for Custom Pedestal Height.

0884 Series Lever Control Solar-Ray® Searchlights

10", 12" and 14"

Lamp

Incandescent

PROP 65 WARNING
(Contains Lead)

Tech Info

"A" Nominal Drum Diameter Inches	"C" Length Drum Inches	Approx. Ship Weight Pounds
10	13	28
12	15	38
14	17	45

Fig. 0884
Standard Pedestal
Chrome

Fig. 0884
Medium Pedestal
Chrome

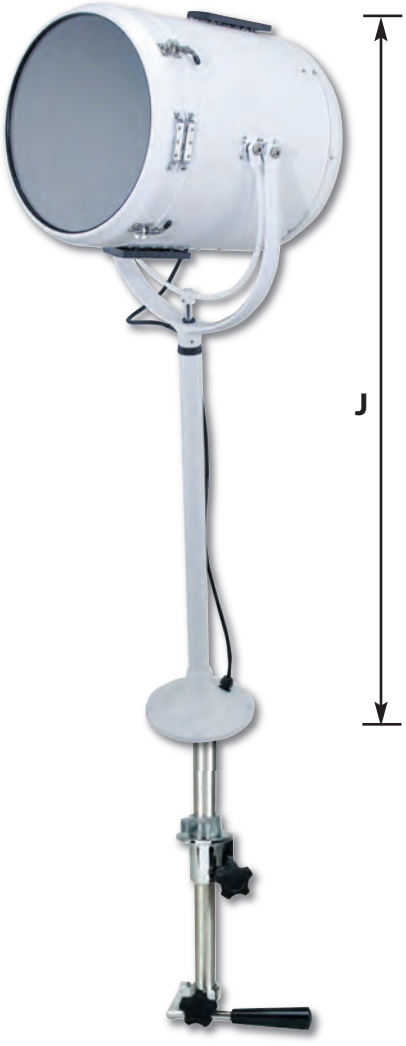


Fig. 0884
High Pedestal
White

- A - Nominal drum diameter
- C - Drum length
- J - Overall height from mounting surface to top of searchlight
- E - Control length

Bulbs Are Not Included in Lights (See Pages C•56 & 57).

CE

0884 Series Lever Control Solar-Ray® Searchlights

10", 12" and 14" Ordering Info

PROP 65 WARNING (Contains Lead)

Notes: 1) Bulbs Must be Ordered Separately, Refer to Pages C•56 & 57 for Ordering Information.
2) Refer to Worksheet on Page C•55 For Help in Bulb Ordering.

Ordering Info - Standard Pedestal Head Assemblies

Nominal Reflector Size Inches	"J" Height Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	20-1/8	0884OP1CHR	0884OP1WHT
12	22-1/8	0884OP2CHR	0884OP2WHT
14	25-1/8	0884OP3CHR	0884OP3WHT

Standard Pedestal Base Diameter, 7 Inches

Ordering Info - Medium Pedestal Head Assemblies

Nominal Reflector Size Inches	"J" Height Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	28-1/4	0884MP1CHR	0884MP1WHT
12	30-1/4	0884MP2CHR	0884MP2WHT
14	33-1/4	0884MP3CHR	0884MP3WHT

Medium Pedestal Base Diameter, 8 Inches

Ordering Info - High Pedestal Head Assemblies

Nominal Reflector Size Inches	"J" Height Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	44-3/4	0884HP1CHR	0884HP1WHT
12	46-3/4	0884HP2CHR	0884HP2WHT
14	49-3/4	0884HP3CHR	0884HP3WHT

High Pedestal Base Diameter, 8 Inches

High Pedestal White

Med. Pedestal White

Std. Pedestal White

Std. Pedestal Chrome

Med. Pedestal Chrome

High Pedestal Chrome

NOTE: Custom Pedestal Heights are Available. Price Upon Application.Specify the "J" Dimension for Custom Pedestal Height.

Fig. 0851 - Lever Control Assemblies

Control assemblies of different lengths may be interchanged on Solar-Ray® searchlights (Fig. 0884) of the same pedestal height. The following chart makes it possible to order and stock different lengths of these assemblies separately to offer a large variety of Solar-Ray® searchlights with a minimum of inventory. Custom Control Lengths are Available. Price Upon Application. Specify the "E" Dimension for Custom Control Lengths.

Ordering & Tech Info

"E" Length Control Inches	0 For Standard Pedestal	M For Medium Pedestal	H For High Pedestal Cat. No.	Approx. Ship Weight Lbs. 0/M/H
8-1/2	0851000*	0851M00*	0851H00*	3.4/4.3/6.1
15-1/2	08510A0	0851MA0	0851HA0	4.1/4.9/6.3
22-1/2	08510B0	0851MB0	0851HB0	5.0/5.8/6.9
29-1/2	08510C0	0851MC0	0851HC0	5.8/6.6/8.5

* Maximum Ceiling Thickness, 4-1/2 Inches

PROP 65 WARNING (Contains Lead)

WHEEL OR LEVER/GEAR CONTROL SOLAR-RAY® SEARCHLIGHTS

0885 Series Wheel or Lever/Gear Control Solar-Ray® Searchlights

10", 12" and 14"

Lamp

Incandescent

PROP 65 WARNING
(Contains Lead)

Tech Info

"A" Nominal Drum Diameter Inches	"C" Length Drum Inches	Approx. Ship Weight Pounds
10	13	28
12	15	38
14	17	45

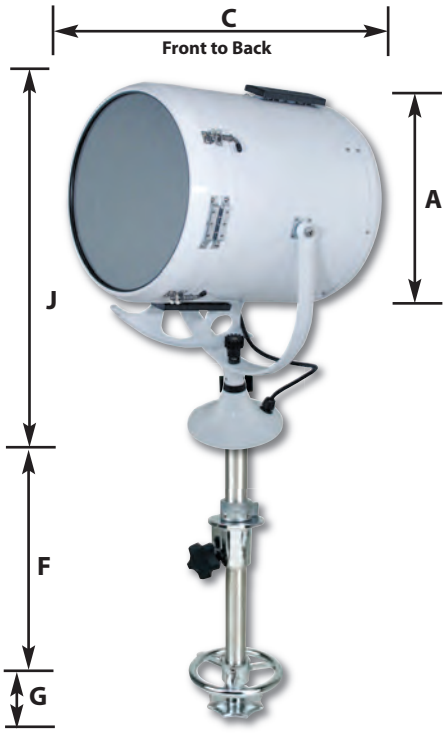


Fig. 0885 White Standard Pedestal Shown With Fig. 0852 Wheel Control

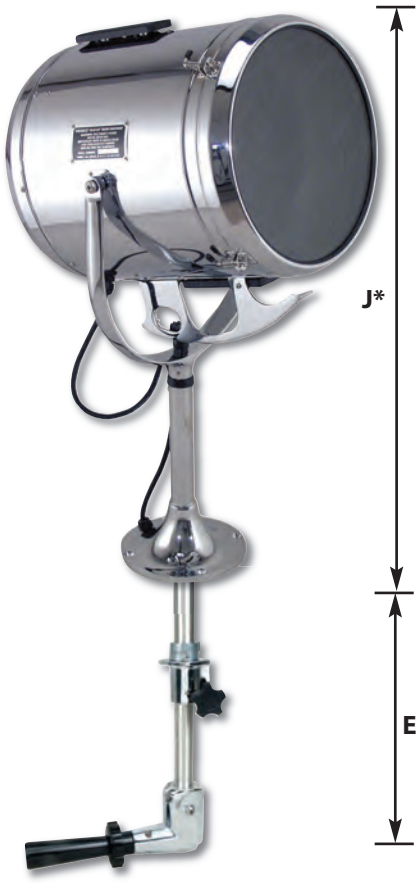


Fig. 0885 Chrome Medium Pedestal Shown With Fig. 0969 Lever/Gear Control

Fig. 0885 Chrome High Pedestal Shown With Fig. 0852 Wheel Control

A - Nominal drum diameter
C - Drum length
E - Control length (lever/gear control)
F - Control length (wheel control)
G - Distance between wheels, 2 inches.
J - Overall height from mounting surface to top of searchlight

Bulbs Are Not Included in Lights (See Pages C•56 & 57).

CE

MADE IN THE USA

WHEEL OR LEVER/GEAR CONTROL SOLAR-RAY® SEARCHLIGHT HEAD ASSEMBLIES

0885 Series Wheel or Lever/Gear Control Solar-Ray® Searchlights

10", 12" and 14" Ordering Info

PROP 65 WARNING (Contains Lead)

Notes: 1) Bulbs Must be Ordered Separately, Refer to Pages C•56 & 57 for Ordering Information.
2) Refer to Worksheet on Page C•55 For Help in Bulb Ordering.

Ordering Info - Standard Pedestal Head Assemblies

Nominal Reflector Size Inches	"J" Height Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	20-1/8	0885OP1CHR	0885OP1WHT
12	22-1/8	0885OP2CHR	0885OP2WHT
14	25-1/8	0885OP3CHR	0885OP3WHT

Standard Pedestal Base Diameter, 7 Inches

Ordering Info - Medium Pedestal Head Assemblies

Nominal Reflector Size Inches	"J" Height Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	28-1/4	0885MP1CHR	0885MP1WHT
12	30-1/4	0885MP2CHR	0885MP2WHT
14	33-1/4	0885MP3CHR	0885MP3WHT

Medium Pedestal Base Diameter, 8 Inches

Ordering Info - High Pedestal Head Assemblies

Nominal Reflector Size Inches	"J" Height Inches	Polished Chrome Catalog No.	White PERKO•KOTE Catalog No.
10	44-3/4	0885HP1CHR	0885HP1WHT
12	46-3/4	0885HP2CHR	0885HP2WHT
14	49-3/4	0885HP3CHR	0885HP3WHT

High Pedestal Base Diameter, 8 Inches

High Pedestal White

Med. Pedestal White

Std. Pedestal White

Std. Pedestal Chrome

Med. Pedestal Chrome

High Pedestal Chrome

NOTE: Custom Pedestal Heights are Available. Price Upon Application. Specify the "J" Dimension for Custom Pedestal Height.

Control Assemblies - Figs. 0852 & 0969

PROP 65 WARNING (Contains Lead)

Control assemblies of different lengths may be interchanged on Solar-Ray® searchlights (Fig. 0885) of the same pedestal height. The following chart makes it possible to order and stock different lengths of these assemblies separately to offer a large variety of Solar-Ray® Searchlights with a minimum of inventory.

Ordering Info Wheel Control - Fig. 0852

"F" Length Control Inches	0 For Standard Pedestal	M For Medium Pedestal	H For High Pedestal	Nominal Wt. Lbs. 0/M/H
7-1/2	0852000*	0852M00*	0852H00*	4.1/5.0/7.0
14-1/2	08520A0	0852MA0	0852HA0	4.9/5.7/7.6
21-1/2	08520B0	0852MB0	0852HB0	5.8/6.5/8.5
28-1/2	08520C0	0852MC0	0852HC0	6.5/7.3/9.2

*Maximum Ceiling Thickness, 3 Inches

Ordering Info Lever/Gear Control - Fig. 0969

"E" Length Control Inches	0 For Standard Pedestal	M For Medium Pedestal	H For High Pedestal	Nominal Wt. Lbs. 0/M/H
8-1/2	0969000*	0969M00*	0969H00*	5.2/6.1/7.8
15-1/2	09690A0	0969MA0	0969HA0	6.0/6.6/8.5
22-1/2	09690B0	0969MB0	0969HB0	6.9/7.6/9.4
29-1/2	09690C0	0969MC0	0969HC0	7.6/8.3/10.2

*Maximum Ceiling Thickness, 3-1/2 Inches

NOTE: Custom Control Lengths are Available. Price Upon Application. Specify the "E" or "F" Dimension for Custom Control Lengths.

DISTANT ELECTRIC CONTROL SOLAR-RAY® SEARCHLIGHT

Lamp

Incandescent

PROP 65 WARNING
(Contains Lead)

0887 Series
for 12, 24 & 120 Volt

Tech Info

Nominal Drum Diameter Inches	Length Drum Inches	Gross Shipping Weight Pounds
14	17	68

Distant
Electric Control

Joystick type controller with variable speed control for both horizontal & vertical positioning

Fig. 0887 - Standard Pedestal With DEC Base

All Aluminum - White Perko•Kote Finish

Ordering Info

Description	Catalog No.
Searchlight Head Assembly w/ Distant Electric Control Base - 12 Volt	0887EA3WHT
Searchlight Head Assembly w/ Distant Electric Control Base - 24 Volt	0887EB3WHT
Searchlight Head Assembly w/ Distant Electric Control Base - 120 Volt	0887EC3WHT

CE

Bulbs Are Not Included in Lights (See Pages C•56 & 57).

MADE IN THE USA

SOLAR-RAY® SEARCHLIGHT ORDERING WORKSHEET

0800 Series

See www.perko.com for interactive Searchlight Ordering Guide

1) **Head Assembly Type:** _____}
   a) For deck control - 0883
   b) For lever control - 0884
   c) For wheel and lever/gear control - 0885
2) **Pedestal (overall) Height (see catalog page for details):** _____}
   a) Standard - O
   b) Medium - M
   c) High - H
   For custom pedestal height see no. 10 below.
3) **Reflector Size:** _____}
   a) 10 inch - 1
   b) 12 inch - 2
   c) 14 inch - 3
4) **Finish:** _____}
   a) PERKOPLATE (polished chrome) - CHR
   b) PERKO•KOTE (white) - WHT
5) **Control Type:** _____}
   a) Lever control (For 0884 Head Assembly) - 0851
   b) Wheel control (For 0885 Head Assembly) - 0852
   c) Lever/Gear control (For 0885 Head Assembly) - 0969
6) **Control Length (when necessary):** _____}
   a) (8-1/2" for 0851 & 0969) or (7-1/2" for 0852) - 0
   b) (15-1/2" for 0851 & 0969) or (14-1/2" for 0852) - A
   c) (22-1/2" for 0851 & 0969) or (21-1/2" for 0852) - B
   d) (29-1/2" for 0851 & 0969) or (28-1/2" for 0852) - C
7) **Bulb Number (see pages C•60 & 61 for details):** _____}
8) **Socket Type:** .....Code: _____}
   a) Medium Screw ..... "B"
   b) Medium Prefocus..... "E"
   c) Mogul Screw..... "D" (Not for use with 10 inch reflector.)
   d) 2-Pin Prefocus (12 volt) ..... "F"
   e) 2-Pin Prefocus (24 volt) ..... "G"
   f) 2-Pin Prefocus (32 volt) ..... "H"
   g) 2-Pin Prefocus (600 Watt) ..... "I"
   h) 2-Pin Prefocus (900 watt) ..... "K"
9) **Custom control length:** _____
   Specify control length desired as measured from pedestal base to lower end of control assembly ("E" or "F" dimension).
10) **Custom pedestal height:** _____
    Specify overall height of searchlight desired as measured from the top of the searchlight head to the bottom of the pedestal base ("J" dimension).

Head Assembly Cat. No. [ ] [P] [ ] [ ]

Control Assembly Cat. No. [ ] [ ] [ ] [0]

Bulb Cat. No. [ ]

Socket Code [ ]

Spare Parts Ordering Info for 0800 Series Solar-Ray® Searchlights

Fig.	Size	Front Glass Cat. No.	Front Door with Glass Cat. No. *	Rear Cover Cat. No. *	Reflector** Cat. No.	Pinion Gear Cat. No.
0883	10"	0889001CLR	0891001CHR	0908001CHR	0890001	----
	12"	0889002CLR	0891002CHR	0908002CHR	0890002	----
	14"	0889003CLR	0891003CHR	0908003CHR	0890003	----
0884	10"	0889001CLR	0891001CHR	0902001CHR	0890001	----
	12"	0889002CLR	0891002CHR	0902002CHR	0890002	----
	14"	0889003CLR	0891003CHR	0902003CHR	0890003	----
0885	10"	0889001CLR	0891001CHR	0902001CHR	0890001	0905
	12"	0889002CLR	0891002CHR	0902002CHR	0890002	0905
	14"	0889003CLR	0891003CHR	0902003CHR	0890003	0905

*** NOTE: The Spare Part catalog numbers listed above are for the polished chrome (CHR) finish. To order white finish, replace the "CHR" in the catalog number with the "WHT" finish code.**

**Replacement Retaining Clips (Cat. No. 0910) For The Reflector Should Also Be Ordered When Ordering a Replacement Reflector To Assure a Proper Fit.

BULB TECHNICAL DATA FOR SOLAR-RAY® SEARCHLIGHTS

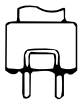
0800 Series Bulbs

The Following Chart is Provided to Aid in Proper Bulb Selection:

Searchlight Size Inches	Voltage	Approximate Range Miles*	Bulb Catalog Number	Bulb Wattage	Rated Life Hours**	Maximum Candlepower Output	Horizontal Beam Spread Degrees	Vertical Beam Spread Degrees
10"	12	1	0816	100	50	1,168,000	1.7	1.4
	24	1	0836	150	50	891,000	2.6	1.5
	32	3/4	0817	200	200	571,000	2.6	1.7
	32	1	0806	500	50	943,000	3.4	3.9
	120	1	0820	600	75	908,000	4.4	2.2
	120	1-1/8	0807	500	25	1,332,000	3.5	2.8
	120	1-1/8	0844	500	500	1,260,000	3.1	3.4
12"	12	1-1/4	0816	100	50	1,617,000	1.5	1.2
	24	1-1/8	0836	150	50	1,349,000	2.2	1.5
	32	7/8	0817	200	200	865,000	2.4	1.6
	32	1-1/8	0806	500	50	1,496,000	3.4	3.5
	120	1	0837	750	200	977,000	4.1	3.7
	120	1	0845	750	200	1,185,000	3.7	5.2
	120	1-1/8	0820	600	75	1,410,000	4.3	1.9
	120	1-1/4	0809	750	25	1,792,000	3.6	3.4
	120	1-1/4	0844	500	500	1,641,000	3.2	3.4
	120	1-1/4	0807	500	25	1,799,000	3.3	3.1
	120	1-1/4	0811	1000	50	1,816,000	4.0	4.9
	120	1-3/8	0810	1000	25	1,894,000	4.0	3.8
	120	1-3/8	0846	1000	200	1,911,000	3.9	5.0
	120	1-1/2	0839	900	75	2,482,000	4.5	5.5
	230	7/8	0860	1000	950	865,000	6.9	5.9
14"	12	1-1/4	0816	100	50	1,756,000	1.5	1.0
	24	1-1/8	0836	150	50	1,367,000	2.3	1.2
	32	1	0817	200	200	943,000	2.2	1.5
	32	1-1/8	0806	500	50	1,591,000	4.0	3.7
	120	1-1/8	0837	750	200	1,254,000	3.9	4.5
	120	1-1/8	0845	750	200	1,531,000	3.6	5.1
	120	1-1/4	0820	600	75	1,626,000	4.5	1.9
	120	1-3/8	0844	500	500	1,840,000	2.9	3.2
	120	1-3/8	0811	1000	50	2,249,000	4.0	5.1
	120	1-1/2	0807	500	25	2,353,000	3.2	3.2
	120	1-1/2	0809	750	25	2,422,000	3.7	4.0
	120	1-1/2	0846	1000	200	2.586,000	3.8	5.0
	120	1-1/2	0810	1000	25	2,621,000	4.0	4.5
	120	1-5/8	0839	900	75	2,889,000	4.5	5.2
	230	1	0860	1000	950	1,021,000	7.7	6.2

*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 as a guide to compare different bulb and voltage options.

**NOTE: These are the "Rated Average Laboratory Life in Hours" of the Bulb Manufacturer obtained in closely controlled laboratory life testing of groups of lamps at their design voltage. It is not necessarily the same as the service life where conditions such as shock, vibration, voltage fluctuation and environment may result in a shorter average attained life.



2-PIN PREFOCUS

MOGUL SCREW

MEDIUM PREFOCUS

MEDIUM SCREW

MADE IN THE USA

Bulb and Socket Ordering Information For Solar-Ray® Searchlights

0800 Series Bulbs

Bulbs Are Not Included in Lights and Must Be Ordered Separately.

For best results, the bulb and reflector must be perfectly compatible; therefore, be sure to specify the catalog number of the bulb desired. Peak candlepower is exceedingly sensitive to many factors, (i.e., a light source out of focus by 1/32 inch, under-voltage of only 4%, or differences between bulb manufacturers) which can cause a variation in range of up to 20%.

Incandescent Bulb Ordering Info

Bulb Catalog Number	Voltage	Wattage	Socket Type	Socket Code Letter	For Searchlight Sizes Inches	Rated* Life Hours	Mfg. Bulb Code
0806	32	500	Medium Screw	B	10, 12, 14	50	DLT
0807	120	500	Medium Prefocus	E	10, 12, 14	25	CZX/DAB
0809	120	750	Medium Prefocus	E	12, 14	25	DDB
0837	120	750	Medium Prefocus	E	12, 14	200	DGH
0810	120	1000	Medium Prefocus	E	12, 14	25	DRS
0811	120	1000	Mogul Screw	D	12, 14	50	DPT

For a More Concentrated Beam, Longer Range, Brighter Light and a Longer Life, We Recommend the Following Bulbs:

"Quartz" Tungsten-Halogen Bulb Ordering Info

Bulb Catalog Number	Voltage	Wattage	Socket Type	Socket Code Letter	For Searchlight Sizes Inches	Rated* Life Hours	Mfg. Bulb Code
0816	12	100	2-Pin Prefocus	F	10, 12, 14	50	FDT
0836	24	150	2-Pin Prefocus	G	10, 12, 14	50	DZE-FDS
0817	32	200	2-Pin Prefocus	H	10, 12, 14	200	1945
0844	120	500	Medium Prefocus	E	10, 12, 14	500	BTL
0820	120	600	2-Pin Prefocus	I	10, 12, 14	75	DYS
0845	120	750	Medium Prefocus	E	12, 14	200	BTP
0839	120	900	2-Pin Prefocus	K	12, 14	75	BVA
0846	120	1000	Medium Prefocus	E	12, 14	200	BTR
0860	230	1000	Medium Prefocus	E	12, 14	950	FKD

Please Order Carefully, Bulbs are Not Returnable.

***NOTE: These are the "Rated Average Laboratory Life in Hours" of the Bulb Manufacturer obtained in closely controlled laboratory life testing groups of lamps at their design voltage. It is not necessarily the same as the service life where conditions such as shock, vibration, voltage fluctuation and environment may result in a shorter average attained life.**

Electric Socket and Support Stand Assemblies

Solar-Ray® Searchlights include a socket and support stand assembly based on the bulb or socket information given when ordering. The following chart makes it possible to order and stock different socket and stand assemblies for field conversion to meet a large variety of voltage and candlepower requirements with a minimum of inventory.

Ordering Info

Socket Type (See Page 95 for Drawing)	Socket Code	For 10" Searchlights		For 12" Searchlights		For 14" Searchlights	
		Catalog Number	Height Stand Inches	Catalog Number	Height Stand Inches	Catalog Number	Height Stand Inches
Medium Screw	B	0872001	1-1/4	0872002	2-1/4	0872003	3-1/4
Medium Prefocus	E	0873001	1-5/16	0873002	1-15/16	0873003	2-15/16
Mogul Screw	D	--------	------	0874002	7/16	0874003	1-1/4
2-Pin Prefocus (12 Volt)	F	0875001	3-1/2	0875002	4-1/2	0875003	5-1/2
2-Pin Prefocus (24 Volt)	G	0876001	3-1/4	0876002	4-1/4	0876003	5-1/4
2-Pin Prefocus (32 Volt)	H	0878001	3-1/4	0878002	4-1/4	0878003	5-1/4
2-Pin Prefocus (600 Watt)	I	0879001	3-1/8	0879002	4-1/8	0879003	5-1/8
2-Pin Prefocus (900 Watt)	K	--------	-----	0880002	3-13/16	0880003	4-13/16

NOTE: Refer to Page C•45 for Spare/Replacement Electric Socket Only Ordering Information.

SOLAR-RAY® SEALED BEAM SEARCHLIGHTS

Lamp

Sealed Beam

CE

PROP 65 WARNING
(Contains Lead)

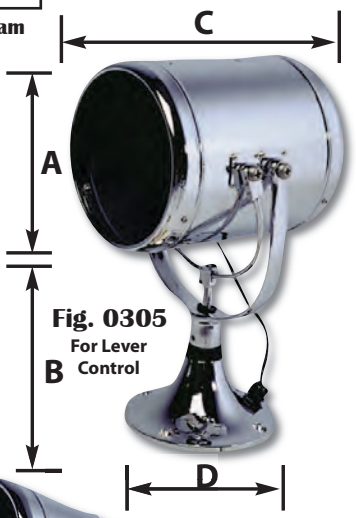


Fig. 0305
For Lever Control

Fig. 0313
For Wheel or Lever/Gear Control

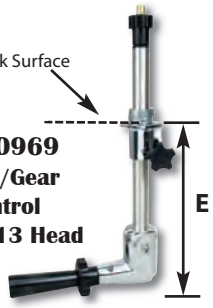


Fig. 0969
Lever/Gear Control
Fits 0313 Head

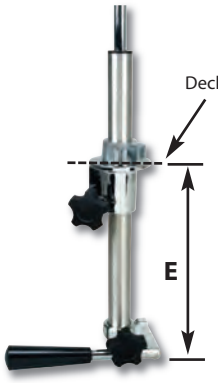


Fig. 0851
Lever Control
Fits 0305 Head

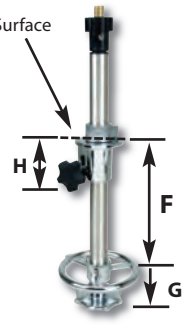


Fig. 0852
Wheel Control
Fits 0313 Head

Figs. 0305 & 0313 Series

CONSTRUCTION:

- Bronze Base, Brass Body
- Chrome Plated or White PERKO•KOTE Powder Coating
- For 12, 24 or 32 Volts

Dimensions (Inches)

A	B	C	D	G	H
8	8-1/2	10	7	2	2-1/8

Tech Info

Voltage	Wattage	Approximate Candlepower	Sealed Beam Range Miles	Sealed Beam Catalog No.
12	100	250,000	5/8	043300312V
24	450	470,000	3/4	043300324V
32	200	260,000	5/8	043300332V

Ordering Info - Figs. 0305 & 0313 Searchlight Heads

Voltage	Head Only Chrome Plated For Lever Control	Head Only White PERKO•KOTE For Lever Control	Head Only Chrome Plated For Wheel or Lever/Gear Control	Head Only White PERKO•KOTE For Wheel or Lever/Gear Control
12	0305H12CHR	0305H12WHT	0313H12CHR	0313H12WHT
24	0305H24CHR	0305H24WHT	0313H24CHR	0313H24WHT
32	0305H32CHR	0305H32WHT	0313H32CHR	0313H32WHT

Nominal Weight - 20 lbs.

Fig. 0354 Front Bezel with Glass for Figs. 0305 & 0313, Specify Chrome or White.
Fig. 0355 Rear Cover for Figs. 0305 & 0313, Specify Chrome or White.

Figs. 0851, 0852 & 0969 - Control Assemblies

CONSTRUCTION:

- Stainless Steel Tubes with Chrome Plated Fittings
- Lever Control Fits Fig. 0305 Head Assemblies.
- Wheel and Lever/Gear Controls Fit Fig. 0313 Head Assemblies.

Ordering & Tech Info

Control Length Inches "E"	Control Length Inches "F"	"E" Lever Control For 0805	"E" Lever/Gear Control For 0313	"F" Wheel Control For 0313	Nominal Weight Pounds E/E/F
8-1/2	7-1/2	0851000*	0969000**	0852000***	3.4/4.1/5.2
15-1/2	14-1/2	08510A0	09690A0	08520A0	4.1/4.9/6.0
22-1/2	21-1/2	08510B0	09690B0	08520B0	5.0/5.8/6.9
29-1/2	28-1/2	08510C0	09690C0	08520C0	5.8/6.5/7.6

Maximum Ceiling Thickness,
*0851: 4-1/2 Inches.
**0969: 3-1/2 Inches.
***0852: 3 Inches.
Custom Lengths Available by Special Order.

PILOT HOUSE CONTROL SEALED BEAM SEARCHLIGHT

Fig. 0314 - Pilot House Control Searchlight

LAMP

SEALED BEAM

CONSTRUCTION:

- Chrome Plated or White PERKO•KOTE Powder Coated Brass
- Corrosion Resistant, Splash Proof Construction
- 7 & 8 Inch Sealed Beam Units Included
- Tin Plated Electrical Contacts and Wiring
- Lever Action, Pilot House Control
- 380° Horizontal Movement, 70° Vertical Movement
- Lever Handle Controls both Horizontal and Vertical Movement
- For Ceiling Thicknesses of up to 5"
- For 12, 24 or 32 Volts

Fig. 0314
White

Fig. 0314
Chrome

Ordering & Tech Info

Overall Length	Voltage	Approx. Range Miles	Beam Candle Power	Wattage	Chrome Catalog Number	White Catalog Number	Ship Wt. Carton Lbs. Std. Pkg.
7 Inch Head							
24	12	5/8	250,000	100	0314C0712V	0314W0712V	13.1
24	24	3/4	470,000	450	0314C0724V	0314W0724V	13.1
24	32	5/8	260,000	200	0314C0732V	0314W0732V	13.1
8 Inch Head							
26	12	3/4	500,000	250	0314C0812V	0314W0812V	13.4
26	24	3/4	500,000	600	0314C0824V	0314W0824V	13.4
26	32	3/4	500,000	600	0314C0832V	0314W0832V	13.4

Replacement Sealed Beam Information

7 Inch Head
12 Volt: 043300312V
24 Volt: 043300324V
32 Volt: 043300332V

8 Inch Head
12 Volt: 043300412V
24 Volt: 043300424V
32 Volt: Order 24V Sealed Beam. If converting from another voltage, order Internal Dropping Resistor (0314R3299A) in addition to the bulb.

PROP 65 WARNING
(Contains Lead)

CE

SOLAR-RAY® SEALED BEAM SEARCHLIGHTS

Figs. 0534, 0535 & 0538 - Searchlights

Fig. 0534

Fig. 0535

Fig. 0538

CONSTRUCTION:

- Chrome Plated Brass Head
- For 12, 24 or 32 Volts
- Tungsten or Halogen Bulb
- Switch in Head

Fig. 0534 - Deck Control

- Chrome Plated Bronze Base
- 7 Inch Sealed Beam Bulb Included

Fig. 0535 - Pilot House Control

- Chrome Plated Bronze Base
- 7 Inch Sealed Beam Bulb Included
- Lever Handle Controls both Horizontal and Vertical Movement
- Control Length: 7-1/2 Inches
- Maximum Ceiling Thickness: 4-1/2 Inches

Fig. 0538 - Deck Control

- Chrome Plated Brass Base
- 4-1/2 Inch Sealed Beam Bulb Included

Ordering & Tech Info

Voltage	O.D. Bulb Inches	Approx. Range Miles	Beam Candlepower	Wattage	Height Overall Inches	Base Dimension Inches	Catalog Number	Ship Wt. Carton Lbs. Std Pkg.
12	7	5/8	250,000	100	12-1/2	4-7/8 x 3-1/8	053400312V	9.0
24	7	3/4	470,000	450	12-1/2	4-7/8 x 3-1/8	053400324V	9.0
32	7	5/8	260,000	200	12-1/2	4-7/8 x 3-1/8	053400332V	9.0
12	7	5/8	250,000	100	---------	4-7/8 x 3-1/8	053500312V	9.0
24	7	3/4	470,000	450	---------	4-7/8 x 3-1/8	053500324V	9.0
32	7	5/8	260,000	200	---------	4-7/8 x 3-1/8	053500332V	9.0
12	4-1/2	1/4	50,000	30	7-1/2	3-1/2 O.D.	0538000CHR	1.5
12	4-1/2	1/3	100,000	50	7-1/2	3-1/2 O.D.	0538H00CHR*	1.5

*NOTE: "H" in the Catalog Number Designates a Halogen Bulb.

PROP 65 WARNING (Contains Lead)

CE

Lamp

Sealed Beam Included

Fig. 0440 - Removable Hand Held Deck Control Searchlight

Lamp

Sealed Beam Included

CONSTRUCTION:

- Chrome Plated Brass Head and Base
- For 12 or 32 Volts
- 4-1/2 or 7 Inch Sealed Beam Bulb Included
- 8 Feet of Coiled Cord & Cigarette Lighter Plug
- Watertight Deck Connection
- Switch in Head

Ordering & Tech Info

Voltage	O.D. Bulb Inches	Approx. Range Miles	Beam Candlepower	Wattage	Height Overall Inches	Catalog Number	Ship Wt. Carton Lbs. Std Pkg.
12	4-1/2	1/4	50,000	30	7-1/2	044000112V	2.4
12	4-1/2	1/3	100,000	50	7-1/2	0440H0112V*	2.4
12	7	5/8	250,000	100	10	044000312V	5.5
32	7	5/8	260,000	200	10	044000332V	5.5

Base Diameter, 2-1/8 Inches.
*NOTE: "H" in the Catalog Number Designates a Halogen Bulb.

PROP 65 WARNING (Contains Lead)

CE

Fig. 0440
No. 3 Shown

SPARE SEALED BEAM ORDERING INFORMATION

4-1/2 Inch Sealed Beam: 043300112V.
4-1/2 Inch Halogen Sealed Beam: 043500112V.
Replacement Base: 0494000CHR
7 Inch Sealed Beam (12 Volt): 043300312V.
7 Inch Sealed Beam (24 Volt): 043300324V.
7 Inch Sealed Beam (32 Volt): 043300332V.

MADE IN THE USA

BATTERY SWITCH TECHNICAL INFORMATION

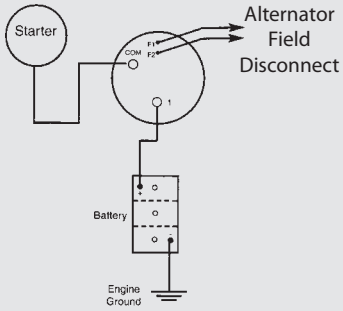
Battery disconnect switches help manage the overall use of electrical power onboard. They are used to connect or disconnect electrical devices from the electrical system. They help to prevent battery drain during periods of inactivity. They allow for a quick and easy way to shut down the entire electrical system in an emergency. An optional key lock helps to prevent unauthorized use of the vessel.

In addition to doing everything a battery disconnect switch does, battery selector switches permit battery selection (of two or more batteries) for specific purposes including starting engines, running accessories or even recharging. They allow for the use of one or more batteries in systems with one or more engines and facilitate putting batteries in parallel for emergency starting when one or both batteries are substantially discharged.

All Perko Battery disconnect switches and battery selector switches are UL listed, ignition protected and CE approved. This means they have been tested and certified by a respected outside agency, are designed to be used safely in a bilge where explosive fumes may be present and meet all the requirements for use and sale throughout the world.

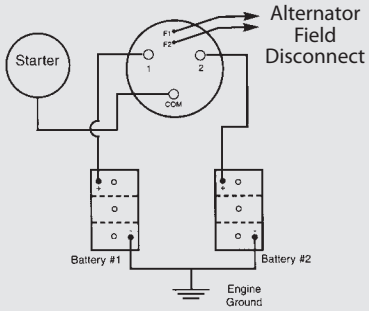
Perko battery switches are designed for surface mounting. Standard duty switches have a bright red polycarbonate housing for safety with a large easy-to-turn black knob. The housing of the heavy duty switches are red fiber-reinforced polycarbonate. Selector switches are designed with a "make before break" feature. This allows switching between the "1", the "all" and the "2" positions while the engine is running. Models with an "Alternator Field Disconnect" Feature offer protection for Non-Unitized Alternators should the switch accidentally be turned to the "OFF" position with the engine running.

Diagram #1



SINGLE ENGINE
SINGLE BATTERY

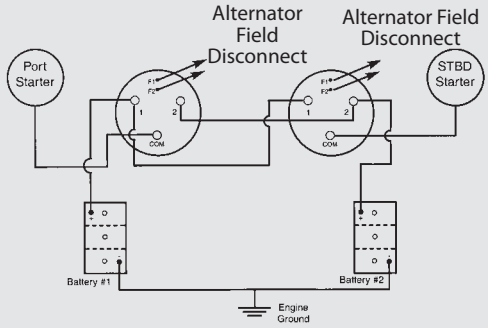
Diagram #2



SINGLE ENGINE
TWO BATTERIES

Switch Position indicates which battery (#1, All, #2) is connected to engine.

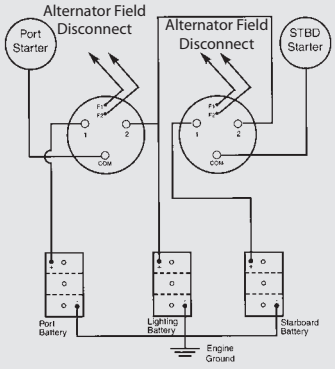
Diagram #3



2 ENGINES, 2 BATTERIES, 2 SWITCHES.

This allows either engine to be started by either battery. Port switch indicates which battery (#1, All, #2) is connected to the port engine and the starboard switch indicates which battery (#1, All, #2) is connected to starboard engine.

Diagram #4

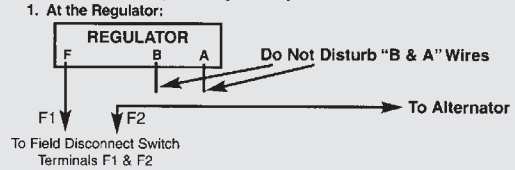


2 ENGINES, 2 ENGINE BATTERIES,
1 SEPARATE BANK OF LIGHTING BATTERIES
AND 2 SWITCHES

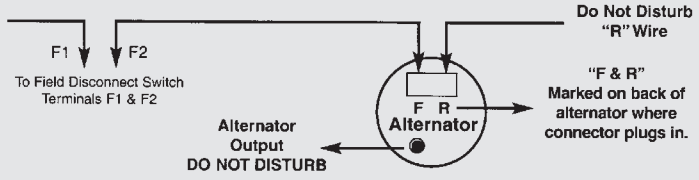
This allows both engines to be used to charge Lighting Batteries. Port switch indicates which battery (port only, port lighting only) is connected to the port engine and the starboard switch indicates which battery (starboard only, starboard lighting only) is connected to starboard engine.

Optional Alternator Field Disconnect

A. Use minimum 14 awg wire, suitable for use in marine engine compartments.
B. On systems with separate regulator, splice the field disconnect switch into the field wire "F" as shown:
1. At the Regulator:



2. On unitized alternators with built-in regulator and 3 wire hook-up, splice the field disconnect switch into the field wire "F" as shown"



C. On single wire alternators - a field disconnect cannot be installed.

U.S.C.G. ELECTRICAL STANDARDS

On January 31, 1977 the U.S.C.G. Published Safety Standards for Marine Electrical Systems. These Standards Cover Such Technical Details As:

- **Batteries and Associated Conductors**
- **Conductor Size and Ampacity**
- **Strain Relief and Pull Tests**
- **Termination Requirements**
- **Overcurrent Protection**
- **Ignition Protection**
- **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

COMPACT MEDIUM DUTY BATTERY SWITCHES

- **Requires 1/3rd Less Space to Mount**
- **Higher Rating than Popular 8500 Series Switches**
- **New Smooth Rotary Action**

MARINE UL LISTED POWER SWITCH 716B
STD 1107

- **Popular 90° Easy to Identify Position Rotation**
- **On/Off & Selector Versions**
- **Locking & Non-Locking Models**

Ignition Protected

Same Mounting Hole Locations

8500 Series Footprint

MADE IN THE USA

COMPACT BATTERY SELECTOR & MAIN DISCONNECT SWITCHES

IGNITION PROTECTED

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

For Use With 6 to 50 Volt Marine Electrical Systems
Higher Capacity - 315 AMPS Continuous, 450 AMPS Intermittent

- Same Bolt Pattern as Popular 8500 Series
- Smooth, Positive Position Selector
- Four removable skirt panels for easy cable access and mounting

Fig. 8511 - Compact Battery Selector Switch
Fig. 8512 - Compact Battery Selector Switch with Key Lock

Fig. 8511

Fig. 8512

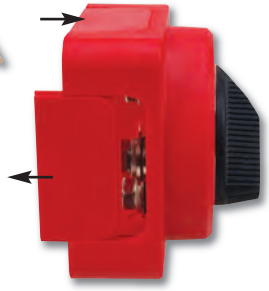


Illustration of removable skirt panels

Ordering & Tech Info

Features	Dealer Pkg. 5 Pcs. 1 Pc. per Pkg.	OEM Bulk Pkg. 25 Pcs.	Dimensions Inches	Depth Inches	Ship Wt. Carton Lbs. DP/OEM Bulk	Alternator Field Disconnect
w/o Key Lock	8511DP	8511	4 x 4 x 3	3	4.9/21.9	No
Key Lock	8512DP	8512	4 x 4 x 3	3	5.2/23.1	No

Surface Mount Trim Ring: 8511TRMRNG

IGNITION PROTECTED

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

For Use With 6 to 50 Volt Marine Electrical Systems
Higher Capacity - 315 AMPS Continuous, 450 AMPS Intermittent

- Same Bolt Pattern as Popular 9600 Series
- Smooth, Positive Position Selector
- Four removable skirt panels for easy cable access and mounting

Fig. 9611 - Compact Main Battery Disconnect Switch
Fig. 9612 - Compact Main Battery Disconnect Switch with Key Lock

Fig. 9611

Fig. 9612

Surface Mounting Trim Ring Available

Ordering & Tech Info

Features:	Dealer Pkg. 5 Pcs. 1 Pc. per Pkg.	OEM Bulk Pkg. 25 Pcs.	Dimensions Inches	Depth Inches	Ship Wt. Carton Lbs. DP/OEM Bulk	Alternator Field Disconnect
w/o Key Lock	9611DP	9611	4 x 4 x 3	3	4.6/20.0	No
Key Lock	9612DP	9612	4 x 4 x 3	3	4.8/21.5	No

Surface Mount Trim Ring: 8511TRMRNG

MEDIUM DUTY BATTERY SELECTOR SWITCHES

MADE IN THE USA

MARINE UL LISTED POWER SWITCH 716B CE

IGNITION PROTECTED

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

For Use With 6 to 50 Volt Marine Electrical Systems
Capacity - 250 AMPS Continuous, 360 AMPS Intermittent

Fig. 8501 - Medium Duty Battery Selector Switch
Fig. 8502 - Medium Duty Battery Selector Switch with Key Lock
Fig. 8503 - Medium Duty Battery Selector Switch with Alternator Field Disconnect
Fig. 8504 - Medium Duty Battery Selector Switch with Alternator Field Disconnect and Key Lock

When used with non-unitized alternators, these models will interrupt the field current (reducing the possibility of damage) if turned "OFF" with the engine running.

Fig. 8501

Fig. 8503

Fig. 8502

Fig. 8504

Ordering & Tech Info

Features	Alternator Field Disconnect	Dealer Pkg. 5 Pcs. 1 Pc. per Pkg.	OEM Bulk Pkg. 25 Pcs.	Diameter Inches	Depth Inches	Ship Wt. Carton Lbs. DP/OEM Bulk Pkg.
w/o Key Lock	No	8501DP*	8501	5-1/4	2-5/8	5.0/21.5
with Key Lock	No	8502DP	8502	5-1/4	2-5/8	5.2/23.1
w/o Key Lock	Yes	8503DP	8503	5-1/4	2-5/8	5.0/21.5
with Key Lock	Yes	8504DP	8504	5-1/4	2-5/8	5.4/24.0

Description	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Length Inches	Width Inches	Height Inches	Ship Wt. Carton Lbs. DP/OEM Bulk
Spacer	0462DP0RED	0462000RED	13-3/4	1/4	5/8	0.9/2.7

* 25 Pack Master Carton Available

Fig. 0462 Spacer For Large Cables

MEDIUM DUTY BATTERY DISCONNECT SWITCHES

IGNITION PROTECTED

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

For Use With 6 to 50 Volt Marine Electrical Systems
Capacity - 250 AMPS Continuous, 360 AMPS Intermittent

Fig. 9601 - Medium Duty Main Battery Disconnect Switch
Fig. 9602 - Medium Duty Main Battery Disconnect Switch with Key Lock
Fig. 9603 - Medium Duty Main Battery Disconnect Switch with Alternator Field Disconnect
Fig. 9604 - Medium Duty Main Battery Disconnect Switch with Alternator Field Disconnect and Key Lock

When used with non-unitized alternators, these models will interrupt the field current (reducing the possibility of damage) if turned "OFF" with the engine running.

Fig. 9601

Fig. 9603

Fig. 9602

Fig. 9604

Ordering & Tech Info

Features	Alternator Field Disconnect	Dealer Pkg. 5 Pcs. 1 Pc. per Pkg.	OEM Bulk Pkg. 25 Pcs.	Diameter Inches	Depth Inches	Ship Wt. Carton Lbs. DP/OEM Bulk Pkg.
w/o Key lock	No	9601DP	9601	5-1/4	2-5/8	4.7/20.4
with Key lock	No	9602DP	9602	5-1/4	2-5/8	5.0/21.5
w/o Key lock	Yes	9603DP	9603	5-1/4	2-5/8	4.7/21.3
with Key lock	Yes	9604DP	9604	5-1/4	2-5/8	5.0/21.3

Description	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Length Inches	Width Inches	Height Inches	Ship Wt. Carton Lbs. DP/OEM Bulk
Spacer	0462DP0RED	0462000RED	13-3/4	1/4	5/8	0.9/2.7

Fig. 0462 Spacer For Large Cables

HEAVY DUTY BATTERY SWITCHES

MADE IN THE USA

IGNITION PROTECTED

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

Fig. 8603 - Heavy Duty Battery Selector Switch with Alternator Field Disconnect

Capacity - Rated 380 AMPS Continuous, 850 AMPS Intermittent (5 Minutes On, 5 Minutes Off)

For Use With 6 to 50 Volt Marine Electrical Systems

Fig. 8603

Ordering & Tech Info

Dealer Pkg. 2 Pcs. 1 Pc. per Pkg.	Dimension Inches	Depth Inches	Ship Wt. Carton Lbs. Dealer Pkg.	Alternator Field Disconnect
8603DP	5-1/4 sq.	3-3/8	5.0	Yes

IGNITION PROTECTED

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

Fig. 9703 - Heavy Duty Battery Disconnect Switch with Alternator Field Disconnect

Capacity - Rated 450 AMPS Continuous, 1200 AMPS Intermittent (15 Seconds On, 5 Minutes Off)

For Use With 6 to 50 Volt Marine Electrical Systems

Fig. 9703

Ordering & Tech Info

Dealer Pkg. 2 Pcs. 1 Pc. per Pkg.	Dimension Inches	Depth Inches	Ship Wt. Carton Lbs. Dealer Pkg.	Alternator Field Disconnect
9703DP	5-1/4 sq.	3-3/8	5.0	Yes

FOG BELLS

The 8 and 12 Inch Bells Listed on This Page 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 Inch Size is for Use on Vessels Under 20 Meters (65.6 ft.) in Length. The 12 & 14 Inch Sizes is for Use on Vessels of any Length.

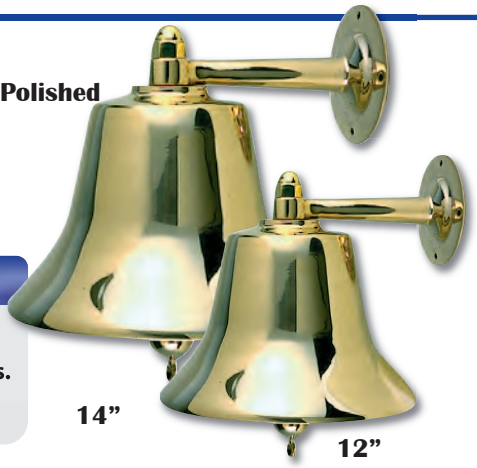
Fig. 0158 - Fog Bell

Now Available in 14 Inch

CONSTRUCTION:
- Cast Bronze
- Chrome Plated, Plain or Polished
- Heavy Weight
- Fixed Mounting

PROP 65 WARNING (Contains Lead)

Fig. 0158 Polished



Ordering & Tech Info

Bottom Diameter Inches	Height Overall Inches	Plain Bronze Std. Pkg. 1 Pc.	Polished Bronze Std. Pkg. 1 Pc.	Chrome Plated Bronze Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs.
12	12	0158012PLB	0158012POL	0158012CHR	37.0
14	14	0158014PLB	0158014POL	0158014CHR	41.5

Screw Size 1/4" R.H.

Fig. 0179 - Fog Bell

CONSTRUCTION:
- Wrought Brass
- Plain Brass Finish
- Light Weight
- Fixed Mounting

Fig. 0179

PROP 65 WARNING (Contains Lead)

Ordering & Tech Info

Bottom Diameter Inches	Height Overall Inches	Standard Pkg. 1 Pc.	Ship Wt. Carton Lbs. Std. Pkg.
12	8	0179012PLB	7.3

Fig. 0150 - Fog Bell

CONSTRUCTION:
- Cast Bronze
- Chrome Plated, Plain or Polished
- Heavy Weight, Removable

Fig. 0150 Chrome

PROP 65 WARNING (Contains Lead)

Ordering & Tech Info

Bottom Diameter Inches	Height Overall Inches	Plain Bronze Std. Pkg. 1 Pc.	Polished Bronze Std. Pkg. 1 Pc.	Chrome Plated Bronze Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs.
8	8	0150008PLB	0150008POL	0150008CHR	9.5
12	12	0150012PLB	0150012POL	0150012CHR	36.0

Screw Size 1/4" F.H.

FOG BELLS SPARE PARTS ORDERING INFORMATION

For complete Spare Part No. Insert Finish Code:
P or PLB, for Plain Bronze or Brass Finish (i.e. 0420P0699A or 0127000PLB).
B or POL, for Polished Bronze or Brass Finish (i.e. 0420B0699A or 0127000POL).
C or CHR, for Chrome Plated Finish (i.e. 0420C0699A or 0127000CHR).

Figure No.	ARMS Spare Part No.	WALL PLATES Spare Part No.	CLAPPERS Spare Part No.	EYE BOLTS Spare Part No.	ACORN NUTS Spare Part No.
0150-8" 0150-12"	0171000___ 0150_1299A	0127000___ 0150_1299B	0144000___ 0172000___*	0123000PLB 0172000___*	0465008___ 0465009___
0158-12	0158___99A*	0158_0099A*	0172000___*	0172000___*	0465009___
0179	017900099A* *Includes Wall Bracket	017900099A* *Includes Arm	0144000___ *Includes Eye Bolt	017900099B *Includes Clapper	0465008___

PROP 65 WARNING (Contains Lead)

HEAVY DUTY 4" INTAKE WATER STRAINER

PROP 65 WARNING
(Contains Lead)

Fig. 0693 - Intake Water Strainer

CONSTRUCTION:
- Cast Bronze

The new Perko Large Boat Strainer Line is designed for easy installation, cleaning and maintenance. Aircraft style mounting nuts hold fast without lock washers. They are held captive by the body and can't be dropped or lost. Once the mounting nuts are loosened, a convenient handle on the top cover allows it to be easily rotated and removed providing quick access to the strainer basket. Four 316 stainless steel tie rods and strainer basket minimize electrolysis. The diameter of the screen holes is 0.079" providing 47% open area, among the highest in the industry for cylindrical strainer baskets. A drain plug in the bottom casting is provided for easy sediment removal or to drain when winterizing. A transparent cylinder provides a visual check for debris.

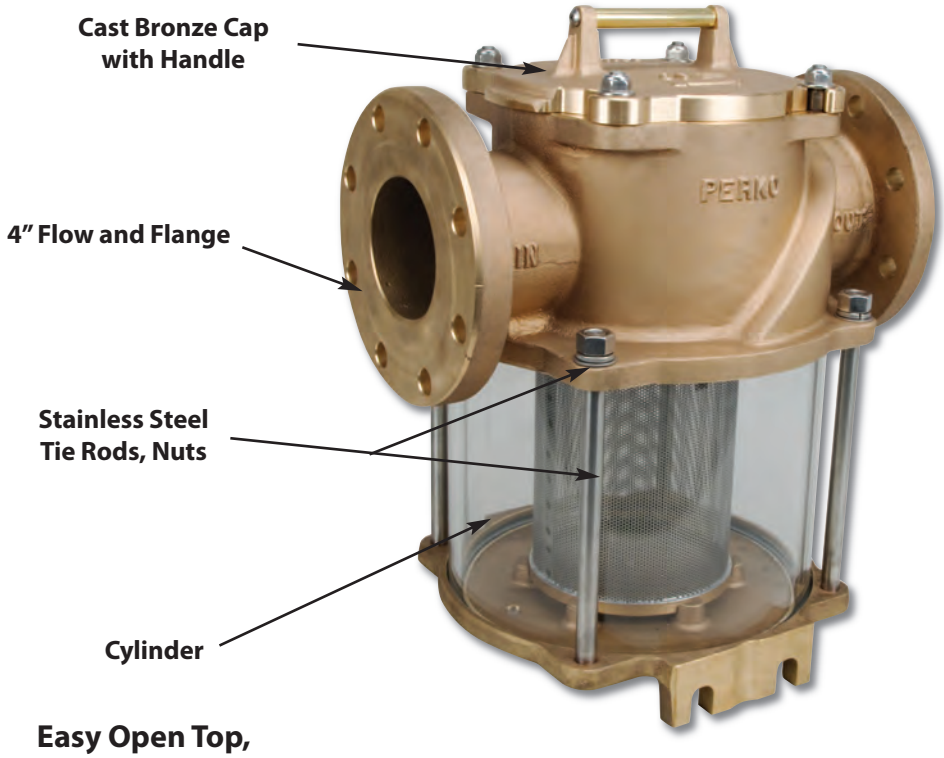


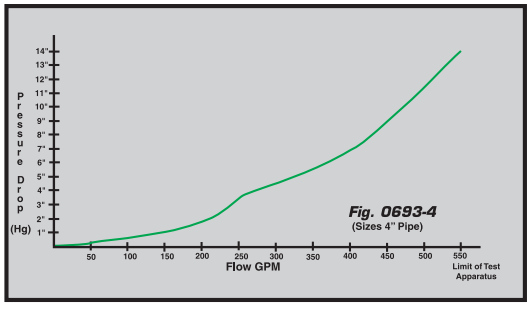
Fig. 0693

Basket

Easy Open Top, Simply Loosen 4 Captive Nuts

Twist and Lift

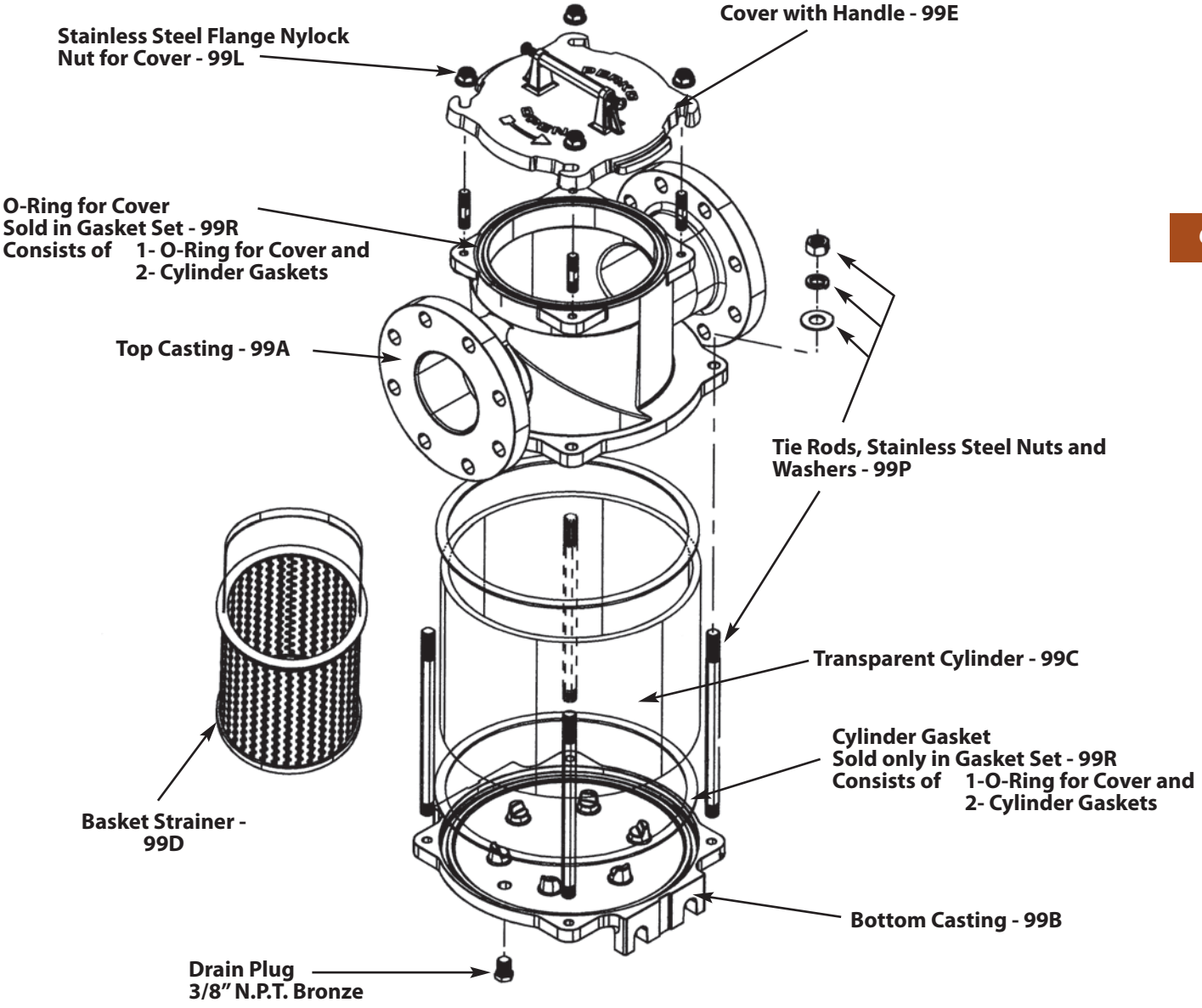
Flow Chart



Ordering & Tech Info

Pipe Size Inches	Height Overall Inches	Width Overall Inches	Std. Pkg. 1 Pc.	Dimensions Cylinder Inches	Dimensions Basket Inches	Open Area To Pipe Size Ratio	Ship Wt. Carton Lbs. Std. Pkg.	Spare Gasket Kit* Std. Pkg. 1 Kit
4	17-1/2	16-1/2	0693012PLB	12 O.D. x 8-3/4	6-3/4 x 8-5/8	10:1	135.0	069301299R

HEAVY DUTY 4" INTAKE WATER STRAINER SPARE PARTS



4" Intake Water Strainer Spare Parts Ordering Information

PROP 65 WARNING (Contains Lead)

Description	Spare Part Code	Sample Part Number	Package
Top Casting	99A	069301299A	Boxed
Bottom Casting	99B	069301299B	Boxed
Transparent Cylinder	99C	069301299C	Boxed
Basket Strainer	99D	069301299D	Boxed
Cover with Handle	99E	069301299E	Boxed
Stainless Steel Flange Nylock Nut for Cover			
Nylock Nut & Stud for Cover	99L	069301299L	Bag

Description	Spare Part Code	Sample Part Number	Package
Gasket Kit Consists of: 1- Rubber O-Ring for Cover and 2- Rubber Cylinder Gaskets	99R*	069301299R	Bag
Tie Rods, Nuts and Washers Consists of (1 Each for 0693 Series)	99P	069301299P	Bag

INTAKE WATER STRAINERS

MADE IN THE USA

PERKO water strainers are designed for easy installation and cleaning. Features include mounting lugs cast into both sides to assure universal mounting, four outside tie rods and a 316 stainless steel strainer basket to minimize electrolysis. The diameter of the screen holes is 0.079" providing 47% open area, among the highest in the industry for cylindrical strainer baskets. Hinged lugs for the cast bronze cover permit easy removal and cleaning of the strainer basket. A drain plug in the bottom casting is provided for easily removing sediment and draining for winterizing. For applications requiring higher capacity, use Fig. 0500.

Figs. 0493 & 0500
Intake Water Strainers

CONSTRUCTION:

- Cast Bronze
- Stainless Steel Basket
- Clear Polymer Cylinder

PROP 65 WARNING
(Contains Lead)

MARINE UL LISTED 858E Strainer

Fig. 0493

Fig. 0500

Ordering & Tech Info

Pipe Size Inches	Height Overall Inches	Width Overall Inches	Standard Pkg. - 1 Pc.	Dimensions Cylinder Inches O.D. x Height	Dimensions Basket Inches O.D. x Height	Open Area To Pipe Size Ratio	Ship Wt. Carton Lbs. Standard Pkg.	Spare Gasket Kit* Dealer Pkg. - 5 Kts. 1 Kit. per Bag
1/2	5-3/4	4-1/2	0493004PLB	3-1/2 x 4	1-13/16 x 4-1/16	30:1	4.9	0493DP599M (or) 99R
3/4	8-3/8	4-1/2	0493005PLB	3-1/2 x 6	1-13/16 x 6-1/4	25:1	5.0	0493DP599M (or) 99R
1	9-1/2	5-1/2	0493006PLB	4-1/2 x 5-1/2	2-5/8 x 5-7/8	20:1	8.1	0493DP799M (or) 99R
1-1/4	10	5-1/2	0493007PLB	4-1/2 x 6	2-5/8 x 6-1/4	13:1	7.9	0493DP799M (or) 99R
1-1/2	11-1/2	7-1/4	0493008PLB	6 x 8	3-5/16 x 8-7/16	17:1	13.7	0493DP999M (or) 99R
2	16	7-1/2	0493009PLB	6 x 12	3-5/16 x 12-1/4	13:1	19.5	0493DP999M (or) 99R
2-1/2	16	7-1/2	0493010PLB	6 x 12	3-5/16 x 12-1/2	10:1	18.0	0493DP999M (or) 99R

Ordering & Tech Info

Pipe Size Inches	Height Overall Inches	Width Overall Inches	Standard Pkg. - 1 Pc.	Dimensions Cylinder Inches O.D. x Height	Dimensions Basket O.D. x Height	Open Area To Pipe Size Ratio	Ship Wt. Carton Lbs. Standard Pkg.	Spare Gasket Kit* Standard Pkg. - 1 Kit
2	14-1/2	9	0500009PLB	8 x 10	3-7/8 x 10-1/4	20:1	36.0	0500DP999M (or) 99R
2-1/2	16-1/2	9	0500010PLB	8 x 12	3-7/8 x 12-1/4	18:1	33.5	0500DP999M (or) 99R
3	18-1/2	9	0500011PLB	8 x 14	3-7/8 x 14-1/4	14:1	34.0	0500DP999M (or) 99R

*Spare Gasket Kit Consists of: 1 Cover Gasket and 2 Cylinder Gaskets

INTAKE WATER STRAINER & FLUSHING STRAINER SPARE PARTS ORDERING INFORMATION

For Spare Part No. Insert a Spare Part Code Listed Below in Place of the "PLB" in the Strainer's Catalog Number (i.e., 049300699A, Top Casting for 1" (#6) Strainer).

Description	Spare Part Code	Sample Part Number	Package
Top Casting	99A	049300499A	Boxed
Bottom Casting	99B	049300499B	Boxed
Transparent Cylinder	99C	049300499C	Boxed
Basket Strainer	99D	049300499D	Boxed
Cover with Gasket	99E	049300499E	Boxed
Hinged Bolt for Cover With Pin, Nut and Washer	99L	0493DP599L	Bag
Cork Cover Gasket Kit (Set of 2)	99N	0493DP599N	Bag
Cork Gasket Kit Consists of: 1- Cover Gasket and 2- Cork Cylinder Gaskets	99M*	0493DP599M	Bag
Rubber Gasket Kit Consists of: 1- Cover Gasket and 2- Rubber Cylinder Gaskets	99R*	0493DP599R	Bag
Tie Rods, Nuts and Washers Consists of (4 Each for 0493 Series) (1 Each for 0500 Series)	99P	0493DP499P	Bag

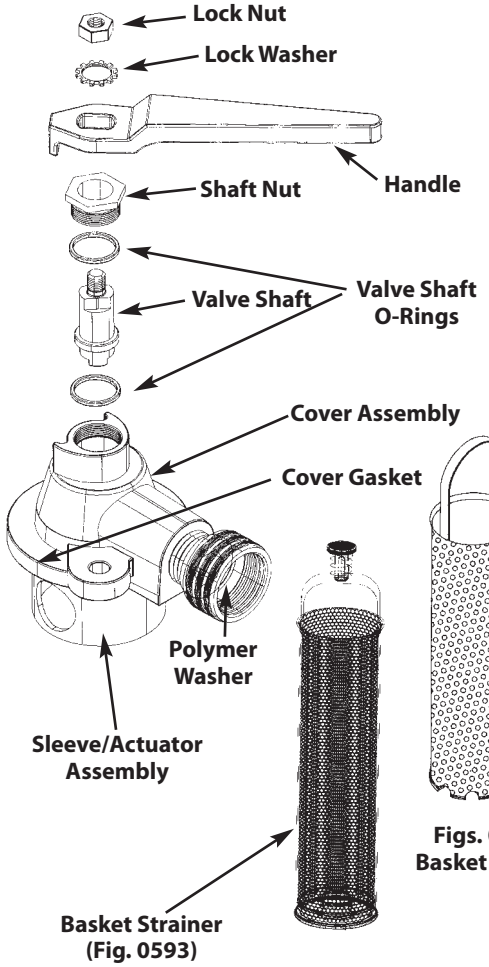
* Note: Older model strainers utilizing cork cylinder gaskets must order 99M Cork Gasket Kit and newer model strainers must order 99R Rubber Gasket Kit.

MADE IN THE USA

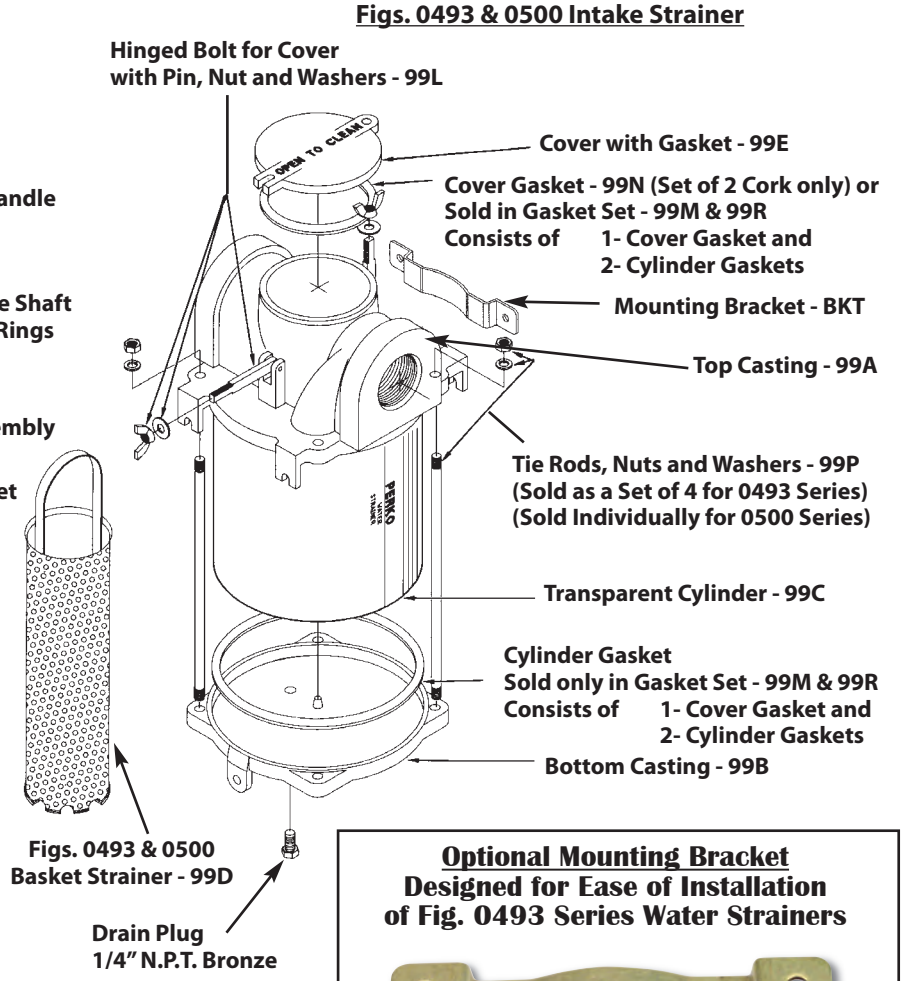
Figs. 0493 & 0500 - Intake Water Strainers and Fig. 0593 Flushing Strainer

Spare Parts Ordering Information

Fig. 0593 Flushing Strainer



Figs. 0493 & 0500 Intake Strainer



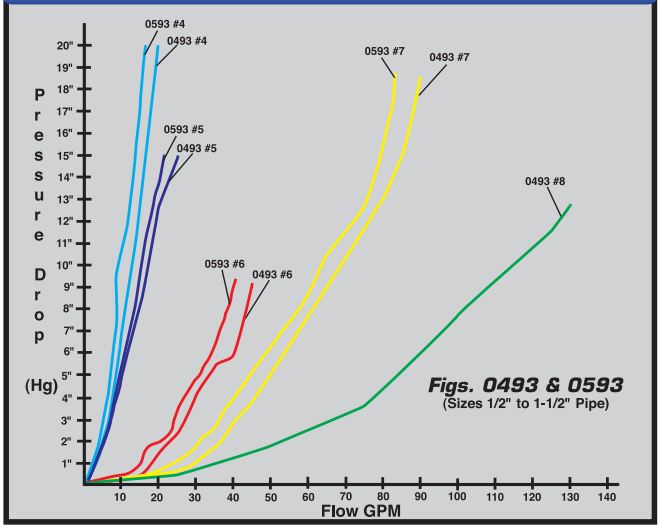
Optional Mounting Bracket Designed for Ease of Installation of Fig. 0493 Series Water Strainers

Fig. 0493067BKT Shown

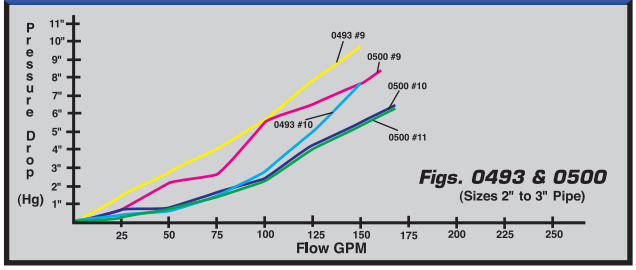
Part Number	Fits Strainer Size
0493045BKT	4 & 5
0493067BKT	6 & 7
0493089BKT	8 & 9

PROP 65 WARNING (Contains Lead)

FIGS. 0493 & 0593 - DIFFERENTIAL PRESSURE GRAPHS



FIGS. 0493 & 0500 - DIFFERENTIAL PRESSURE GRAPHS



DUPLEX INTAKE WATER STRAINER

PROP 65 WARNING
(Contains Lead)

Figs. 0594 - Duplex Intake Water Strainer

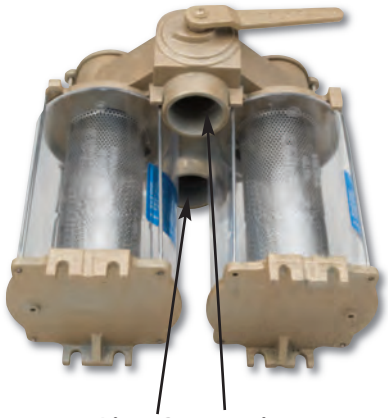
Duplex strainers permit continuous engine operation by permitting strainer clean-out while the engine is running. Properly sized, a single side of the strainer will allow adequate flow for cooling. Using an integral valve, either side can be closed and cleaned without affecting coolant flow to the engine through the other side.

CONSTRUCTION:

- Cast Bronze
- 4-Position Control Valve (All Off/Side 1 On/Side 2 On/Both On)
- Many Replacement Parts in Common with Other Perko Strainers (Fig. 0493)

Fig. 0594

PERKO duplex water strainers are designed for easy installation and cleaning. Features include mounting lugs cast into both sides to assure universal mounting, 8 outside tie rods and two 316 stainless steel strainer basket to minimize electrolysis. The diameter of the screen holes is 0.079" providing 47% open area, among the highest in the industry for cylindrical strainer baskets. Lugs for the cast bronze covers permit easy removal and cleaning of the strainer baskets. Drain plugs in the bottom castings are provided for easily removing sediment and draining for winterizing.



Pipe Connections

Ordering & Tech Info

Pipe Size Inches	Standard Pkg. - 1 Pc.	Height Overall Inches	Width Overall Inches	Depth Overall Inches	Dimensions Cylinder Inches O.D. x L	Open Area Dimensions Basket Inches	Each Side Open Area Ratio	Ship Wt. Carton Lbs. Std. Pkg.	Spare Gasket Kit* Dealer Pkg. - 5 Kts. 1 Kit. per Bag
1-1/2	0594008PLB	12	16	8-1/2	6 x 8	3-5/16 8-7/16	17:1	61	0594DP899R
2	0594009PLB	16	16	8-1/2	6 x 12	3-5/16 x 12-1/4	13:1	63	0594DP899R
2-1/2	0594010PLB	16	16	8-1/2	6 x 12	3-5/16 x 12-1/4	10:1	63	0594DP899R

DUPLEX INTAKE WATER STRAINER SPARE PARTS ORDERING INFORMATION

For Spare Part No. Insert a Spare Part Code Listed Below in Place of the "PLB" in the Strainer's Catalog Number (i.e., 059400699A, Top Casting for 1-1/2" (#8) Strainer).

Description	Spare Part Code	Sample Part Number	Package
Top Casting	99A	059400899A	Boxed
Transparent Cylinder	99C	049300899C	Boxed
Basket Strainer Size 8	99D	059400899D	Boxed
Basket Strainer Sizes 9 & 10	99D	049300999D	Boxed
Cover with Gasket	99E	0049300899E	Boxed
Wing Nuts & Bolts for Cover	99L	0493DP999L	Bag
Rubber Gasket Kit Consists of: 2 Cover Gaskets & 4 Body Gaskets	99R*	0594DP999R	Bag
Tie Rods Consists of (4 Each for)	99P	0493DP999P	Bag

LIGHTWEIGHT INTAKE WATER STRAINER WITH CLEAR BODY

Fig. 0443 - Lightweight Intake Water Strainer

CONSTRUCTION:

- Cast Bronze with Clear Polymer Body
- Our Lightest Weight Strainer
- Many Replacement Parts in Common with Other Perko Strainers (Fig. 0493)

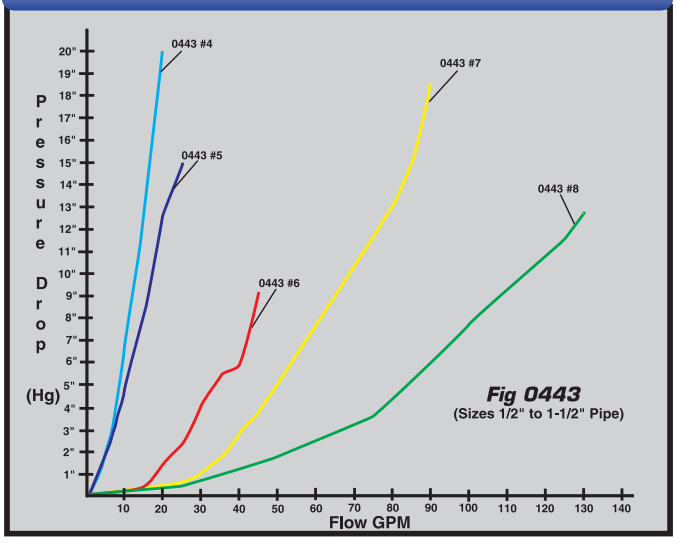
PROP 65 WARNING (Contains Lead)

MARINE UL LISTED 858E Strainer

PERKO water strainers are designed for easy installation and cleaning. Features include mounting lugs cast into both sides to assure universal mounting, four outside tie rods and a 316 stainless steel strainer basket to minimize electrolysis. The diameter of the screen holes is 0.079" providing 47% open area, among the highest in the industry for cylindrical strainer baskets. Hinged lugs for the cast bronze cover permit easy removal and cleaning of the strainer basket. A drain plug in the bottom casting is provided for easily removing sediment and draining for winterizing.

Fig. 0443

FIG. 0443 - DIFFERENTIAL PRESSURE GRAPH



Ordering & Tech Info

Pipe Size Inches	Standard Pkg. - 1 Pc.	Height Overall Inches	Width Overall Inches	Dimensions Cylinder Inches O.D. x L	Dimensions Basket Inches	Open Area To Pipe Size Ratio	Ship Wt. Carton Lbs. Std. Pkg.	Spare Gasket Kit* Dealer Pkg. - 5 Kts. 1 Kit. per Bag
1/2	0443004PLB	6-1/4	4-1/2	3-1/2 x 4-1/4	1-13/16 x 4-1/16	30:1	3.9	0443DP599R
3/4	0443005PLB	8-5/8	4-1/2	3-1/2 x 6-5/8	1-13/16 x 6-1/4	25:1	4.0	0443DP599R
1	0443006PLB	8-3/4	5-1/2	4-1/2 x 6	2-5/8 x 5-7/8	20:1	6.7	0443DP799R
1-1/4	0443007PLB	9-5/16	5-1/2	4-1/2 x 6-9/16	2-5/8 x 6-1/4	13:1	6.5	0443DP799R
1-1/2	0443008PLB	11-3/4	7-1/4	6 x 8-5/8	3-5/16 x 8-7/16	17:1	11.1	0443DP999R

CLEAR BODY INTAKE WATER STRAINER SPARE PARTS ORDERING INFORMATION

For Spare Part No. Insert a Spare Part Code Listed Below in Place of the "PLB" in the Strainer's Catalog Number (i.e., 049300699A, Top Casting for 1" (#6) Strainer).

Description	Spare Part Code	Sample Part Number	Package	Description	Spare Part Code	Sample Part Number	Package
Top Casting	99A	049300499A	Boxed	**Hinged Bolt for Cover With Pin, Nut and Washer**	99L	0493DP599L	Bag
Transparent Cylinder Body	99C	044300499C	Boxed	**Nuts and Washers** Consists of: 4 Each for 0443 Series	99F	0443DP499F	Bag
Basket Strainer	99D	049300499D	Boxed				
Cover with Gasket	99E	049300499E	Boxed				

FLUSHING STRAINER

MADE IN THE USA

PERKO Flushing strainers are designed for easy installation and cleaning. Features include mounting lugs cast into both sides to assure universal mounting, four outside tie rods and a 316 stainless steel strainer basket to minimize electrolysis. The diameter of the screen holes is 0.079" providing 47% open area, among the highest in the industry for cylindrical strainer baskets. Hinged lugs for the cast bronze cover permit easy removal and cleaning of the strainer basket. A drain plug in the bottom casting is provided for easily removing sediment and draining for winterizing.

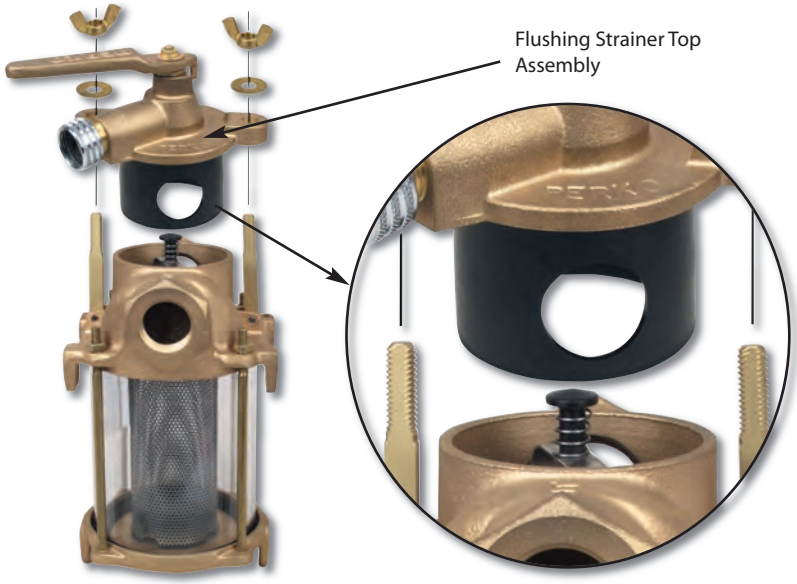
Fig. 0593

Fig. 0593 - Flushing Strainer

Fresh Water Flushes your Inboard or Generator Simply and Easily

CONSTRUCTION:

- Cast Bronze
- Available in 1/2", 3/4", 1", or 1-1/4" Pipe Sizes
- Uses Standard Perko Strainer Replacement Parts (Gaskets, Cylinders, Nuts and Tie Rods)
- Handle Indicates Flow Direction
- Top Casting Removes Easily for Basket Cleaning
- Reversible Bulkhead Mounting Option
- Smooth Acting, Low Torque Ball Valve
- Internal Cam Seals Fresh Water Intake During Normal (Through Strainer) Operation
- **Can Act as an Emergency Bilge Pump**



MARINE UL LISTED 858E Strainer

Ordering & Tech Info

Pipe Size Inches	Height Overall Inches	Width Overall Inches	Standard Pkg. - 1 Pc.	Dimensions Cylinder Inches	Dimensions Basket Inches	Open Area To Pipe Size Ratio	Weight Pounds	Spare Gasket Kit* Dealer Pkg. - 5 Kts. 1 Kit per Bag
1/2	5-3/4	4-1/2	0593004PLB	3-1/2 x 4	1-13/16 x 4-1/16	30:1	5.9	0493DP599R
3/4	8-3/8	4-1/2	0593005PLB	3-1/2 x 6	1-13/16 x 6-1/4	25:1	6.2	0493DP599R
1	9-1/2	5-1/2	0593006PLB	4-1/2 x 5-1/2	2-5/8 x 5-7/8	20:1	9.1	0493DP799R
1-1/4	10	5-1/2	0593007PLB	4-1/2 x 6	2-5/8 x 6-1/4	13:1	9.1	0493DP799R

Flushing Strainer Spare Parts Ordering Information

Description	Spare Part Code	Sample Part Number	Package	Description	Spare Part Code	Sample Part Number	Package
Handle (Fig. 0805)	99D	080500599D**	Boxed	Sleeve Assy.	99B	059300499B	Boxed
Valve Shaft	99A	059300499A	Boxed	Cover Assy.	99C	059300499C	Boxed

PROP 65 WARNING (Contains Lead)

See Pages C•70 & 71 For Additional Spare Parts Ordering Information and Differential Pressure Graphs.
*Spare Gasket Kit Consists of: 1 Cover Gasket and 2 Cylinder Gaskets.
** For Complete Handle Part Numbers See Fig. 0805 on page C•78.

MADE IN THE USA

Fig. 0456 - FlushPro™ Marine Engine Flushing & Winterizing Valve
Fig. 0457 - FlushPro™ Marine Engine Flushing & Winterizing Kit

CONSTRUCTION:
- Clear Polymer
- Stainless Steel Spring
- Available for Standard 5/8", 1" or 1-1/4" Hose Sizes

PROP 65 WARNING (Contains DINP)

Fig. 0456

Finally! Freshwater Flushing of Your Inboard is as Simple as Connecting a Garden Hose

- Flush your boat engine safely and easily
- Transparent body allows for visual inspection of water flow
- Durable check valve system activated by water pressure from a garden hose
- Check valve automatically shuts off hull intake when water pressure is applied
- Adapter supplied with FlushPro™ makes winterizing your boat easy
- Can be used with onboard generators

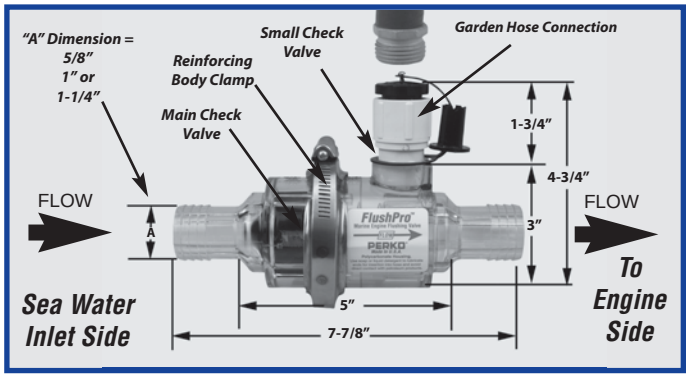
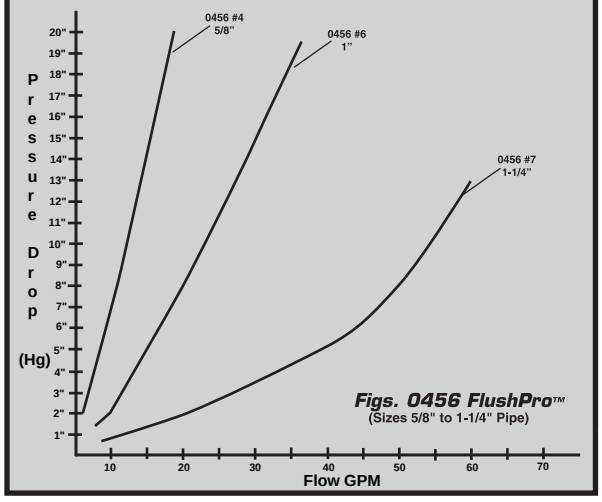
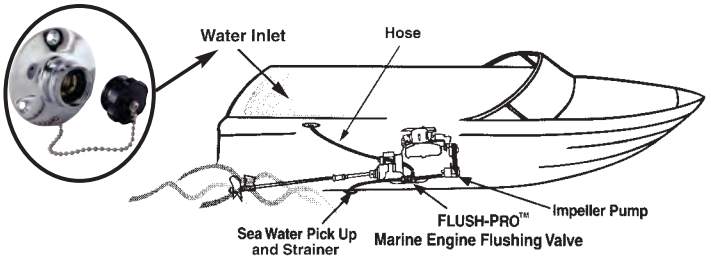


FIG. 0456 - DIFFERENTIAL PRESSURE GRAPH





Hose Fittings and Clamps

Fig. 0457 Kit Includes:

FlushPro™ Valve with Hose Clamps

Water Inlet Fitting

PROP 65 WARNING (Contains Lead)

Ordering & Tech Info

Includes	"A" Dimension For Hose Size Inches	Dealer Pkg. 1 Pc.	OEM Bulk Pkg. 5 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk Pkg.
Valve	5/8	0456DP4	0456004	1.3/3.5
Valve	1	0456DP6	0456006	1.4/3.6
Valve	1-1/4	0456DP7	0456007	1.5/3.7
Valve & Kit	5/8	0457DP4	0457004	2.9/11.5
Valve & Kit	1	0457DP6	0457006	3.0/11.6
Valve & Kit	1-1/4	0457DP7	0457007	3.1/11.7

PROP 65 WARNING (Contains Lead)

Fig. 0065

MARINE UL LISTED 595E Thru-Hull Fitting

Fig. 0065 - Intake Strainer

CONSTRUCTION:

- Cast Bronze
- Machined Slots

Ordering & Tech Info

Max. Pipe Size Inches	Max. Hull Thickness Inches	Dimensions Strainer Inches	Dealer Pkg. 5 Pcs.	OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
1/2	2-1/4	3 x 4	0065DP4PLB	0065004PLB	3.8/7.3
3/4	2-3/16	3 x 4	0065DP5PLB	0065005PLB	5.8/11.3
1	2-1/2	3 x 4	0065DP6PLB	0065006PLB	7.7/15.0
1-1/4	3	3-1/4 x 4-1/4	0065DP7PLB	0065007PLB	9.8/18.4

Screw Size #8.

PROP 65 WARNING (Contains Lead)

Fig. 0066

Screw Size #8

MARINE UL LISTED

Fig. 0066 - Scoop Strainer

CONSTRUCTION:

- Cast Bronze
- Machined Slots

Ordering & Tech Info

For Thru-Hull Sizes Inches	Dimensions Strainer Inches	Dealer Pkg. 5 Pcs.	Standard Package - 5 Pcs.	Ship Wt. Carton Lbs. DP/Std. Pkg.
3/8 & 1/2	3-1/2 x 2-1/2	0066DP1PLB	0066001PLB	2.7/2.6
3/4 & 1	5 x 3-1/4	0066DP2PLB	0066002PLB	4.4/4.3
1-1/4 & 1-1/2	6-1/4 x 4-1/4	0066DP3PLB	0066003PLB	7.4/7.5
2	8 x 5-1/8	0066DP4PLB	0066004PLB	9.7/9.8

PROP 65 WARNING (Contains Lead)

Fig. 0086

* Standard Package - 1 pc.

** Standard Package - 25 pcs.

MARINE UL LISTED

Fig. 0086 - Round Strainer

CONSTRUCTION:

- Cast Bronze
- Drilled Holes

Ordering & Tech Info

For Thru-Hull Size Inches	O.D. Inches	I.D. Inches	Dealer Pkg. 5 Pcs.	Standard Package - 5 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/Std. Pkg.
3/8 & 1/2	2-1/2	1-5/8	0086DP1PLB	0086001PLB	8	1.2/1.2
3/4	3	2	0086DP2PLB	0086002PLB**	8	1.9/8.8
1	3-1/2	2-3/8	0086DP3PLB	0086003PLB	8	1.7/1.7
1-1/4 & 1-1/2	4	3	0086DP4PLB	0086004PLB	8	2.9/2.8
2	5	3-3/4	0086DP5PLB	0086005PLB	8	4.5/4.3
2-1/2	6	4-1/2	----------	0086006PLB*	10	---/1.3
3	8	6-1/4	----------	0086007PLB*	10	---/2.7

PROP 65 WARNING (Contains Lead)

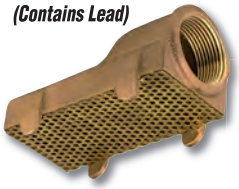


Fig. 0721

Fig. 0722

SPARE PARTS ORDERING INFORMATION

Screen for: Fig 0709: 070900088A
Fig 0721: 072100088A
Fig 0722: 072200088A

Fig. 0709

Fig. 0709 - Pump Strainer for Hose
Figs. 0721 & 0722 - Pump Strainers for Pipe

CONSTRUCTION:

- Cast Bronze

Ordering & Tech Info

Hose Size Inches	Pipe Size Inches	Length Overall Inches	Width Overall Inches	Dealer Pkg. 5 Pcs.	Standard Pkg. 1 Pc.	Ship Wt. Carton Lbs.
5/8	------	3-5/8	1-3/4	0709DP0PLB	----------	2.9
	1-1/4	4-3/4	2-3/4	----------	0721000PLB	1.7
	1-1/4	4-1/2	2-3/4	----------	0722000PLB	1.5

Fig. 0266 - Garboard Drain Plug

PROP 65 WARNING (Contains Lead)

CONSTRUCTION:
- Cast Bronze

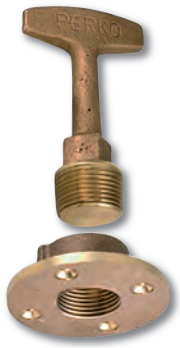


Fig. 0266

MARINE UL LISTED

Ordering & Tech Info

Pipe Size Inches	Length Threaded Neck Inches	O.D. Flange Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
3/4	5/8	2-3/8	0266DP0PLB	0266000PLB	8	4.0/17.7

Spare Plug: 0370DP0PLB.

Fig. 0363 - Garboard Drain Plug

PROP 65 WARNING (Contains Lead)

CONSTRUCTION:
- Cast Bronze

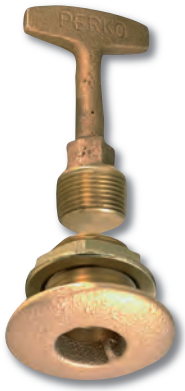


Fig. 0363

MARINE UL LISTED

Ordering & Tech Info

Pipe Size Inches	Maximum Hull Thickness Inches	Length Threaded Neck Inches	O.D. Flange Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
3/4	3/4	1-1/4	2-3/8	0363DP0PLB	0363000PLB	5.2/23.2

Spare Plug: 0370DP0PLB., Nut for Fig. 0363: 0075006DPP

Figs. 0714 & 0737 - Garboard Drain Plugs

PROP 65 WARNING (Contains Lead)

CONSTRUCTION:
- Cast Bronze Flange with Brass Plug

Fig. 0737
Complete with Brass Backing Plate and Fasteners

Fig. 0714

Fig. 0737

MARINE UL LISTED

Ordering & Tech Info

Pipe Size Inches	O.D. Flange Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
1/2	2	0714DP1PLB	0714001PLB	8	1.6/12.9

Pipe Size Inches	Hull Thickness Inches	O.D. Flange Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	Screw Size	Ship Wt. Carton Lbs. Dealer Pack
1/2	7/16	2	0737DP1PLB	8-32	1.9

Spare Plug: 0742DP1

MADE IN THE USA

PROP 65 WARNING
(Contains Lead)

Figs. 0834 & 0835 - Seacocks - Ball Valve Design

Fig. 0834

Fig. 0835

CONSTRUCTION:

- Cast Bronze

Fig. 0834 - With 90° Curved Hose Adapter
Fig. 0835 - With Straight Hose Adapter

Includes Thru-Hull, Hose Adapter, Drain Plug, Four Pre-Drilled Mounting Holes and Bonding Screw.

PERKO Seacocks Incorporate a Polymer Ball and Seat Assuring a Tight Seal and Ease of Operation, and Drain Plugs for Winterizing. Handles are Easily Removed.

MARINE UL LISTED 595E Sea Valve

Ordering & Tech Info

Hose Size Inches	Pipe Size Inches	Flange Dia. Inches	Fig. 0834 Overall Height*	Fig. 0834 Standard Pkg. - 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.	Fig. 0835 Overall Height*	Fig. 0835 Standard Pkg. - 1 Pc.	Bolt Size	Ship Wt. Carton Lbs. Standard Pkg.
3/4	3/4	3-1/4	5-7/8	0834005PLB	3.1	5	0835005PLB	5/16	2.9
1	1	4-3/8	6-3/8	0834006PLB	5.2	5-3/8	0835006PLB	3/8	4.8
1-1/4	1-1/4	4-7/8	7-5/8	0834007PLB	7.2	6-1/4	0835007PLB	3/8	6.7
1-1/2	1-1/2	5-1/2	8-3/8	0834008PLB	9.1	6-5/8	0835008PLB	3/8	8.7
2	2	5-3/4	10-3/8	0834009PLB	15.6	7-7/8	0835009PLB	3/8	14.3
2-1/2	2-1/2	7-1/4	12-1/2	0834010PLB	27.9	10-3/8	0835010PLB	1/2	25.0
3	3	8	14-3/8	0834011PLB	33.4	12	0835011PLB	1/2	30.0

* Overall Height is measured from the top of the hose adapter to the bottom of the flange.

PROP 65 WARNING
(Contains Lead)

Fig. 0805 - Seacock Body - Ball Valve Design

Fig. 0805

MARINE UL LISTED 595E Sea Valve

CONSTRUCTION:

- Cast Bronze

These Valve Bodies are Offered to Meet the Needs of Applications that Require Extra Long, Scoop or Flush Type Thru-Hulls.

Ordering & Tech Info

Flange Diameter Inches	Overall Height Inches*	Pipe Size Inches	Fig. 0805 Standard Pkg - 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
3-1/4	3-3/8	3/4	0805005PLB	2.3
4-3/8	3-3/4	1	0805006PLB	3.9
4-7/8	4-1/4	1-1/4	0805007PLB	5.3
5-1/2	4-1/2	1-1/2	0805008PLB	6.7
5-3/4	5-3/4	2	0805009PLB	11.5
7-1/4	7-1/2	2-1/2	0805010PLB	20.0
8	7-3/4	3	0805011PLB	23.3

* Overall Height is measured from the top of the valve body to the bottom of the flange.

Spare Parts Ordering Information

The Repair Kits Listed Below Consist of: 1 Ball, 2 Ball Seats and 2 O-Rings for the Valve Stem.

Pipe Size Inches	Repair Kit Part No.
3/4	080500599B
1	080500699B
1-1/4	080500799B
1-1/2	080500899B
2	080500999B
2-1/2	080501099B
3	080501199B

Handle	Part No.
Size 5	080500599D
Size 6	080500699D
Size 7	080500799D
Size 8	080500899D
Size 9	080500999D
Size 10	080501099D
Size 11	080501199D

Fig. 0825 - Inline Valve

CONSTRUCTION:

- Cast Bronze
- Drain Plug and Bonding Screw Included
- Ball Valve for Smooth Operation

PROP 65 WARNING (Contains Lead)

Fig. 0825

Ordering & Tech Info

Pipe Size Inches	Standard Package - 1 Pc.	Ship Wt. Carton Lbs. Std Pkg.
1/2	0825004PLB	1.0
3/4	0825005PLB	1.2
1	0825006PLB	1.8
1-1/4	0825007PLB	2.8
1-1/2	0825008PLB	4.1

Fig. 0063 - Pipe to Hose Adapter

CONSTRUCTION:

- Cast Bronze
- Cast Hex for Easier Installation
- Curved 90 Degrees

PROP 65 WARNING (Contains Lead)

Fig. 0063

MARINE UL LISTED

Ordering & Tech Info

Pipe Size Inches	Hose Size Inches	Length Overall Inches	Dealer Pkg. 5 Pcs.	Standard Package 1 Pc.	OEM Bulk Pkg.	OEM Bulk Pkg. Pcs.	Ship Wt. Carton Lbs. DP/Std./OEM Bulk
3/4	3/4	4-1/2	0063DP5PLB	----------	0063005PLB	25	2.1/--/9.1
1	1	4-3/4	0063DP6PLB	----------	0063006PLB	25	3.7/--/16.9
1-1/4	1-1/4	5-1/2	0063DP7PLB	----------	0063007PLB	25	5.5/--/25.3
1-1/2	1-1/2	6	0063DP8PLB	----------	0063008PLB	10	7.5/--/13.5
2	2	7	----------	0063009PLB	0063009PLB	10	--/2.9/27.1
2-1/2	2-1/2	8-1/2	----------	0063010PLB	----------	---	--/3.9/--
3	3	10	----------	0063011PLB	----------	---	--/6.9/--

NOTE: The Above Item Meets the Requirements of U.S.C.G. Safety Standards, January 31, 1977 for Gasoline Fuel Systems, 33 CFR 183.

Fig. 0076 - Pipe to Hose Adapter

CONSTRUCTION:

- Cast Bronze
- Cast Hex for Easier Installation
- Precision Machined Hose Barb

PROP 65 WARNING (Contains Lead)

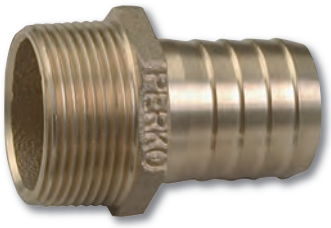


Fig. 0076

MARINE UL LISTED

Ordering & Tech Info

Pipe Size Inches	Hose Size Inches	Length Overall Inches	Dealer Pkg. 5 Pcs.	Standard Pkg. - 1 Pc.	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/Std./OEM Bulk
1/2	5/8	1-5/8	0076DP4PLB	----------	0076004PLB	0.9/--/3.5
3/4	3/4	1-3/4	0076DP5PLB	----------	0076005PLB	1.1/--/4.7
1	1	1-3/4	0076DP6PLB	----------	0076006PLB	1.9/--/7.9
1-1/4	1-1/4	2	0076DP7PLB	----------	0076007PLB	2.6/--/11.9
1-1/2	1-1/2	2-1/4	0076DP8PLB	----------	0076008PLB	3.9/--/18.6
2	2	2-5/8	----------	0076009PLB	0076009PLB	--/1.3/26.7
2-1/2	2-1/2	4	----------	0076010PLB	----------	--/2.0/--
3	3	5-1/8	----------	0076011PLB	----------	--/3.2/--

NOTE: The Above Item Meets the Requirements of U.S.C.G. Safety Standards, January 31, 1977 for Gasoline Fuel Systems, 33 CFR 183.

PROP 65 WARNING
(Contains Lead)

Fig. 0350 - Thru-Hull Connection For Use with Hose**

CONSTRUCTION:

• Cast Bronze

Flange is Machined to Fit Hull and Grooved to Retain Bedding Compound Neck is Threaded to Approximately 3/16 Inch From Flange.

Fits Maximum Hull Thickness up to 2 Inches.

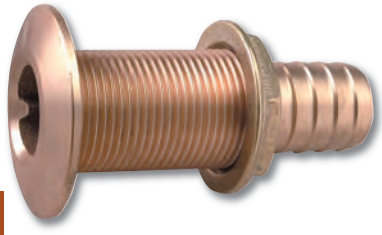


Fig. 0350 Plain

MARINE UL LISTED 595E Thru-Hull Fitting

Illustration Of Bedding Groove

Ordering & Tech Info

Hose Size Inches	Mounting Hole Dia. Inches	Max. Hull Thickness Inches	O.D. Flange Inches	Dealer Pkg. 5 Pcs.	OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
5/8	13/16	1-1/16	1-1/2	0350004DPP	0350004PLB	1.9/3.3
3/4	1	1-5/8	1-7/8	0350005DPP	0350005PLB	2.9/5.5
1	1-5/16	1-3/4	2-1/4	0350006DPP	0350006PLB	4.7/8.6
1-1/8	1-5/16	1-3/4	2-1/4	035006ADPP	035006APLB	4.9/9.0
1-1/4	1-5/8	1-7/8	2-3/4	0350007DPP	0350007PLB	6.6/12.6
1-1/2	1-7/8	1-7/8	3-1/8	0350008DPP	0350008PLB	8.3/15.9
2	2-3/8	2	3-3/4	----------	0350009PLB*	--/2.5

*OEM Bulk Pkg. 1 Pc.

**NOTE: Thru-Hull Connections For Use With Hose Are Not Recommended For Use Below The Waterline Per A.B.Y.C. "Safety Standards For Small Craft" Section H-27.

PROP 65 WARNING
(Contains Lead)

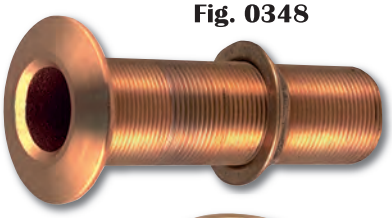
Fig. 0348 - Extra Long Thru-Hull Connection For Use with Pipe

CONSTRUCTION:

• Cast Bronze

Flange is Machined to Fit Hull and Grooved to Retain Bedding Compound. Neck is Threaded to Approximately 3/8 Inch From Flange.

Fig. 0348



MARINE UL LISTED 595E Thru-Hull Fitting

Illustration Of Bedding Groove

Ordering & Tech Info

Pipe Size Inches	Mounting Hole Dia. Inches	Max. Hull Thickness Inches	O.D. Flange Inches	Dealer Pkg. 5 Pcs.	OEM Bulk Package	OEM Bulk Pkg. Qty.	Ship Wt. Carton Lbs. DP/OEM Bulk
3/4	1	5	1-7/8	0348DP5PLB	0348005PLB	25	4.3/19.3
1	1-5/16	4-7/8	2-1/4	0348DP6PLB	0348006PLB	10	5.7/10.9
1-1/4	1-5/8	4-5/8	2-3/4	0348DP7PLB	0348007PLB	10	9.1/17.5
1-1/2	1-7/8	4-5/8	3	0348DP8PLB	0348008PLB	10	10.4/20.1
2	2-3/8	4-1/2	3-5/8	----------	0348009PLB	1	--/2.8
2-1/2	2-7/8	4-1/4	4-5/16	----------	0348010PLB	1	--/3.6

PROP 65 WARNING
(Contains Lead)

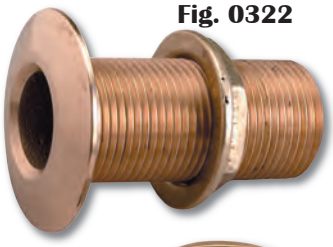
Fig. 0322 - Thru-Hull Connection For Use with Pipe

CONSTRUCTION:

• Cast Bronze

Flange is Machined to Fit Hull and Grooved to Retain Bedding Compound. Neck is Threaded to Approximately 3/8 Inch From Flange.

Fig. 0322



MARINE UL LISTED 595E Thru-Hull Fitting

Illustration Of Bedding Groove

Ordering & Tech Info

Pipe Size Inches	Mounting Hole Dia. Inches	Max. Hull Thickness Inches	O.D. Flange Inches	Dealer Pkg. 5 Pcs.	Standard Pkg. - 1 Pc.	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/Std/OEM
3/8	11/16	1-3/4	1-7/16	0322DP3PLB	----------	0322003PLB	1.7/--/6.9
1/2	13/16	1-3/8	1-1/2	0322DP4PLB	----------	0322004PLB	1.8/--/7.9
3/4	1	1-1/2	1-7/8	0322DP5PLB	----------	0322005PLB	2.4/--/11.6
1	1-5/16	1-7/8	2-3/16	0322DP6PLB	----------	0322006PLB	4.1/--/18.7
1-1/4	1-5/8	2	2-3/4	0322DP7PLB	----------	0322007PLB	6.0/--/28.5
1-1/2	1-7/8	2-1/4	3	0322DP8PLB	----------	0322008PLB*	7.6/--/15.0
2	2-3/8	2-3/8	3-5/8	----------	0322009PLB	0322009PLB*	--/2.1/19.4
2-1/2	2-7/8	2-5/8	4-1/2	----------	0322010PLB	----------	--/2.8/--
3	3-1/2	2-3/4	5	----------	0322011PLB	----------	--/4.6/--

DETERMINING THE HAND OF A LOCK OR LATCH SET

DETERMINING THE HAND OF THE LATCH SET.

When Standing Outside: If the Door Opens Away From You,
You Need a Lock or Latch with a Regular Bevel.
If the Door Opens Toward You, You Need a Lock or Latch with a Reverse Bevel.

Refer to the illustrations below when selecting the proper hand configuration of the lock and latch sets on the following pages.

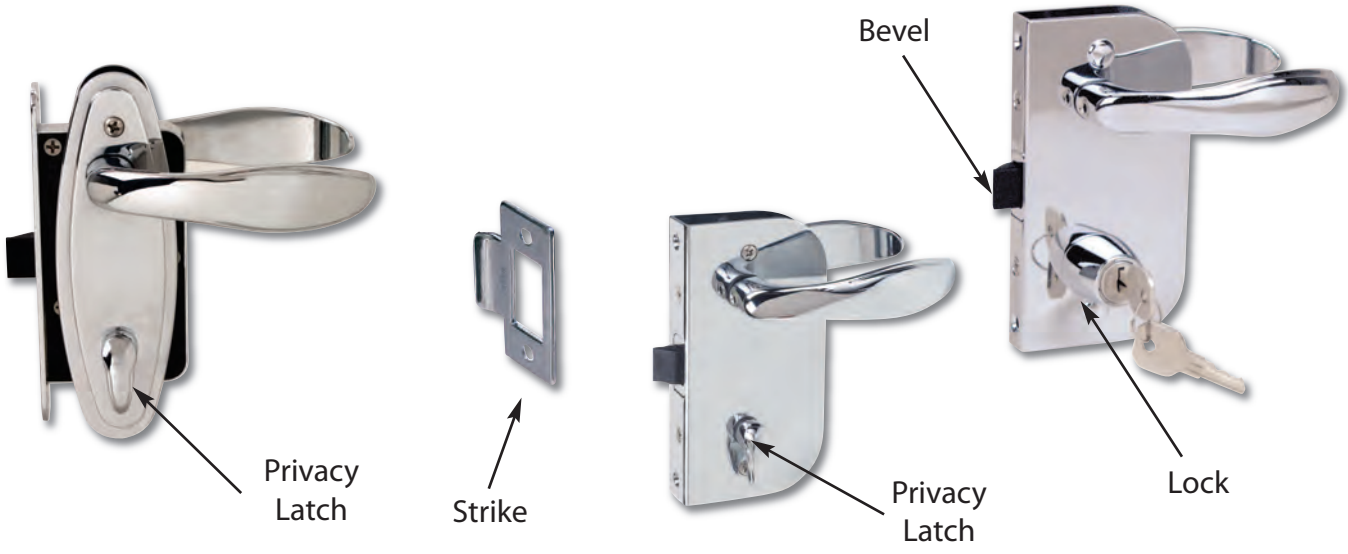
When Standing Outside

A
Lock/Latch Type:
LEFT INWARD
Regular Bevel

B
Lock/Latch Type:
LEFT OUTWARD
Reverse Bevel

C
Lock/Latch Type:
RIGHT INWARD
Regular Bevel

D
Lock/Latch Type:
RIGHT OUTWARD
Reverse Bevel



NOTE: The privacy latch handle should always be mounted on the door's interior side.

MORTISE LATCH AND LOCK SETS

PROP 65 WARNING
(Contains Lead)

Fig. 0730
Mortise Lock

Fig. 0710
Mortise Latch

Fig. 0710 - Full Size Mortise Latch Set
Fig. 0730 - Full Size Mortise Lock Set

With Privacy Lock for Interior Cabins and Head Enclosures

CONSTRUCTION:

- Chrome Plated Brass and Zinc Alloy
- Two Escutcheon Plates
- Overall Height: 5-1/4 Inches
- Fig. 0710 - Safety Unlock from Outside
- Fig. 0730 - Keyed Lock from Outside
- Interior Turn Button Lock Mechanism from Inside

For Door Thickness 3/4 to 1-1/2 Inches
Bevels are Interchangeable.

Ordering & Tech Info

Type	Hand Of Lock/Latch*	For Door Thickness Inches	Std Pkg. 1 Set	Ship Wt. Ctn. Lbs. Standard Pkg.
Latch	A or D	3/4 to 1	0710001LIC	1.5
Latch	A or D	1 to 1-1/4	0710002LIC	1.5
Latch	A or D	1-1/4 to 1-1/2	0710003LIC	1.5
Latch	B or C	3/4 to 1	0710001RIC	1.5
Latch	B or C	1 to 1-1/4	0710002RIC	1.5
Latch	B or C	1-1/4 to 1-1/2	0710003RIC	1.5
Lock	A or D	3/4	0730001LIC	1.7
Lock	A or D	7/8	0730002LIC	1.7
Lock	A or D	1	0730003LIC	1.7
Lock	A or D	1-1/8	0730004LIC	1.7
Lock	A or D	1-1/4	0730005LIC	1.7
Lock	A or D	1-3/8	0730006LIC	1.7
Lock	A or D	1-1/2	0730007LIC	1.7
Lock	B or C	3/4	0730001RIC	1.7
Lock	B or C	7/8	0730002RIC	1.7
Lock	B or C	1	0730003RIC	1.7
Lock	B or C	1-1/8	0730004RIC	1.7
Lock	B or C	1-1/4	0730005RIC	1.7
Lock	B or C	1-3/8	0730006RIC	1.7
Lock	B or C	1-1/2	0730007RIC	1.7

PROP 65 WARNING
(Contains Lead)

Fig. 0706
Mortise Latch
w/o Privacy
Latch

Fig. 0706 - Full Size Mortise Latch Set without Privacy Lock

CONSTRUCTION:

- Chrome Plated Brass and Zinc Alloy
- Two Escutcheon Plates
- Overall Height: 5-1/4 Inches

For Door Thickness 3/4 to 1-1/2 Inches
Bevels are Interchangeable.

Ordering & Tech Info

Type	Hand Of Lock/Latch*	For Door Thickness Inches	Std Pkg. 1 Set	Ship Wt. Ctn. Lbs. Standard Pkg.
Latch	A or D	3/4 to 1	0706001LIC	1.5
Latch	A or D	1 to 1-1/4	0706002LIC	1.5
Latch	A or D	1-1/4 to 1-1/2	0706003LIC	1.5
Latch	B or C	3/4 to 1	0706001RIC	1.5
Latch	B or C	1 to 1-1/4	0706002RIC	1.5
Latch	B or C	1-1/4 to 1-1/2	0706003RIC	1.5

*** Note: Refer to Page C•81 to determine the proper hand of a lock or latch set.**

Fig. 0712 Compact Mortise Latch Set
with Privacy Lock for Interior Cabins and Head Enclosures

CONSTRUCTION:
- Chrome Plated Brass and Zinc Alloy
- Two Escutcheon Plates
- Overall Height: 5-1/4 Inches
- Safety Unlock from Outside
- Interior Turn Button Lock Mechanism from Inside

For Door Thickness 3/4 to 1-1/2 Inches
Bevels are Interchangeable.

Fig. 0712 Compact Mortise Latch

Ordering & Tech Info

Type	Hand Of Lock/Latch*	For Door Thickness Inches	Std Pkg. 1 Set	Ship Wt. Ctn. Lbs. Standard Pkg.
Latch	A or D	3/4 to 1	0712001LIC	1.1
Latch	A or D	1 to 1-1/4	0712002LIC	1.5
Latch	A or D	1-1/4 to 1-1/2	0712003LIC	1.5
Latch	B or C	3/4 to 1	0712001RIC	1.1
Latch	B or C	1 to 1-1/4	0712002RIC	1.5
Latch	B or C	1-1/4 to 1-1/2	0712003RIC	1.5

PROP 65 WARNING (Contains Lead)

Fig. 0716 - Full Size Surface Mount Lock Set

CONSTRUCTION:
- Chrome Plated Brass and Zinc Alloy
- Overall Height: 5-1/4 Inches
- Keyed Lock from Outside
- Interior Turn Button Lock Mechanism from Inside

For Door Thickness 1-1/16 to 1-3/8 Inches
For any other door thickness or other "hands", consult factory for availability.

Fig. 0716 Surface Mount Lock

Ordering & Tech Info

Type	Hand Of Lock/Latch*	For Door Thickness Inches	Std Pkg. 1 Set	Ship Wt. Ctn. Lbs. Standard Pkg.
Lock	D	1-1/16	0716001ROC	1.5
Lock	D	1-1/8	0716002ROC	1.5
Lock	D	1-3/8	0716003ROC	1.5

PROP 65 WARNING (Contains Lead)

*** Note: Refer to Page C•81 to determine the proper hand of a lock or latch set.**

FLUSH MOUNT LATCH AND LOCK SETS

MADE IN THE USA

PROP 65 WARNING
(Contains Lead)

Fig. 0711
Flush Latch
Shown

Fig. 0731
Flush Lock

Fig. 0711 - Full Size Flush Latch Set
Fig. 0731 - Full Size Flush Lock Set

With Privacy Latches for Interior Cabins and Head Enclosures

CONSTRUCTION:

- Chrome Plated Brass and Zinc Alloy
- Overall Height: 5-1/4 Inches
- Fig. 0711 - Safety Unlock from Outside
- Fig. 0731 - Keyed Lock from Outside
- Interior Turn Button Lock Mechanism from Inside

For Door Thickness 1/2 to 3/4 Inch

Ordering & Tech Info

Type	Hand Of Lock/Latch*	For Door Thickness Inches	Std Pkg. 1 Set	Ship Wt. Ctn. Lbs. Standard Pkg.
Latch	A	1/2	0711001LIC	1.5
Latch	A	5/8	0711002LIC	1.5
Latch	A	3/4	0711003LIC	1.5
Latch	B	1/2	0711001LOC	1.5
Latch	B	5/8	0711002LOC	1.5
Latch	B	3/4	0711003LOC	1.5
Latch	C	1/2	0711001RIC	1.5
Latch	C	5/8	0711002RIC	1.5
Latch	C	3/4	0711003RIC	1.5
Latch	D	1/2	0711001ROC	1.5
Latch	D	5/8	0711002ROC	1.5
Latch	D	3/4	0711003ROC	1.5
Lock	A	1/2	0731001LIC	1.6
Lock	A	5/8	0731002LIC	1.6
Lock	A	3/4	0731003LIC	1.6
Lock	B	5/8	0731002LOC	1.6
Lock	B	3/4	0731003LOC	1.6
Lock	B	1/2	0731001LOC	1.6
Lock	C	5/8	0731002RIC	1.6
Lock	C	1/2	0731001RIC	1.6
Lock	C	3/4	0731003RIC	1.6
Lock	D	1/2	0731001ROC	1.6
Lock	D	5/8	0731002ROC	1.6
Lock	D	3/4	0731003ROC	1.6

PROP 65 WARNING
(Contains Lead)

Fig. 0715
Flush Latch
w/o Privacy
Latch

Fig. 0715 Flush Latch Set

Without Privacy Latch for Interior Cabins and Head Enclosures

CONSTRUCTION:

- Chrome Plated Brass and Zinc Alloy
- Overall Height: 5-1/4 Inches
- Safety Unlock from Outside

For Door Thickness 1/2 to 3/4 Inch

Ordering & Tech Info

Type	Type Of Lock/Latch*	For Door Thickness Inches	Std Pkg. 1 Set	Ship Wt. Ctn. Lbs. Standard Pkg.
Latch	A	1/2	0715001LIC	1.5
Latch	A	5/8	0715002LIC	1.5
Latch	A	3/4	0715003LIC	1.5
Latch	B	1/2	0715001LOC	1.5
Latch	B	5/8	0715002LOC	1.5
Latch	B	3/4	0715003LOC	1.5
Latch	C	1/2	0715001RIC	1.5
Latch	C	5/8	0715002RIC	1.5
Latch	C	3/4	0715003RIC	1.5
Latch	D	1/2	0715001ROC	1.5
Latch	D	5/8	0715002ROC	1.5
Latch	D	3/4	0715003ROC	1.5

*** Note: Refer to Page C•81 to determine the proper hand of a lock or latch set.**

Figs. 0918 & 0919 - Rim Lock Sets

CONSTRUCTION:
- Chrome Plated Zinc Alloy
- For Door Thickness 5/8 to 1-3/8 Inches

Fig. 0918 - Regular Bevel with Box Strike
Fig. 0919 - Reverse Bevel with Flush Strike

Locks by Turn Button from Inside or Key from Outside

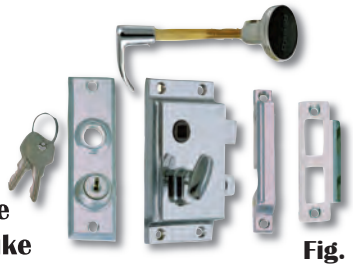


Fig. 0919

Fig. 0918

PROP 65 WARNING (Contains Lead)

Fig. 0918/0919 Shown Assembled

Ordering Info			
Door Bevel/Strike Type	Dealer Pkg. 5 Sets 1 Set per Card	OEM Bulk Pkg. 10 Sets	Ship Wt. Carton Lbs. DP/OEM Bulk
Regular w/Box	0918DP0CHR	0918000CHR	7.0/12.9
Reverse w/Flush	0919DP0CHR	0919000CHR	6.9/12.5

Tech Info

Dimensions Case: 3-7/8" x 2"
Dimensions Escutcheon: 4-3/8" x 1-1/4"
Screw Size: #6

Spare Parts Ordering Information

Box Strike: 091800099A
Flush Strike: 0913DP0CHR
Knob and Handle Assembly: 0962000CHR
Regular Bevel with Cam: 0984000CHR
Reverse Bevel with Cam: 0920DP0CHR
Escutcheon Plate with Keys: 0953000CHR

Fig. 0927 - Mortise Lock Set

CONSTRUCTION:
- Chrome Plated Zinc Alloy

Locks by Turn Button from Inside or Key from Outside
Bevel can be Reversed During Installation

PROP 65 WARNING (Contains Lead)

Fig. 0927 Shown Assembled

Ordering & Tech Info						
For Door Thickness Inches	Dimensions Case Inches	Dimensions Escutcheon Inches	Dealer Pkg. 5 Sets 1 Set per Card	OEM Bulk Pkg. 10 Sets	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
1 to 1-3/8	2-3/4 x 2	4-3/8 x 1-1/4	0927DP0CHR	0927000CHR	6	7.1/13.0

Spare Parts Ordering Information

Spare Flush Strike: 0913DP0CHR
Spare Knob and Handle Assy: 0962000CHR
Bevel with Cam: 0920DP0CHR
Escutcheon Plate with Keys: 092700099B

Fig. 0567 - Tubular Latch Set

CONSTRUCTION:
- Chrome Plated Zinc Alloy
- Sliding Lock Button

PROP 65 WARNING (Contains Lead)

Fig. 0567 Shown Assembled

Ordering & Tech Info						
For Door Thickness Inches	Dimensions Escutcheon Inches	O.D. Tube Inches	Dealer Pkg. 5 Cards 1 Set per Card	OEM Bulk Pkg. 10 Sets	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
1 to 1-3/8	4-3/8 x 1-1/4	3/4	0567DP0CHR	0567000CHR	6	4.5/8.1

Spare Parts Ordering Information

Flush Strike: 0912DP0CHR
Knob and Handle Assembly: 0962000CHR

"T" - HANDLE SURFACE MOUNT LOCK & LATCH

Figs. 1091 & 1092 - Surface Mount Lock & Latch
Fig. 1093 - "T" Handle Flush Pull

(Gasket Included for Smooth Surface Applications)
Toothed Back for Carpet Surface Applications

Fig. 1092 #1
White/Chrome

Fig. 1091 #1
Black/Chrome

Fig. 1091 #1
Black/Black

CONSTRUCTION:

- Black, White or Gray Polymer Body
- Chrome Plated Zinc Alloy, Black or White Polymer "T" Handle
- Stainless Steel Stem

Fig. 1091 - Lock with 2 Keys
Fig. 1092 - Latch (Non-Locking)
Fig. 1093 - Pull

No. 1 with Offset Cam Bar
No. 3 with Straight Cam Bar
No. 4 with Extra Long Offset Cam Bar
No. 5 with Extra Long Straight Cam Bar
No. 6 with Extra Long Offset Cam Bar
No. 7 with Slam Cam Bar

Easily Installs in a 2-1/2 Inch Diameter Hole
For Mounting Surfaces 1/8 to 3/4 Inch Thick
Face Plate Diameter 3"

Mounting Options:

Surface Mount

Upholstery Mount

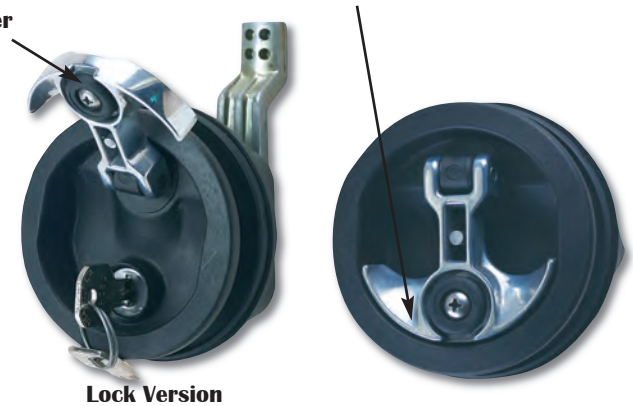
Carpet Mount

The T - Handle Drops Down Flush in Either the Open or Closed (180° Rotation) Position (Except with the Offset Cam Bar Positioned Upward)

Fig. 1092 #1
Gray/Chrome

Latch Version

Rubber Seal



Lock Version

The Rubber Seal & Boot Under the T - Handle Seals the Lock Cylinder Preventing Water Intrusion

Cam Bar Options

Fig. 1093 Pull

No. 1 Offset Cam Bar

No. 3 Straight Cam Bar

No. 4 Extra Long Offset Cam Bar

No. 5 Extra Long Straight Cam Bar

No. 6 Extra Long Offset Cam Bar

No. 7 Slam Cam Bar

MADE IN THE USA

"T" - HANDLE SURFACE MOUNT LOCK & LATCH

Ordering & Tech Info

Type	Body Color	Handle Color	Adjustment Cam Bar Inches	OEM Bulk Pkg. 25 Pcs.	Dealer Pkg. 5 Cds 1 Pc. per Card	Ship Wt. Carton Lbs. OEM Bulk/DP
Lock	Black	Chrome	No Cam Bar	----------	1091DP0BLK*	--/3.5
Lock	Black	Chrome	3/4 to 2-3/8	1091001BLK	1091DP1BLK	15.7/3.9
Lock	Black	Chrome	1-1/4 to 1-7/8	1091003BLK	1091DP3BLK	15.7/4.0
Lock	Black	Chrome	1/2 to 3	1091004BLK	1091DP4BLK	17.2/4.2
Lock	Black	Chrome	1-1/4 to 2	1091005BLK	1091DP5BLK	17.4/4.0
Lock	Black	Chrome	1-1/8 to 2	1091006BLK	1091DP6BLK	17.4/4.1
Lock	Black	Chrome	See Page R•151	1091007BLK	1091DP7BLK	24.0/5.4
Lock	Black	Black	3/4 to 2-3/8	1091B01BLK	----------	13.1/--
Lock	Black	Black	1-1/4 to 1-7/8	1091B03BLK	----------	13.3/--
Lock	Black	Black	1/2 to 3	1091B04BLK	----------	14.9/--
Lock	Black	Black	1-1/4 to 2	1091B05BLK	----------	14.9/--
Lock	Black	Black	1-1/8 to 2	1091B06BLK	----------	14.9/--
Lock	Black	Black	See Page R•151	1091B07BLK	----------	21.4/--
Lock	White	Chrome	No Cam Bar	----------	1091DP0WHT*	--/3.5
Lock	White	Chrome	3/4 to 2-3/8	1091001WHT	1091DP1WHT	15.7/3.9
Lock	White	Chrome	1-1/4 to 1-7/8	1091003WHT	1091DP3WHT	15.7/4.0
Lock	White	Chrome	1/2 to 3	1091004WHT	1091DP4WHT	17.2/4.2
Lock	White	Chrome	1-1/4 to 2	1091005WHT	1091DP5WHT	17.4/4.0
Lock	White	Chrome	1-1/8 to 2	1091006WHT	1091DP6WHT	17.4/4.1
Lock	White	Chrome	See Page R•151	1091007WHT	1091DP7WHT	24.0/5.4
Lock	White	White	3/4 to 2-3/8	1091W01WHT	----------	13.8/--
Lock	White	White	1-1/4 to 1-7/8	1091W03WHT	----------	13.3/--
Lock	White	White	1/2 to 3	1091W04WHT	----------	14.9/--
Lock	White	White	1-1/4 to 2	1091W05WHT	----------	14.9/--
Lock	White	White	1-1/8 to 2	1091W06WHT	----------	14.9/--
Lock	White	White	See Page R•151	1091W07WHT	----------	21.4/--
Lock	Gray	Chrome	3/4 to 2-3/8	1091001GRY	----------	15.7/--
Lock	Gray	Chrome	1-1/4 to 1-7/8	1091003GRY	----------	15.7/--
Lock	Gray	Chrome	1/2 to 3	1091004GRY	----------	17.2/-
Lock	Gray	Chrome	1-1/4 to 2	1091005GRY	----------	17.4/--
Lock	Gray	Chrome	1-1/8 to 2	1091006GRY	----------	17.4/--
Lock	Gray	Chrome	See Page R•151			
Latch	Black	Chrome	No Cam Bar	----------	1092DP0BLK*	--/3.5
Latch	Black	Chrome	3/4 to 2-3/8	1092001BLK	1092DP1BLK	12.8/3.5
Latch	Black	Chrome	1-1/4 to 1-7/8	1092003BLK	1092DP3BLK	14.0/3.7
Latch	Black	Chrome	1/2 to 3	1092004BLK	1092DP4BLK	15.5/4.0
Latch	Black	Chrome	1-1/4 to 2	1092005BLK	1092DP5BLK	14.6/3.8
Latch	Black	Chrome	1-1/8 to 2	1092006BLK	1092DP6BLK	14.6/3.9
Latch	Black	Chrome	See Page R•151	1092007BLK	1092DP7BLK	21.1/5.2
Latch	Black	Black	3/4 to 2-3/8	1092B01BLK	----------	11.4/--
Latch	Black	Black	1-1/4 to 1-7/8	1092B03BLK	----------	11.5/--
Latch	Black	Black	1/2 to 3	1092B04BLK	----------	13.2/--
Latch	Black	Black	1-1/4 to 2	1092B05BLK	----------	12.0/--
Latch	Black	Black	1-1/8 to 2	1092B06BLK	----------	12.0/--
Latch	Black	Black	See Page R•151	1092B07BLK	----------	18.5/--
Latch	White	Chrome	No Cam Bar	----------	1092DP0WHT*	--/3.5
Latch	White	Chrome	3/4 to 2-3/8	1092001WHT	1092DP1WHT	13.8/3.5
Latch	White	Chrome	1-1/4 to 1-7/8	1092003WHT	1092DP3WHT	14.0/3.7
Latch	White	Chrome	1/2 to 3	1092004WHT	1092DP4WHT	15.5/4.0
Latch	White	Chrome	1-1/4 to 2	1092005WHT	1092DP5WHT	14.6/3.8
Latch	White	Chrome	1-1/8 to 2	1092006WHT	1092DP6WHT	14.6/3.9
Latch	White	Chrome	See Page R•151	1092007WHT	1092DP7WHT	21.1/5.2
Latch	White	White	3/4 to 2-3/8	1092W01WHT	----------	11.4/--
Latch	White	White	1-1/4 to 1-7/8	1092W03WHT	----------	11.5/--
Latch	White	White	1/2 to 3	1092W04WHT	----------	13.2/--
Latch	White	White	1-1/4 to 2	1092W05WHT	----------	12.0/--
Latch	White	White	1-1/8 to 2	1092W06WHT	----------	12.0/--
Latch	White	White	See Page R•151	1092W07WHT	----------	18.5/--
Latch	Gray	Chrome	3/4 to 2-3/8	1092001GRY	----------	13.8/--
Latch	Gray	Chrome	1-1/4 to 1-7/8	1092003GRY	----------	14.0/--
Latch	Gray	Chrome	1/2 to 3	1092004GRY	----------	15.5/--
Latch	Gray	Chrome	1-1/4 to 2	1092005GRY	----------	14.6/--
Latch	Gray	Chrome	1-1/8 to 2	1092006GRY	----------	14.6/--
Latch	Gray	Chrome	See Page R•151	1092007GRY	----------	21.1/--

Type	Color Body	Color Handle	Diameter Inches	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. OEM Bulk
Pull	Black	Black	3	1093000BLK	9.0
Pull	Black	Chrome	3	1093000CHR	10.2
Pull	White	White	3	1093000WHT	7.5

* Dealers Order with Cam Bar Assortment: 1091DP099A

SPARE PARTS ORDERING INFORMATION

Old Style Square Shaft Cam Bars
Offset Cam Bar: 109100199A
Straight Cam Bar: 109100399A
Extra Long Offset Cam Bar: 109100499A
Extra Long Straight Cam Bar: 109100599A

Threaded Shaft Cam Bars
Offset Cam Bar: 109100188A
Straight Cam Bar: 109100388A
Extra Long Offset Cam Bar: 109100488A
Extra Long Straight Cam Bar: 109100588A
Extra Long Offset Cam Bar: 109100688A
Slam Cam Bar: 1075007CHR or 1075DP7CHR

RECTANGULAR FLUSH HATCH DOGS

MADE IN THE USA

PROP 65 WARNING
(Contains Lead)

Fig. 0777 - Rectangular Flange Flush Hatch Dog

Fig. 0777F Latch with Concealed Fasteners

CONSTRUCTION:

- Chrome Plated Bronze
- Latch or Locking Versions
- **2 Options**: Flange With Visible Mounting Holes or Smooth Flange with Concealed Fasteners
- Stainless Steel Lock Nuts
- Flush Strike
- O-Ring Seals for Water Resistance
- Does Not Rattle When "Dogged" Down

For Securely "Dogging" (Fastening) Deck Hatches

Fig. 0777FL Lock with Concealed Fasteners

Fig. 0777L Lock with Mounting Holes

Fig. 0777 Latch with Mounting Holes
Shown in Marinium

Detail of Concealed Fasteners Bottom Plate

Ordering Info

Type	Cam Bar Length Inches	Std. Pkg. - 1 Pc. OEM Pkg. - 5 Pcs.	Ship Wt. Carton Lbs. Std. Pkg./OEM
Visible Mounting Holes			
Latch	15/16	0777000CHR	1.2/5.8
Latch	1-1/2	0777001CHR	1.2/5.8
Latch	3	0777002CHR	1.2/5.8
Lock	15/16	0777L00CHR	1.4/6.0
Lock	1-1/2	0777L01CHR	1.4/6.0
Lock	3	0777L02CHR	1.4/6.0
Concealed Fasteners*			
Latch	15/16	0777F00CHR*	1.5
Latch	1-1/2	0777F01CHR*	1.5
Latch	3	0777F02CHR*	1.5
Lock	15/16	0777FL0CHR*	1.7
Lock	1-1/2	0777FL1CHR*	1.7
Lock	3	0777FL2CHR*	1.7

* Std. Pkg 1 Pc.

SPARE PARTS ORDERING INFORMATION
Cam Bar for Size #0: 077700099A
Cam Bar for Size #1: 077700199A
Cam Bar for Size #2: 077700299A

AVAILABLE IN MARINIUM Aluminum-Alloy
For Complete Ordering Info: See Pgs R-183-184

Strike

Tech Info

Max. Hatch Thickness: 2"
Adjustment Cam Bar: 1-1/4" to 2"
Dimensions Face Plate: 3-13/16" x 3"
Screw Size: #8

Cam Bar Options

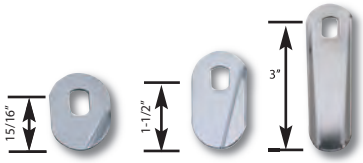


Fig. 0777 #0 Cam Bar | **Fig. 0777 #1 Cam Bar** | **Fig. 0777 #2 Cam Bar**

MADE IN THE USA

Fig. 0778 - Round Flange Flush Hatch Dog

PROP 65 WARNING
(Contains Lead)

CONSTRUCTION:

- Chrome Plated Bronze
- Latch or Locking Versions
- **2 Options**: Flange With Visible Mounting Holes or Smooth Flange with Concealed Fasteners
- Stainless Steel Lock Nuts
- Flush Strike
- O-Ring Seals for Water Resistance
- Does Not Rattle When "Dogged" Down

For Securely "Dogging" (Fastening) Deck Hatches

Fig. 0778FL
Lock with Concealed Fasteners

Fig. 0778L
Lock with Mounting Holes

Fig. 0778
Latch with Mounting Holes

Fig. 0778F
Latch with Concealed Fasteners

Detail of Concealed Fasteners Bottom Plate

Strike

Tech Info

Max. Hatch Thickness: 2"
Adjustment Cam Bar: 1-1/4" to 2"
Diameter Face Plate: 4-3/8"
Screw Size: #8

Ordering Info

Type	Cam Bar Length Inches	Std. Pkg. - 1 Pc.	Ship Wt. Carton Lbs. Std. Pkg.
Visible Mounting Holes			
Latch	1-1/2	0778001CHR	1.4
Latch	3	0778002CHR	1.5
Lock	1-1/2	0778L01CHR	1.6
Lock	3	0778L02CHR	1.7
Concealed Fasteners			
Latch	1-1/2	0778F01CHR	1.6
Latch	3	0778F02CHR	1.6
Lock	1-1/2	0778FL1CHR	1.9
Lock	3	0778FL2CHR	1.9

SPARE PARTS ORDERING INFORMATION
Cam Bar for Size #1: 077700199A
Cam Bar for Size #2: 077700299A

Cam Bar Options

Fig. 0777 #1 Cam Bar

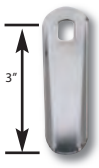


Fig. 0777 #2 Cam Bar

DECK PLATE AND CLEATS

PROP 65 WARNING
(Contains Lead)

Fig. 0526 - Regular Deck Plate

CONSTRUCTION:
- Cast Bronze
- Plain or Chrome Plated
- Deck Plate Key Included

Fig. 0526

Ordering & Tech Info

I.D. Opening Inches	O.D. Overall Inches	Plain Bronze Standard Pkg. - 1 Pc.	Chrome Plated Bronze Standard Pkg. - 1 Pc.	Screw Size	Ship Wt. Carton Lbs. Std. Pkg. PLB/CHR
3	5-3/8	0526003PLB	0526003CHR	10	2.1/2.3
4	7-1/16	0526004PLB	0526004CHR	10	3.6/3.7
5	8-3/8	0526005PLB	0526005CHR	10	5.3/5.6
6	9-3/8	0526006PLB	0526006CHR	1/4	7.5/7.6

SPARE PARTS ORDERING INFORMATION

I.D. Opening Inches	Plain Bronze Cap	Chrome Plated Bronze Cap	Spare Key Only
3	0526P0399A	0526C0399A	1248010ZNC
4	0526P0499A	0526C0499A	0539004PLB
5	0526P0599A	0526C0599A	0539005PLB
6	0526P0699A	0526C0699A	0539006PLB

Fig. 0545 - Cleat

Fig. 0545

CONSTRUCTION:
- Aluminum

Ordering & Tech Info

Base Style	Length Overall Inches	Dimensions Base Inches	Max. Rope Size Inches	Dealer Pkg. 5 Cards 2 Pcs. per Card	OEM Bulk Package	OEM Bulk Pkg. Qty.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
Closed	3	1-1/2 x 5/8	1/4	0545DP3ALU	----------	----	8	1.0/--
Open	4	1-5/8 x 3/4	5/16	0545DP4ALU	----------	----	10	1.2/--
Open	5	2 x 7/8	3/8	0545DP5ALU	----------	----	1/4	1.8/--
Open	6	2-1/4 x 7/8	7/16	0545DP6ALU*	0545006ALU	50	1/4	3.0/10.0
Open	8*	2-5/8 x 1-7/8	5/8	0545DP8ALU*	0545008ALU	25	1/4	4.8/9.0
Open	10*	3-5/8 x 1-1/2	3/4	----------	0545010ALU	5	5/16	--/3.0
Open	12*	4 x 1-1/2	7/8	----------	0545012ALU	5	5/16	--/4.2

* Dealer Package, 10 pcs., 1 Pc. per card.

Fig. 0530 - Open Base Cleat

Fig. 0530

CONSTRUCTION:
- Aluminum

Ordering & Tech Info

Length Overall Inches	Dimensions Base Inches	Max. Rope Size Inches	Standard Package - 1 Pc.	Screw Size	Ship Wt. Carton Lbs. Std. Pkg.
8	4 x 2-1/4	3/4	0530008ALU	1/2	1.2
10	4-1/2 x 3	7/8	0530010ALU	1/2	2.0
12	6-1/2 x 2-7/8	1	0530012ALU	5/8	4.0
15	7 x 3-1/4	1-1/2	0530015ALU	3/4	5.0

MADE IN THE USA

AXE BRACKET, RING BUOY HOLDER, GRAB RAIL POSTS & HOLD DOWN CLAMP

Fig. 0325 - Axe Bracket

CONSTRUCTION:

- Stainless Steel

Ordering & Tech Info

For Blade Width Inches	Standard Pkg. - 10 Sets	Socket Screw Size	Bracket Screw Size	Ship Wt. Carton Lbs. Standard Pkg.
6	0325000STS	10 R.H.	6	3.0

Fig. 0325
Socket & Bracket

Fig. 1017 - Ring Buoy Holder

CONSTRUCTION:

- Chrome Plated or Plain Brass

Ordering & Tech Info

Width Mounting Plate Inches	Height Overall Inches	Chrome Plated Brass Dealer Pkg. - 5 Cards 1 Pc. per Card	Plain Brass Standard Pkg. - 5 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/Std. Pkg.
3	4-1/2	1017DP0CHR	1017000PLB	8	2.9/2.4

Fig. 1017

PROP 65 WARNING
(Contains Lead)

Figs. 0380 & 0380A - Grab Rail Posts

CONSTRUCTION:

- Chrome Plated Bronze
- Hollow, For 1 Inch O.D. Tubing

Ordering Info

Standard Pkg. - 1 Pc.	Ship Wt. Carton Lbs. Standard Pkg.
0380000CHR	0.8
0380A00CHR	0.7

Tech Info

Height Overall: 3-3/8"
O.D. Base: 2-1/2"
Screw Size: #8

Fig. 0380
End Post

Fig. 0380A
Center Post

PROP 65 WARNING
(Contains Lead)

Fig. 1008 - Lockable, Security Hold-Down Clamp

CONSTRUCTION:

- Chrome Plated Bronze
- All Mounting Holes Covered in Closed Position

Fig. 1008

Ordering & Tech Info

Length Closed Inches	Width Overall Inches	Padlock Shank Size Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Screw Size	Ship Wt. Carton Lbs. OEM Bulk
4-1/2	3-3/4	1/4	1008DP0CHR	1008000CHR	8	2.0/8.4

PROP 65 WARNING
(Contains Lead)

HOLD-DOWN CLAMPS, HASP & BARREL BOLTS

Fig. 1112

Fig. 1113

PROP 65 WARNING (Contains Lead)

Fig. 1112 - Flat Mounting Hold-Down Clamp
Fig. 1113 - Right Angle Mount Hold-Down Clamp

CONSTRUCTION:

- Chrome Plated Bronze

Ordering & Tech Info

Length Inches	Width Inches	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
3	1-1/2	1112DP0CHR	1112000CHR	8	2.1/8.8
2-1/2	1-1/2	1113DP0CHR	1113000CHR	8	2.2/9.4

Fig. 0998

PROP 65 WARNING (Contains Lead)

Fig. 0998 - Hasp

CONSTRUCTION:

- Chrome Plated Bronze

Ordering & Tech Info

Length Closed Inches	Width Overall Inches	Padlock Clearance Inches	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
2	1	9/32	0998DP1CHR	0998001CHR	6	1.9/3.9
3	1	9/32	0998DP2CHR	0998002CHR	6	2.0/4.8

SPARE PARTS ORDERING INFORMATION

Chrome Keepers (2 per card): 0959DP0CHR

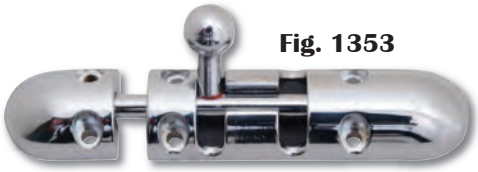


Fig. 1353

Fig. 1354

Fig. 1353 - Slim Barrel Bolt - Visible Mounting Holes
Fig. 1354 - Slim Barrel Bolt - Hidden Mounting Holes

CONSTRUCTION:

- Chrome Plated Zinc Alloy
- Integral Friction Pad Eliminates Rattle and Provides Smooth Operation

Ordering & Tech Info

Dimensions Overall Inches	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
3-3/4 x 3/4	1353DP0CHR	1353000CHR	6	1.0/3.9
3-3/4 x 3/4	1354DP0CHR	1354000CHR	6	1.0/3.9

Bulkhead Keeper

PROP 65 WARNING (Contains Lead)

Fig. 0947

Standard Keeper

Fig. 0947 - Barrel Bolt

CONSTRUCTION:

- Chrome Plated Bronze Body & High Impact Black Nylon Bulkhead Keeper
- 3/8" Diameter Bolt
- Bulkhead Keeper Easily Installs in a 5/8" Hole
- Includes Friction Pad to Eliminate Rattle and Provide Smooth Operation

Dealer Package Includes Both Styles of Keepers.

Ordering & Tech Info

Dimensions Overall Inches	Dealer Pkg. - 5 Cards 1 Pc. per Card	Std. Keeper OEM Bulk Pkg. 25 Pcs.	Bulkhead Keeper OEM Bulk Pkg. 25 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk Std/Bulkhead
3-7/16 x 1-7/16	0947DP1CHR	0947001CHR	0947B01CHR	6	1.8/7.0/5.5
4-5/16 x 1-7/16	0947DP2CHR	0947002CHR	0947B02CHR	6	2.1/9.0/7.6
5-1/4 x 1-7/16	0947DP3CHR	0947003CHR	0947B03CHR	6	2.5/10.6/9.4

Fig. 0956 - Cabin Door Hook

PROP 65 WARNING (Contains Lead)

CONSTRUCTION:

- Cast Bronze
- Plain or Chrome Plated

Fig. 0956

Fig. 0959
Spare Keeper Only

Ordering & Tech Info

Length Hook Inches	Chrome Plated Bronze Dealer Pkg. - 5 Cards 1 Pc. per Card	Chrome Plated Bronze OEM Bulk Pkg. 50 Pcs.	Plain Bronze Standard Pkg. - 5 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk/Std.Pkg.
1-1/2	0956DP1CHR	0956001CHR	0956001PLB	0.9/5.4/0.6
2	0956DP2CHR	0956002CHR	0956002PLB	0.9/5.8/0.7
2-1/2	0956DP3CHR	0956003CHR	0956003PLB	1.0/6.3/0.7
3	0956DP4CHR	0956004CHR	0956004PLB	1.0/6.5/0.8
3-1/2	0956DP5CHR	----------	0956005PLB	1.1/--/0.8
4	0956DP6CHR	0956006CHR*	0956006PLB	1.2/4.7/1.0
5	0956DP7CHR	0956007CHR**	0956007PLB	1.4/1.2/1.1
6	0956DP8CHR	0956008CHR*	0956008PLB	1.7/5.8/1.3

*OEM Bulk Pkg. - 25 Pcs.
** 5 Pcs.
Screw Size #6.

SPARE PARTS ORDERING INFORMATION
Bronze Keepers (2 per card): 0959DP0PLB
Chrome Keepers (2 per card): 0959DP0CHR
Chrome Keepers OEM Bulk (100 pcs.): 0959000CHR

Fig. 1106 - Utility Hook

CONSTRUCTION:

- Chrome Plated Zinc Alloy

Fig. 1106

Ordering & Tech Info

Projection Inches	Width Base Inches	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
3/4	1	1106DP0CHR	1106000CHR	6	1.0/2.8

Fig. 0975 - Utility Hook

CONSTRUCTION:

- Chrome Plated Zinc Alloy

Fig. 0975

Ordering & Tech Info

Projection Inches	Width Base Inches	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
2	1-1/8	0975DP1CHR	0975001CHR	6	1.1/3.2
3	1-1/4	0975DP2CHR	0975002CHR	6	1.5/4.6

Fig. 0610 - Utility Hook

CONSTRUCTION:

- Chrome Plated Zinc Alloy

Fig. 0610

Ordering & Tech Info

Projection Inches	Width Base Inches	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Screw Size	Ship Wt. Carton Lbs. DP/OEM Bulk
1-3/8	1-1/8	0610DP0CHR	0610000CHR	6	0.9/2.2

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Blue = Added

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0730	C•	82
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