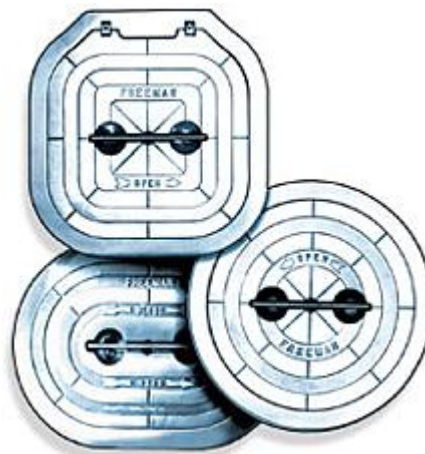


**THE FIRST NAME IN PERFORMANCE, EXPERIENCE & SERVICE FOR WATERTIGHT DECK HATCHES**

**FREEMAN MARINE 2400 Series Cast Hatches** are specified and used on a wide variety of yachts, fishing boats, tugs, barges, research vessels, offshore tenders, rescue craft and other workboats. The FREEMAN hatch is designed for new boats, for replacing other hatches in standard openings, or for improving existing craft. They can be installed in any deck style or material using stock or custom deck rings.

**Top Value**  
**Value Added**  
**Fast Acting**  
**Positive Dogging**  
**Unlocking**  
**Handle Stays Put**  
**Hatch Sealed**

**Unique**  
**Easy Lift**  
**Watertight**  
**Versatile**  
**Reliable**  
**Low Maintenance**  
**Customer Approvals**



*More models of the best flush watertight deck hatch than any other manufacturer in the world.*



- Top Value**  
 A FREEMAN Cast Hatch is the best buy for every flush hatch application. Measure it against any other hatch for long life of materials, strength of design, precision fit, smooth action, dependable mechanism, and built-in, never-lost handle.
- Approvals**  
 Lloyd's Register - type approval certificate number 3/00088. U.S. Coast Guard, CE, ISO-12216 compliant. ABS, Bureau Veritas and Germanischer Lloyd's approvals have been awarded and may be obtained for specific intended uses. Freeman Cast Hatches are currently in use on Coast Guard vessels and U.S. Naval craft of all types.
- Value Added**  
 Yacht-quality linear polyurethane, and anodized finishes available.
- Fast Acting**  
 Lift the flush handle, make a quarter turn and lift. That's all it takes. The dogging mechanism and linked handle do the work smoothly in just a second.
- Positive Dogging**  
 Evenly spaced dogging arms (either 3, 4 or 8 per hatch)

**TECH NOTES - 2400 SERIES CAST HATCHES**

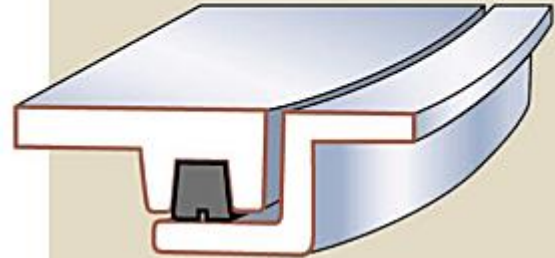
- FLUSH
- QUICK ACTING
- WATERTIGHT
- UNIFORM CLAMPING
- QUARTER TURN ACTUATION
- INSTALLS IN ANY TYPE DECK
- LIFT OUT
- HINGED-SURFACE AND CONCEALED YOKE TYPES
- POSITIVE DOGGING

exert uniform pull on the cover plate. Handle position shows when dogging arms are engaged or loose.

- **Unlocking**  
Simply grasp the handle and pull, the shaft slides up into place, and with less than a quarter of a turn the locking mechanism completely disengages. It's a matter of one or two seconds.
  - **Handle Stays Put**  
The handle is built in - permanently part of the hatch so it's right where you need it every time. Can't get lost.
  - **Hatch Sealed**  
Hatch and handle fit flush with the deck, the handle in recessed lock position. Say goodbye to lost cover wrenches - the FREEMAN Cast Hatch handle is always there when you need it.
  - **Unique**  
Developed and manufactured under various patents by FREEMAN MARINE.
  - **Easy Lift**  
With the locking mechanism disengaged, the hatch is merely resting on the deck ring and can be lifted out with one hand. Closing is just as quick and easy. Optional inside escape handle performs the same easy way with a push and turn from below.
  - **Watertight**  
Designed to seal to 30-foot intermittent head, the double-sealing gasket actually seals tighter under pressure.
  - **Versatile**  
Installs in steel, aluminum, wood or fiberglass decks. Complete unit includes aluminum or steel mounting ring for bolting or welding installations.
  - **Reliable**  
The unique design, fit, finish and adjustability of the dogging mechanism assures smooth, consistent action - no binding or jamming of parts. This hatch, adjusted to proper tensions, can't be over or under tightened by mistake. It operates the same each time.
  - **Low Maintenance**  
All parts are made of superior materials designed especially for marine and other abusive environments. The hatch and most parts are corrosion resistant aluminum. All other components are stainless steel, acetal or compatible.
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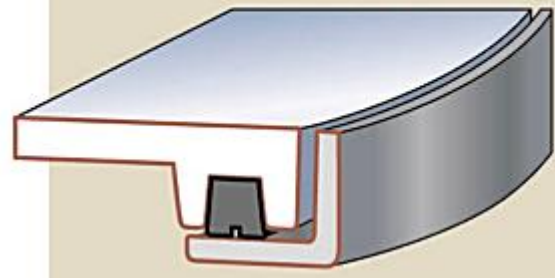
## KNIFE EDGE OR COMPRESSION?

### Compression Seal w/Aluminum Deck Ring



- Compression Seal 2400 Series Hatches have easy-to-clean spigots, feature long gasket life, and are economical to purchase.
- Aluminum Deck Rings are intended to be weld installed into aluminum decks and bolt installed into other deck materials.
- Steel Deck Rings are to be weld installed into steel decks only.
- Watertight seal intermittent to 30 foot head, continuous 10 foot head top-loaded pressure (on properly installed and adjusted hatch assemblies).
- Specify any special performance criteria and/or certification requirements at time of order.

### Compression Seal w/Steel Deck Ring





This 2435-Series (above) (19" x 26") flush-top cast hatch features a watertight, knife edge sealing edge with integral gutter. When closed, the hatch provides a totally flush deck surface. It has been custom assembled with a concealed, below deck yoke hinge and integral hold open.

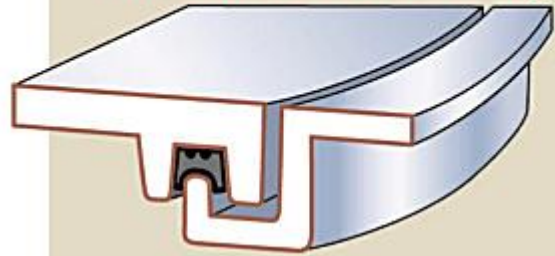


Easily recognized by its "commercial look" this 2466-Series hinged cast hatch with integral T-handle has been painted by FREEMAN to yacht quality standards. It makes a handsome, purposeful statement about its function of providing security at sea.



With a smooth, flush top the 2486-Series 22" round cast hatch makes an economical chain locker, machinery access or escape way. The removable bayonet T-handle allows positive latching and lifting; the yoke hinge includes an integral hold-open feature.

### Knife Edge Seal w/Aluminum Deck Ring



- Knife Edge Seal 2400 Series Hatches feature a coaming with drain gutter and an aggressive sealing rim edge. A drain fitting can be installed to minimize water from entering enclosure when hatch is initially opened.
- Aluminum Deck Rings are intended to be weld installed into aluminum decks and bolt installed into other deck materials.
- Steel Deck Rings are to be weld installed into steel decks only.
- Specify any special performance criteria and/or certification requirements at time of order.

### Knife Edge Seal w/Steel Deck Ring

