

Fitting and operating manual for Prestige portholes

Congratulations on choosing our Prestige porthole. You have purchased a quality product that has been designed with great attention to detail and will give you many years of pleasurable use.

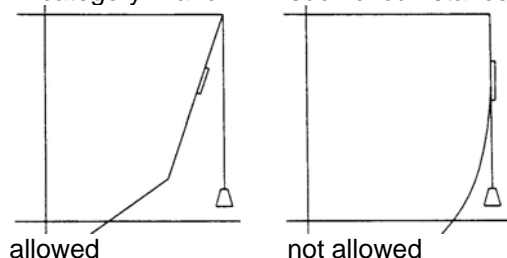
Safety

First of all a warning: never set sail on open water with open portholes. Check that these are all closed before setting sail!

Application

Rhigo Prestige portholes are CE-approved. This means they comply with the requirements as stated in NEN-EN-ISO standard 12216.

- Approved for class A (sea-going) to maximum hull length 24 m.
- For fitting in area I (starboard and port sides of the hull) provided that the bottom of the porthole is at least 200 mm above the waterline.
- The porthole must not project outside the imaginary vertical line relative to the hull when used in design category A and B. In such circumstances the porthole must be fitted further in. See the sketch below.



Installation

It is very easy to fit your Prestige porthole, but do take note of the following points:

- First check that the opening in the ship's side in which the porthole is to be fitted is the correct size (see the drawing with the dimensions), a tolerance of between 0 and 1 mm larger opening is allowed. **If the opening is bigger than this the porthole may not seal properly to the ship's side with possible leakage as result.**
- The surface in which the porthole is to be screwed must be flat. If the surface is not flat there will then be gaps between the flap and the part on the wall which will result in leakages.
- A packing must be fitted between the ship's side and the porthole. A compression sealing tape is best for this. Silicone sealants have the disadvantage that they stick to the porthole making it very difficult to remove should this be necessary, and silicone sealants also make paint adhere less well later on. Compression sealing tape can be compressed as the name suggests, and does not have these disadvantages. The portholes can easily be removed if required even after being in place for years, for example for painting the ship.
- Use screws of the correct length for fixing the Prestige porthole (see the table below). **Attention: if you use bolts that are too long, you will damage the outer surface of the porthole.**

Wall thickness	Screw length
4 - 5 mm	12 mm
6 - 10 mm	16 mm
11 - 15 mm	20 mm
16 - 19 mm	25 mm
20 - 22 mm	30 mm

- Before fitting the screw grease the thread with a little liquid paraffin to reduce the risk of corrosion occurring in the screw hole and to make it easier to remove the screws later on should that ever be necessary.

The head of the screws can still be seen after they have been fitted. If you would rather cover up the screws fit plastic washers on the screw that allow a plastic cover to be pushed on after the screw is tightened up. These can be purchased in hardware stores.

- Remove the protective film from the acrylic. Do this before the porthole is exposed to daylight.
Exposure to sunlight causes the film stick to the acrylic.

Testing the porthole for watertightness

After installation in the ship's side a check must still be made to see that the porthole is watertight (despite the CE-approval) according to the method and test results as stated in NEN-EN-ISO standard 12216 (see Annex D D.1.3.3, D.1.4.1 and D.1.4.2).

Maintenance

- The hinges must never be greased! We use hinges with adjustable friction force. These must never be lubricated. If the hinges are greased they will lose their working and the porthole will no longer remain open at any desired position.
- The best way of maintaining the aluminium is to use liquid paraffin. Never use alkaline cleaners, like soda.
- The PMMA plastic glazing is easily scratched. Therefore, use a soft cloth for cleaning.
- The plastic glazing is damaged by the use of chemicals like: alcohol, thinner, petrol, glass-sprays, cleaning spirit, soda, and ammonia. These substances damage the glazing's surface. Only use lukewarm water with a little synthetic washing up liquid.

Technical details:

Order no.	Description
n/a.	Material of outer frame, opening flap and inner frame: sea-water proof aluminium
n/a.	Surface treatment: anodised or coated in RAL colour
n/a.	Glazing: standard 8 mm thick grey acrylic (PMMA)
RU33	Sealing rubber for glazing
PA08	Eye bolt M8 stainless steel
PA03	Butterfly knob black
PA04	Butterfly knob grey
RA46	Round knob black
RA41	Round knob grey
BM270	Locking screw head eye bolt M4 x 10
RU85	Sealing tape for between ship's side and porthole 12 x 3 mm. Available in 25 m rolls

EU declaration of conformity with the European Directive on Recreational Craft. (Directive 94/25/EC, dated 16 June 1994).

Manufacturer:

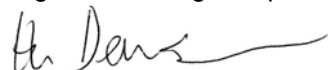
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Hereby declares that the Rhigo Prestige portholes comply with the provisions of the directive (Directive 94/25/EC, dated 16 June 1994), in particular with the provisions of ISO standard 12216 that are relevant to these recreational craft according to the European Directive on Recreational Craft. Applicable modules: B and C.

Signed at Bergen op Zoom, 1 January 2006



H. van Deursen
General manager

Article numbers:

PV05.10.001 - PK05.10.001
PV05.10.002 - PK05.10.002
PV05.10.003 - PK05.10.003
PV05.10.601 - PK05.10.601
PV05.10.602 - PK05.10.602
PV05.10.701 - PK05.10.701

Reference numbers EG-type certification:

CE-RCD-572 through 581.