

*) to be cut into deck for free roll & pitch
*) für Neigungsfreiheit ausschneiden

Range of Delivery

- Steering compass type/21 (card \varnothing 160 mm) with illumination element from below
- Mounting ring with suspensions
- Hood with window

Place of Installation

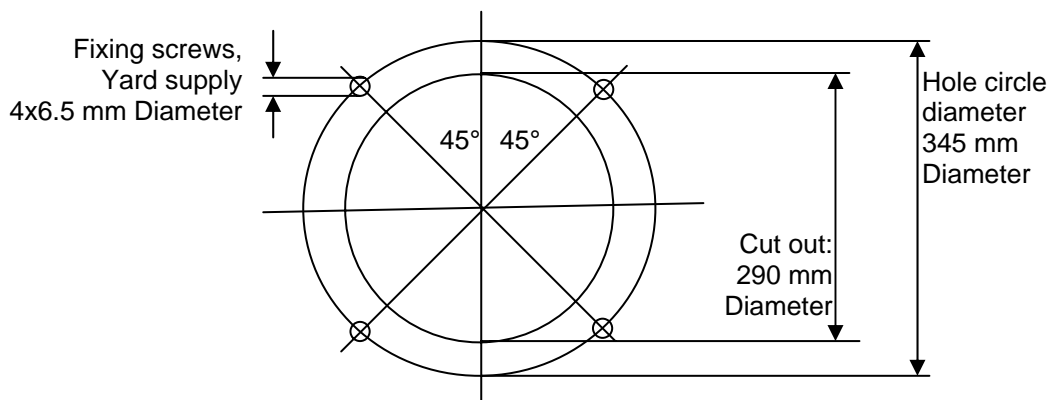
Magnetic fields caused by the steel hull of the vessel deflect the compass indication from north direction. Therefore the following rules have to be watched when choosing the compass location. Please contact your maritime authority to clarify definitely:

- The distance between any magnetic material and the compass has to be between 1.5 m and 4 m depending on the ship's length.
- The compass cannot work satisfactory when installed inside the steel hull or superstructure.
- Different navigation instruments are sources of magnetic fields. Therefore all these instruments are individually measured and marked with the magnetic compass safe distance.

Detailed informations for compass location and safe distance can be found in IMO Resolution A.382(X) and other publication of the national maritime authority.

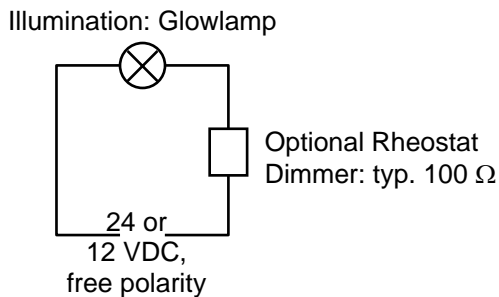
Installation of Compass

Dimensions of drillings for mounting see below. Furthermore a cut out is necessary to allow the compass swinging.



Illumination

The illumination element is glued to the bottom cover glass of the compass. Connection can be made independent of polarity of the battery. Use 24 or 12 VDC supply voltage as ordered. The 24 VDC element can be identified by a red marking at the cap.



Compass Adjustment

It is necessary and obligatory to carry out compass adjustment after installation on basis of the above mentioned safe distances. Compensation eliminates residual interfering magnetic fields. It will be done by a professional compass adjuster. Ask your national maritime authority for addresses. In addition there is a periodical re-adjustments necessary. A usual time periode is two years. In the event of lightning struck, melting works or similar a re-adjustment is necessary, too. The deviation should be watched continuously to grant safe operation! For special requirements please ask your maritime authority.

A description how to install and how to use the correctors is attached to theses. For professional applications the following correctors are necessary:

- B+C-Correctors (C&P order No. 18100),
- D-Corrector (C&P order No. 12200) and
- Heeling corrector (C&P order No. 12800).

Operation

The heading reading is done at the ahead lubber mark of the compass. Note that this heading is not the true as required for navigation. To convert one has to consider the residual deviation and the local variation!

Maintenance

According to international regulations compasses require periodically service. The national maritime authority will give further informations. In addition in case the compass seems to be damaged a service is necessary.

From time to time the compass bearings should be lubricated to allow free swinging.



*Manufacturers
of Nautical Instruments*

Am Lunedeich 131 (Kompasshaus)
D-27572 Bremerhaven, Germany
Tel.: +49 (0)471 483 999 0
Fax: +49 (0)471 483 999 10
sales@cassens-plath.de
www.cassens-plath.de