

S28

(May
2003)
(Rev.1
July
2004)
(Rev.2
Sept
2005)
(Rev.3
May
2010)

Requirements for the Fitting of a Forecastle for Bulk Carriers, Ore Carriers and Combination Carriers

S28.1 Application and definitions

These requirements apply to all bulk carriers, ore carriers and combination carriers, as defined in UR Z11, which are contracted for construction on or after 1 January 2004.

Such ships are to be fitted with an enclosed forecastle on the freeboard deck.

The required dimensions of the forecastle are defined in S28.2.

The structural arrangements and scantlings of the forecastle are to comply with the relevant Society's requirements.

This UR does not apply to CSR Bulk Carriers.

S28.2 Dimensions

The forecastle is to be located on the freeboard deck with its aft bulkhead fitted in way or aft of the forward bulkhead of the foremost hold, as shown in Figure 1.

However, if this requirement hinders hatch cover operation, the aft bulkhead of the forecastle may be fitted forward of the forward bulkhead of the foremost cargo hold provided the forecastle length is not less than 7% of ship length abaft the forward perpendicular where the ship length and forward perpendicular are defined in the International Convention on Load Line 1966 and its Protocol 1988.

The forecastle height H_F above the main deck is to be not less than:

- the standard height of a superstructure as specified in the International Convention on Load Line 1966 and its Protocol of 1988, or
- $H_C + 0.5$ m, where H_C is the height of the forward transverse hatch coaming of cargo hold No.1,

whichever is the greater.

Note:

1. The "contracted for construction" date means the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. For further details regarding the date of "contract for construction", refer to IACS Procedural Requirement (PR) No. 29.

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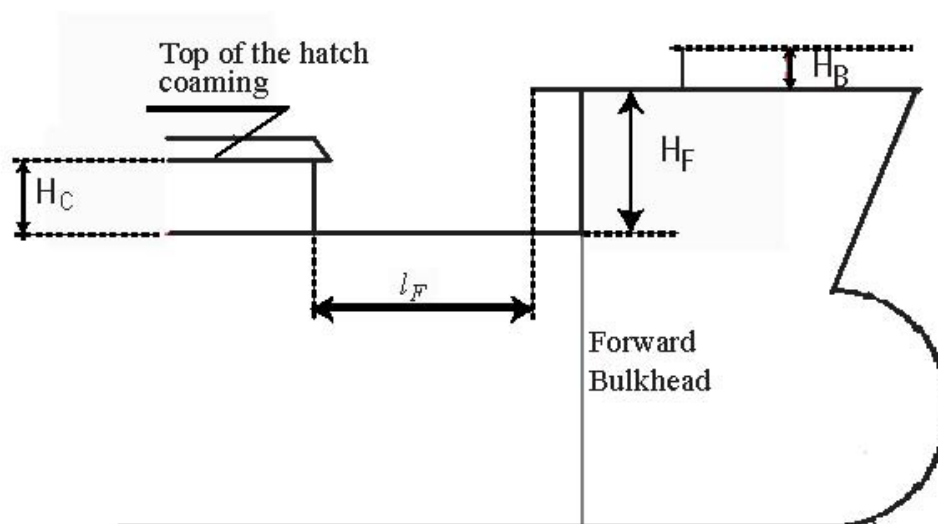
All points of the aft edge of the forecastle deck are to be located at a distance l_F :

$$l_F \leq 5\sqrt{H_F - H_C}$$

from the hatch coaming plate in order to apply the reduced loading to the No.1 forward transverse hatch coaming and No.1 hatch cover in applying S21.4.1 and S21.5.2, respectively, of UR S21(Rev.3).

A breakwater is not to be fitted on the forecastle deck with the purpose of protecting the hatch coaming or hatch covers. If fitted for other purposes, it is to be located such that its upper edge at centre line is not less than $H_B / \tan 20^\circ$ forward of the aft edge of the forecastle deck, where H_B is the height of the breakwater above the forecastle (see Figure 1).

Figure 1



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