

Thickness Tolerances of Rolled Steels

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part K
Guidance for the Survey and Construction of Steel Ships Part K

Reason for Amendment

In October 2009, IACS adopted an amendment of Unified Requirement (UR) W13 related to the minus thickness tolerances of steel plates and wide flats and implemented it on 1 January 2011 as IACS UR W13 (Rev.4). This revised version newly stipulated that the average thickness of steel is to be not less than its nominal thickness; moreover, it also stipulated that application of *ISO 7452* was to be accepted as equivalent to the application of the new requirement.

However, since there is the provision to permit minus tolerances in *ISO 7452*, IACS reviewed the UR again, and further amended it in order not to permit minus tolerances even in cases where *ISO 7452* is applied, and adopted it as UR W13 (Rev.5). Additionally, the amendment also clarified the application of the UR to flat bars.

Accordingly, the relevant requirements were amended in accordance with IACS UR W13 (Rev.5).

In addition, thickness measuring points for flat bars which were not in the scope of the application of UR W13 were specified.

Outline of Amendment

- (1) Requirements for the minus thickness tolerances where *ISO 7452* is applied were amended.
- (2) Requirements for the average thickness tolerances applicable to flat bars with widths of 600 *mm* or greater were specified.
- (3) Thickness measuring points for flat bars with widths of greater than 150 *mm* and less than 600 *mm* were specified.