

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

IACS Unified Requirement (UR) W13 (Rev.5), which covers the thickness tolerances of steel plates and flat bars, specifies that the average thickness of plates and flat bars is not to be less than the nominal thickness and specifies the minus tolerances. In addition, the UR also specifies that the application for Class C of ISO 7452 is deemed to be equivalent to the above requirements.

Since a footnote specifying that the minus average thickness is deemed appropriate is included in this ISO, the UR clarified that this footnote is not applicable. The footnote, however, was deleted when ISO 7452 was amended in 2013; IACS, therefore, accordingly amended the UR to delete any mention of the footnote.

In addition to above amendment, IACS reviewed the application of the tolerances of extremely thick steel plates used for lifting appliances. IACS then adopted a revised version of the UR as UR W13 (Rev.6). Accordingly, all relevant requirements were amended based upon IACS Unified Requirements W13 (Rev.6).

Outline of Amendment

- (1) Amended references made to ISO 7452:2013 and deletes requirements related to the footnote specified in ISO 7452.
- (2) Specified that a treatment of the thickness tolerances of extremely thick steel plates used for lifting appliances which differs from the requirements specified in the current Rules may be accepted in some cases.
- (3) Clarified requirements related to the minus tolerance for the nominal thickness of the base metal for stainless clad steel plates.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part K: 3.1.8
Guidance for the Survey and Construction of Steel Ships
Part K: K3.1.8, K3.9.9