

Thickness Tolerances of Rolled Steels

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part K

Reason for Amendment

In October 2009, IACS adopted an amendment to Unified Requirement (UR) W13 related to the minus thickness tolerances of steel plates and wide flats as IACS UR W13(Rev.4). This revised version newly stipulated that the average thickness of rolled steels for hulls or high strength quenched and tempered rolled steel plates for structures is not to be less than nominal thickness as well as the procedures for measuring the average thickness.

Then, IACS examined the requirements related to plate thickness measurement points in cases where a steel plate is cut into pieces by manufacturers during the rolling process after it has been rolled and a draft UR W13(Rev.5) was created in order to provide further clarification to the above. The details of this draft version have already been introduced into the NK Rules.

Work on the draft IACS UR W13(Rev.5) continued and an example figure was added as a reference for cases where there are no thickness measurement points at all for steel cut into smaller pieces and the final version of the draft was adopted by IACS as UR W13(Rev.5) in February 2012.

Accordingly, relevant requirements were amended in order to add the example figures specified in IACS UR W13(Rev.5).

Outline of Amendment

An example figure were added for those cases where there are no thickness measuring points at all for rolled steels for hulls or high strength quenched and tempered rolled steel plates for structures which are cut into smaller pieces after rolling.