
RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

RULES

Part K

Materials

2012 AMENDMENT NO.1

Rule No.29 15th June 2012

Resolved by Technical Committee on 10th February 2012

Approved by Board of Directors on 6th March 2012

AMENDMENT TO THE RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

“Rules for the survey and construction of steel ships” has been partly amended as follows:

Part K MATERIALS

Chapter 3 ROLLED STEELS

3.1 Rolled Steels for Hull

3.1.8 Surface Inspection and Verification of Dimensions

Sub-paragraph -2 has been amended as follows.

2 The minus tolerance in the nominal thickness of ~~plates~~ steels is to be in compliance with the requirements specified in **Table K3.7**. However, the average thickness of plates and the average thickness of flat bars with widths of 600 mm or greater is not to be less than the nominal thickness.

Table K3.7 has been amended as follows.

Products ⁽¹⁾	Minus tolerance (mm)
Steel plates, <u>flat bars with widths of 150 mm or greater</u>	0.3 and under
Others	At the discretion of the Society

~~Notes:~~

~~(1) Steel plates are included flat bars of which width are not less than 150mm.~~

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 15 June 2012.

GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part K

Materials

GUIDANCE

2012 AMENDMENT NO.1

Notice No.43 15th June 2012

Resolved by Technical Committee on 10th February 2012

AMENDMENT TO THE GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

“Guidance for the survey and construction of steel ships” has been partly amended as follows:

Part K MATERIALS

K3 ROLLED STEELS

K3.1 Rolled Steels for Hull

Paragraph K3.1.8 has been amended as follows.

K3.1.8 Surface Inspection and Verification of Dimensions

The treatment of the requirements in **3.1.8, Part K of the Rules** is to be as follows:

- (1) In the application of **3.1.8-2, Part K of the Rules**, thickness measuring ~~may be conducted for each steel plate rolled directly from a steel slab or steel ingot, and thickness measuring locations are to comply with the following~~ locations are to be as follows:
 - (a) Flat bars with widths of 600 mm or greater and plates
 - ~~(a)~~i) At least two lines among Line 1, Line 2 or Line 3, as shown in **Fig. K3.1.8-1**, are to be selected for the thickness measurements and at least three points on each selected line, as shown in **Fig. K3.1.8-1**, are to be selected for thickness measurement. If more than three points are taken on each line the number of points is to be equal on each line.
 - ~~(b)~~ii) For automated methods, the measuring points at sides are to be located not less than 10 mm but not greater than 300 mm from the transverse or longitudinal edges of the product.
 - ~~(c)~~iii) For manual methods, the measuring points at sides are to be located not less than 10 mm but not greater than 100 mm from the transverse or longitudinal edges of the product.
 - iv) The above i) to iii) may be applied to a product rolled directly from one slab or steel ingot even if the product is to be later cut by the manufacturer. Examples of the original measurements relative to later cut products are shown in **Fig. K3.1.8-2**.
 - (b) Flat bars with widths of greater than 150 mm and less than 600 mm
 - i) Random locations whose distance from a longitudinal edge is to be at least 10 mm. However, local surface depressions resulting from imperfections (such as an affected part of shearing) and ground areas resulting from the elimination of defects may be disregarded.
 - (c) Other
 - i) As deemed appropriate by the Society.
- (2) The average thickness of plates specified in **3.1.8-2, Part K of the Rules** is defined as the arithmetic mean of the measurements made in accordance with the requirements of (1)(a) above.
- (3) “When deemed appropriate by the Society” specified in **3.1.8-5, Part K of the Rules**, means that plates comply with requirements for Class C of *ISO 7452*. If Class C of *ISO 7452* is applied, the portion of the footnote of *ISO 7452*, Table B.2, which reads “Also a minus side of

thickness of 0.3 mm is permitted.” is not to be applied. Additionally, if ISO 7452 is applied, it is required that the steel mill demonstrate to the satisfaction of the Society that the number of measurements and measurement distribution is appropriate to establish that the mother plates produced are at or above the specified nominal thickness.

Fig. K3.1.8-1 has been amended as follows.

Fig. K3.1.8-1 Locations of Thickness Measuring Points

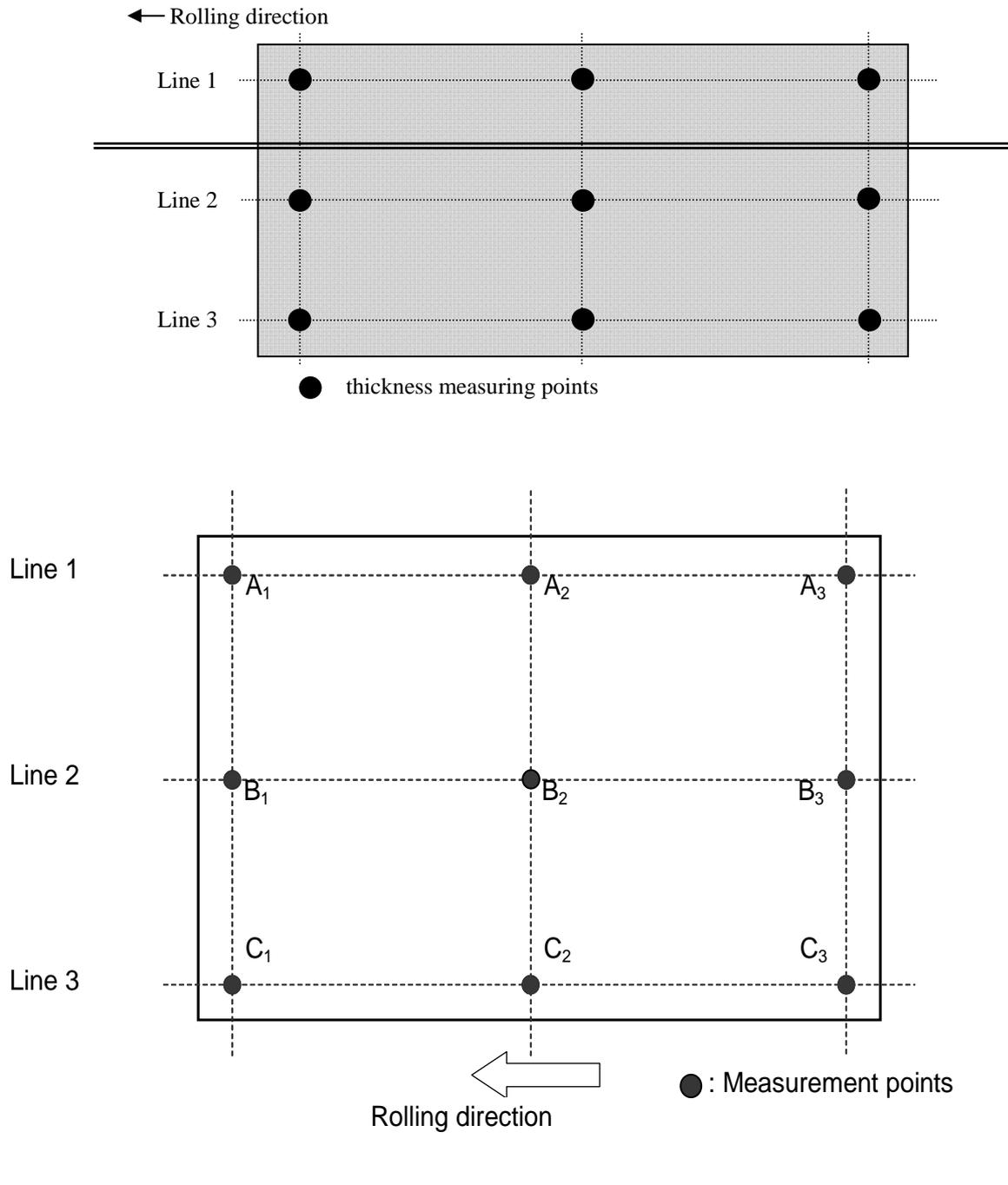
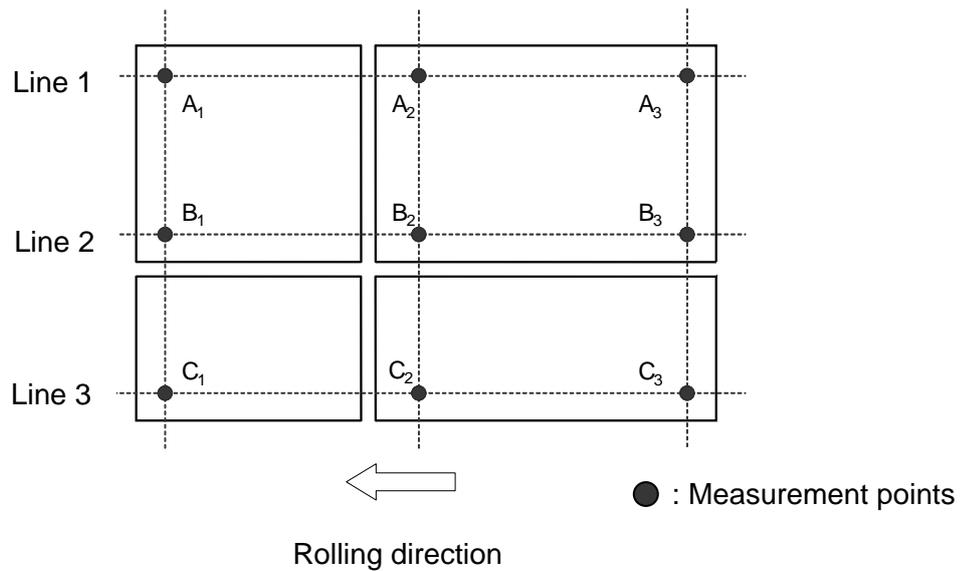
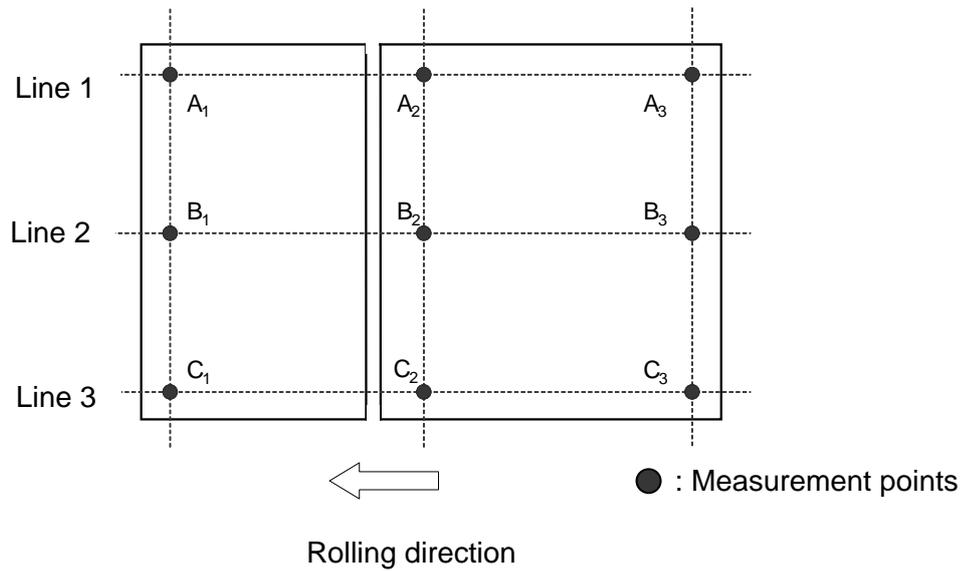


Fig. K3.1.8-2 has been added as follows.

Fig. K3.1.8-2 Locations of Thickness Measuring Points for the Cut Steel Products



EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 15 June 2012.