
RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part C

Hull Construction and Equipment

RULES

2012 AMENDMENT NO.2

Rule No.53 15th November 2012

Resolved by Technical Committee on 27th July 2012

Approved by Board of Directors on 25th September 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 C HULL CONSTRUCTION AND EQUIPMENT

Chapter 1 GENERAL

1.1 General

1.1.3 Ships of Unusual Form or Proportion, or Intended for Carriage of Special Cargoes

Sub-paragraph -5 has been added as follows.

5 The hull structural members of ships intended for the carriage of cargoes having moisture contents which exceed transportable moisture limit are to be in accordance with the requirements provided in this Part. In addition, the special considerations deemed necessary by the Society are to be taken into account.

Chapter 3 RUDDERS

3.9 Bearings of Rudder Stocks and Pintles

Paragraph 3.9.3 has been amended as follows.

3.9.3 Bearing Clearances

With metal bearings, clearances are not to be less than $d_{bs}/1000+1.0$ (mm) on the diameter.

d_{bs} is the inner diameter of the bush.

If non-metallic bearing material is used, the bearing clearance is to be specially determined considering the material's swelling and thermal expansion properties. This clearance is ~~in no way~~ not to be taken as less than 1.5mm on the bearing diameter unless a smaller clearance is supported by the manufacturer's recommendation and there is documented evidence of satisfactory service history with a reduced clearance.

EFFECTIVE DATE AND APPLICATION

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

GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part C

Hull Construction and Equipment

GUIDANCE

2012 AMENDMENT NO.2

Notice No.82 15th November 2012

Resolved by Technical Committee on 27th July 2012

Notice No.82 15th November 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 C HULL CONSTRUCTION AND EQUIPMENT

Amendment 2-1

C1 GENERAL

C1.1 General

C1.1.3 Ships of Unusual Form or Proportions, or Intended for Carriage of Special Cargoes

Sub-paragraph -4 has been added as follows.

4 “The special considerations deemed necessary by the Society” specified in **1.2.3-5, Part C of the Rules** means to be in accordance with the following (1) or (2):

- (1) For ships intended for the carriage of nickel ore with a moisture content that exceeds the transportable moisture limit, the requirements specified in **“Guidelines for the Safe Carriage of Nickel Ore”**
- (2) For ships intended for the carriage of cargoes other than nickel ore, evaluation methods deemed appropriate by the Society

C25 CEMENTING AND PAINTING

C25.2 Painting

C25.2.3 Corrosion Protection for Cargo Oil Tanks

Sub-paragraph -3 has been added as follows.

3 With respect to 25.2.3(2), Part C of the Rules, the relevant IACS Unified Interpretation is to be applied.

EFFECTIVE DATE AND APPLICATION (Amendment 2-1)

- 1. The effective date of the amendments is 15 November 2012.**

C17 DECKS

C17.3 Deck Plating

C17.3.5 Thickness of Deck Plating loaded with Wheeled Vehicles

Table C17.3.5-1 has been amended as follows.

Table C17.3.5-1 Values of C

		Vehicles exclusively used for cargo handling	Other vehicles
Midship part of strength deck	Longitudinal framing	4.6 $4.6\sqrt{K}$	$\frac{3.64}{\sqrt{1-0.64f_D^2}} \frac{3.64\sqrt{K}}{\sqrt{1-0.64f_{DH}^2 K}}$
	Transverse framing	4.9 $4.9\sqrt{K}$	$\frac{5.15}{\sqrt{1-0.41f_D^2}} \frac{5.15\sqrt{K}}{\sqrt{1-0.41f_{DH}^2 K^2}}$
Elsewhere		4.6 $4.6\sqrt{K}$	5.2 $5.2\sqrt{K}$

Note:

$\frac{f_D}{f_{DH}}$: Value as specified in **C10.9.1-1**

In longitudinal framing system, $\frac{f_D}{f_{DH}}$ is not to be less than ~~0.79~~ $0.79/K$.

EFFECTIVE DATE AND APPLICATION (Amendment 2-2)

1. The effective date of the amendments is 15 May 2013.
2. Notwithstanding the amendments to the Guidance, the current requirements may apply to ships for which the date of contract for construction is before the effective date.
3. Notwithstanding the provision of preceding 2., the amendments to the Guidance may apply to ships for which the application is submitted to the Society before the effective date.