

**RULES
FOR THE CLASSIFICATION OF
SHIPS**

*Part 25 – METALLIC MATERIALS
July 2021*

Amendments No. 1
January 2022

CROATIAN REGISTER OF SHIPPING

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By the decision of the General Committee of Croatian Register of Shipping,

Amendments No. 1 to the
RULES FOR THE CLASSIFICATION OF SHIPS
Part 25 – METALLIC MATERIALS

have been adopted on 20th December 2021 and shall enter into force on 1st January 2022

INTRODUCTORY NOTES

These amendments shall be read together with the requirements in the Rules for the Classification of Ships, Part 25 – Metallic Materials, edition July 2021.

Table 1 contains review of amendments, where items changed or added in relating to previous edition are given, with short description of each modification or addition. All major changes throughout the text are shaded.

This Part of the Rules includes the requirements of the following international Organisations:

International Association of Classification Societies (IACS)

Unified Requirements (UR): W2 (rev.2, 2003), W7 (rev.3, 2004), W8 (rev.2, 2004), W9 (rev.2, 2004), W10 (rev.2, 2004), W11 (rev.9, 2017), W13 (rev.6, 2018), W14 (rev.2, 2004), W16 (rev 3, 2016), W18 (rev. 5, 2004), W24 (rev. 4, July 2020), W25 (rev. 5, 2014), W27 (rev. 2, July 2020, corr. 1, Sep 2020), W29 (2005), W30 (2013), W31 (rev. 2, 2019), S33 (Rev. 3, Feb 2020)

Recommendations (Rec.): Rec. 139 (2015), Rec. 69 (rev. 2, Oct 2020), Rec.68 (rev.1, Apr 2021), Rec.169 (Sep 2021)

TABLE 1 – REVIEW OF AMENDMENTS

This review comprises amendments in relation to the Rules for the Classification of Ships, Part 25 – Metallic Materials, edition July 2021.

<i>ITEM</i>	<i>DESCRIPTION OF THE AMENDMENTS</i>
SECTION 3 STEEL AND IRON MATERIALS	
Head 3.18	New Head 3.18 is added

3 STEEL AND IRON MATERIALS

■ New **Head 3.18 GUIDELINES ON APPROVAL OF HIGH MANGANESE AUSTENITIC STEEL FOR CRYOGENIC SERVICE** is added and should be read as follows:

3.18 GUIDELINES ON APPROVAL OF HIGH MANGANESE AUSTENITIC STEEL FOR CRYOGENIC SERVICE

3.17.1 Application

3.17.1.1 Guidelines for manufacturing approval and batch release testing of high manganese austenitic steel as plate for cryogenic service are given in IACS Recommendation No. 169. High manganese austenitic steel means the steel with a high amount of manganese in order to retain austenite as its primary phase at at-mospheric and service temperature.

3.17.1.2 Guidelines are intended for steel plates with thickness between 6mm to 40 mm. For greater thickness, special consideration should be given by the *Register*.

3.17.1.3 High manganese austenitic steels differing in chemical composition, deoxidation practice, condition of supply and mechanical properties may be considered, subject to the special approval of the *Register*.