



RUSSIAN MARITIME REGISTER OF SHIPPING

CIRCULAR LETTER

No. 313-67-1544c

dated 12.04.2021

Re:

amendments to the Rules for the Classification and Construction of Sea-Going Ships, 2021, ND No. 2-020101-138-E, considering the experience of technical supervision

Item(s) of supervision:

bolts for securing of blades, hub cones and seals, shaft tunnels and pipe ducts

Entry-into-force date:

01.07.2021

~~Valid till:~~

~~Validity period extended till:~~

~~Cancels / amends / adds Circular Letter No.~~

~~dated~~

Number of pages:

1 + 3

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part VII "Machinery installations"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that the Rules for the Classification and Construction of Sea-Going Ships shall be amended as specified in the Appendices to the Circular Letter.

It is necessary to do the following:

1. Bring the content of the Circular Letter to the notice of the RS surveyors, interested organizations and persons in the area of the RS Branch Offices activity.
 2. Apply amendments introduced by the Circular Letter during review and approval of the technical documentation on machinery installations designed for application on ships contracted for construction or conversion on or after 01.07.2021, in the absence of a contract, the keels of which are laid or which are at a similar stage of construction on or after 01.07.2021, as well as when performing technical supervision during manufacture of machinery installations requested on or after 01.07.2021.
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List of the amended and/or introduced paras/chapters/sections:

Part VII: table 1.3.2.3, para 4.5.14

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**Information on amendments introduced by the Circular Letter
(for inclusion in the Revision History to the RS Publication)**

Nos.	Amended paras/chapters/sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
1	Table 1.3.2.3	Requirements for the material of bolts for securing of blades, hub cones and seals have been specified	313-67-1544c of 12.04.2021	01.07.2021
2	Para 4.5.14	Requirements for the escape routes from shaft tunnels and pipe ducts have been specified	313-67-1544c of 12.04.2021	01.07.2021

**RULES FOR THE CLASSIFICATION AND CONSTRUCTION
OF SEA-GOING SHIPS, 2021,**

ND No. 2-020101-138-E

PART VII. MACHINERY INSTALLATIONS

1 GENERAL

1 **Table 1.3.2.3** is replaced by the following:

"Table 1.3.2.3

Parts to be surveyed			
Nos	Item	Material	Chapter of Part XIII "Materials"
1	Shafting		
1.1	Intermediate, thrust and propeller shafts	Forged steel	3.7
1.2	Propeller shaft liners	Copper alloy	4.1
		Corrosion-resistant steel	On agreement with the Register
1.3	Half-couplings	Forged steel	3.7
		Cast steel	3.8
1.4	Coupling bolts	Forged steel	3.7
1.5	Sterntubes	Rolled steel	3.2
		Cast steel	3.8
		Forged steel	3.7
		Cast iron	3.9
1.6	Sterntube and strut bushes	Cast steel	3.8
		Copper alloy	4.2
		Forged steel	3.7
		Cast iron	3.9, 3.10
1.7	Lining of sternbush bearing	Non-metallic materials	On agreement with the Register
		Metal alloys	3.2
1.8	Thrust block casing	Rolled steel	3.2
		Cast steel	3.8
		Cast iron	3.9
2	Propellers		
2.1	Solid propellers	Cast steel	3.12
		Copper alloy	4.2
2.2	Built propellers		
2.2.1	Blades	Cast steel	3.12
		Copper alloy	4.2
2.2.2	Boss	Cast steel	3.12
		Copper alloy	4.2
2.2.3	Bolts (studs) for securing of blades, hub cones and seals	Copper alloy	4.1
		Stainless steel	3.16
2.3	Hub cones	Cast steel	3.12
		Copper alloy	4.1, 4.2

Nos	Item	Material	Chapter of Part XIII "Materials"
2.4	CPP crosshead in Arc4 to Arc9 ice class ships and icebreakers	Forged steel	3.7
		Cast steel	3.8
2.5	Casings of main AMSS in Arc4 to Arc9 ice class ships and icebreakers	Forged steel	3.7
		Cast steel	3.8
		Rolled Steel	3.2

Notes: 1. The materials shall be selected in accordance with 2.4.
2. All shafts (propeller, thrust, intermediate), propeller blades shall be subjected to non-destructive testing when manufactured. The methods, standards and scope of such tests shall be agreed with the Register.
3. The nomenclature and material of the CPP components: crank pin rings, sliding shoes (other than those given under item 2.4), push-pull rods; hydraulic cylinders, etc., as well as the AMSS parts (other than those given under item 2.5) shall be agreed with the Register.

4 MACHINERY SPACES, ARRANGEMENT OF MACHINERY AND EQUIPMENT

2 **Para 4.5.14** is replaced by the following text:

"4.5.14 The escape routes from shaft tunnels and pipe ducts shall be equipped by watertight closing means or enclosed in watertight trunks carried to above the bulkhead deck or the uppermost waterline.

Doors from shaft tunnels and pipe ducts leading in the machinery spaces and cargo pump rooms shall comply with the requirements of 7.12, Part III "Equipment, Arrangements and Outfit".