

Gratings for Seawater Intakes

Object of Amendment

Rules for the Survey and Construction of Steel Ships Part B

Reason for Amendment

IACS Unified Requirement (UR) Z15 requires that means be provided to allow divers carrying out in-water surveys to confirm that sea suction openings are clear of obstruction and gives hinged-type gratings as one example of means that can be used. For this reason, the NK Rules require that the gratings for such openings be of a hinged type to ensure that the opening can be securely closed from the outside, but also facilitates opening and closing by divers.

UR Z15, however, does not specify that only hinged-type gratings may be used, and there are alternative methods that can be used instead to securely close such openings from outside. For this reason, the Society has received a number of requests from relevant industry members in recent years asking that it also recognize these alternative methods as well.

Accordingly, relevant requirements are amended based on said requests.

Outline of Amendment

Amend relevant requirements to clarify that gratings other than those of a hinged type may be used for seawater intakes on the condition that they are of a construction that allows underwater opening and closing.

Effective Date and Application

Effective date of this draft amendment is 27 June 2024.

ID: DX23-13

An asterisk (*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

Amended-Original Requirements Comparison Table (Gratings for Seawater Intakes)

Amended	Original	Remarks
<p align="center">RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p align="center">Part B CLASS SURVEYS</p> <p align="center">Chapter 6 DOCKING SURVEYS</p> <p>6.1 Docking Surveys</p> <p>6.1.2 In-water Surveys*</p> <p>4 Ships intended to be subjected to the In-water Survey are to comply with the following. Where the documents specified in -3(3) above are submitted, special consideration may be given to (1) or (4) below.</p> <p> ((1) to (5) are omitted.)</p> <p>(6) <u>Means are to be provided to enable the diver to confirm that the sea suction openings are clear (e.g. hinged gratings).</u></p> <p> ((7) is omitted.)</p> <p align="center">EFFECTIVE DATE AND APPLICATION</p> <p>1. The effective date of the amendments is 27 June 2024.</p>	<p align="center">RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p align="center">Part B CLASS SURVEYS</p> <p align="center">Chapter 6 DOCKING SURVEYS</p> <p>6.1 Docking Surveys</p> <p>6.1.2 In-water Surveys*</p> <p>4 Ships intended to be subjected to the In-water Survey are to comply with the following. Where the documents specified in -3(3) above are submitted, special consideration may be given to (1) or (4) below.</p> <p> ((1) to (5) are omitted.)</p> <p>(6) <u>Hinged gratings are installed on all sea chests and constructed so as to facilitate opening and closing by the diver</u></p> <p> ((7) is omitted.)</p>	<p>IACS UR Z15(Rev.3) A3.3</p>