

Common Structural Rules for Bulk Carriers, January 2006

Background Document

CHAPTER 12 – ADDITIONAL CLASS NOTATIONS

NOTE:

- This TB is published to improve the transparency of CSRs and increase the understanding of CSRs in the industry.
- The content of the TB is not to be considered as requirements.
- This TB cannot be used to avoid any requirements in CSRs, and in cases where this TB deviates from the Rules, the Rules have precedence.
- This TB provides the background for the first version (January 2006) of the CSRs, and is not subject to maintenance.

IACS

INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES LTD.

© IACS - the International Association of Classification Societies and the International Association of Classification Societies Limited

All rights reserved.

Except as permitted under current English legislation no part of this work may be photocopied, stored in a retrieval system, published, performed in public, adapted, broadcast, transmitted, recorded or reproduced in any form or by means, without prior permission of the copyright owner.

Where IACS has granted written permission for any part of this publication to be quoted such quotation must include acknowledgement to IACS.

Enquiries should be addressed to the Permanent Secretary,
International Association of Classification Societies Ltd,
36 Broadway
London, SW1H 0BH
Telephone: +44 (0)20 7976 0660
Fax: +44 (0)20 7808 1100
Email: PERMSEC@IACS.ORG.UK

Terms and Conditions

The International Association of Classification Societies (IACS), its Member Societies and IACS Ltd. and their directors, officers, members, employees and agents (on behalf of whom this notice is issued) shall be under no liability or responsibility in contract or negligence or otherwise howsoever to any person in respect of any information or advice expressly or impliedly given in this document, or in respect of any inaccuracy herein or omission herefrom or in respect of any act or omission which has caused or contributed to this document being issued with the information or advice it contains (if any).

Without derogating from the generality of the foregoing, neither the International Association of Classification Societies (IACS) nor IACS Ltd. nor its Member Societies nor their directors, officers, members, employees or agents shall be liable in contract or negligence or otherwise howsoever for any direct, indirect or consequential loss to any person caused by or arising from any information, advice, inaccuracy or omission given or contained herein or any act or omission causing or contributing to any such information, advice, inaccuracy or omission given or contained herein.

Any dispute concerning the provision of material herein is subject to the exclusive jurisdiction of the English courts and will be governed by English Law.

TABLE OF CONTENTS:

SECTION 1 - GRAB ADDITIONAL CLASS NOTATION 4

1. BASIC CONCEPTS..... 4

 1.1 Application..... 4

2. SCANTLINGS 4

 2.1 Plating 4

SECTION 1 – GRAB ADDITIONAL CLASS NOTATION

1. BASIC CONCEPTS

1.1 Application

1.1.1

1.1.1.a The regulations corresponding to Regulation 6.5.1, Chapter XII of the SOLAS Convention were set as Chapter 12. The regulation for additional class notation assigned when the strength requirements for grab impact loads are satisfied, has been added. To clearly denote the mass of the grab considered when assigning the additional class notation, the mass of the grab considered is affixed after "GRAB." This regulation is a mandatory requirement for BC-A and BC-B ships according to the SOLAS Convention, and optional for other kinds of ships. The minimum mass of the grab considered was taken as 20 tons considering the mass of grabs generally used in harbour facilities.

1.1.2

1.1.2.a It is considered that for this topic, no information in addition to that shown in the Rules is necessary to explain the background.

2. SCANTLINGS

2.1 Plating

2.1.1

2.1.1.a It is considered that for this topic, no information in addition to that shown in the Rules is necessary to explain the background.

2.1.2

2.1.2.a A simplified formula using grab mass, material used, and longitudinal spacing was given after studying regulations related to grabs of other classification societies and referring to LRS Rules as shown in Fig. 12.1.

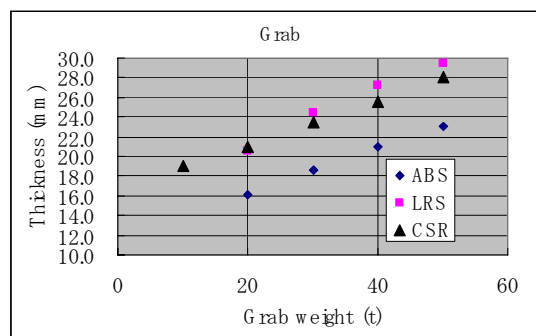


Fig. 12.1 Required plating thickness versus grab weight

2.1.3

2.1.3.a A simplified formula was given as similar to 2.1.2.a.