

Recommendations for

The co-ordination of dimensions in shipbuilding: co-ordinating sizes for services

UDC 629.12.071:006.78:629.12.06

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

This British Standard, having been prepared under the direction of the Shipbuilding and Marine Standards Committee, was published under the authority of the Executive Board on 30 November 1976

© BSI 02-2000

The following BSI references relate to the work on this standard:
Committee reference SME/9
Draft for comment 75/74170 DC

ISBN 0 580 09860 5

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Foreword	ii
1 Scope	1
2 References	1
3 Definitions	1
4 Guidance for selection of co-ordinating sizes	1
5 Co-ordinating spaces for services	1
6 Component ranges	1
7 Manufacturing sizes	2
Figure 1 — Co-ordinating space for components	7
Figure 2 — Interconnection of components	7
Figure 3 — Determination of work sizes	8
Table 1 — Co-ordinating sizes for services	2

Foreword

This British Standard has been prepared under the authority of the Shipbuilding and Marine Standards Committee and is based on a proposal of the British Ship Research Association.

The changeover to the metric system within the shipbuilding industry has been taken as an opportunity to introduce a rationalized method of design for ships' accommodation that is applied to the components and to the structures within which they are used. Dimensional co-ordination, the method chosen, uses a range of related dimensions within a co-ordinated framework to achieve standardized components.

The aim in publishing the series of standards under the general title "Recommendations for the co-ordination of dimensions in shipbuilding" is thus to establish for designers and manufacturers limited ranges of standard components that can be utilized to maximum effect within dimensionally co-ordinated accommodation space, giving the advantages of less need to manufacture non-standard units, avoidance of wastage of materials and labour in cutting components on site, and flexibility and interchangeability of components in use.

This standard is one of the series mentioned. It makes recommendations for co-ordinating sizes of service components and fittings and proposes centre dimensions for connections of the services to those components and fittings.

Other standards in the series are:

BS MA 13, *Recommendations for the co-ordination of dimensions in shipbuilding: glossary of terms*. (Definitions of terms used in modular and dimensional co-ordination, including terms peculiar to Shipbuilding.)

BS MA 14, *Recommendations for the co-ordination of dimensions in shipbuilding: co-ordinating sizes for components and assemblies*. (Recommendations on the first selection of sizes based on the use of standard modules or increments of size.)

BS MA 44, *Recommendations for the co-ordination of dimensions in shipbuilding: principles of dimensional co-ordination*. (An introduction to the subject giving guidance on the use of the standards in the series.)

BS MA 45, *Recommendations for the co-ordination of dimensions in shipbuilding: controlling dimensions*. (A framework of controlling dimensions for use in the design of ships' deckhouses and accommodation and to assist in the derivation of co-ordinating sizes of components.)

BS MA 71, *Recommendations for the co-ordination of dimensions in shipbuilding: co-ordinating spaces for internal subdivision*. (Information on the dimensional requirements for components used in the subdivision of accommodation areas expressed in terms of co-ordinating spaces.)

BS MA 72, *Recommendations for the co-ordination of dimensions in shipbuilding: co-ordinating spaces for furniture*. (Information on dimensional requirements for furniture to assist in the derivation of co-ordinating sizes.)

BS MA 73, *Recommendations for the co-ordination of dimensions in shipbuilding: co-ordinating sizes for fixtures, fittings and equipment*. (Recommendations for co-ordinating sizes of these items in order to integrate them within dimensionally co-ordinated spaces.)

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.