

Specification for

Flanges, bolting and gaskets for exhaust gas, piping for diesel engines and boiler uptakes

UDC 629.12.011.562:621.643.412:621.882

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents

AVA

Document Sharing Hub

Foreword

This British Standard has been prepared under the authority of the Shipbuilding and Marine Industry Standards Committee, and is based on a proposal of the British Ship Research Association following a request from the marine industries:

This standard makes reference to the following British Standards:

BS 3600, *Dimensions and masses per unit length of welded and seamless steel pipes and tubes for pressure purposes.*

BS 4190, *ISO metric black hexagon bolts, screws and nuts.*

BS 4320, *Metal washers for general engineering purposes. Metric series.*

Two international flange systems and several national flange systems exist. As these are generally unduly heavy for the pressure rating of marine exhaust gas systems, this standard provides for a series of flanges more closely related to the requirements of the system. In this respect attention is drawn to the fact that for nominal sizes up to and including 500 mm the mating dimensions of the flanges are in accordance with ISO 2084 “*Pipeline flanges for general use — Metric series — Mating dimensions*” for pressure rating PN6. For larger nominal sizes mating dimensions are controlled by the method of manufacture normally adopted by the industry.

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 and ii, pages 1 to 3 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.

Amendments issued since publication

Amd. No.	Date of issue	Comments
1256	September 1973	
1759	June 1975	
2267	April 1977	Indicated by a sideline in the margin

This British Standard, having been approved by the Shipbuilding & Marine Industry Standards Committee, was published under the authority of the Executive Board on 20 August 1970

© BSI 12-1999

The following BSI references relate to the work on this standard:
Committee reference SME/1
Draft for comment 69/8828

ISBN 580 06343 7

Contents

	Page
Foreword	Inside front cover
1 Scope	1
2 Flange rating	1
3 Nominal sizes and dimensions	1
4 Material	1
5 Method and quality of manufacture	1
6 Bolting	1
7 Attachment of flanges	1
8 Test requirements	1
9 Installation	1
10 Gaskets	1
Figure 1 — Detail of weld	3
Table 1 — Flanges: nominal dimensions, drilling and bolting details	2
Table 2 — Flange attachment details	3