



BSI Standards Publication

Ships and marine technology — Manholes with bolted covers

National foreword

This British Standard is the UK implementation of [ISO 5894:2018](#). It supersedes [BS ISO 5894:1999](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SME/32, Ships and marine technology - Steering committee.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2018

ISBN 978 0 580 96244 8

ICS 47.020.10

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2018.

Amendments/corrigenda issued since publication

Date	Text affected
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INTERNATIONAL STANDARD

ISO
5894

Third edition
2018-12-18

Ships and marine technology — Manholes with bolted covers

*Navires et technologie maritime — Trous d'homme avec
couvercle boulonné*



Reference number
ISO 5894:2018(E)
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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Typical forms, nominal sizes and dimensions	1
5 Fastening details	8
6 Geometrical design of the oval and ellipses	13
7 Material	14
8 Quality of manufacture	14
9 Designation	14

Foreword

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 8, *Ship design*.

This third edition cancels and replaces the second edition ([ISO 5894:1999](http://www.iso.org/iso/5894:1999)), which has been technically revised.

The main changes compared to the previous edition are as follows:

- a) the type O manhole has been classified as type AO and BO;
- b) the type E manhole has been classified as type AE and BE;
- c) the nominal sizes of 450 × 350, 600 × 400, 600 × 450 and 800 × 600 for type CO manholes have been added;
- d) the nominal sizes of 450 × 350, 600 × 400, 600 × 450 and 800 × 600 for type DO manholes have been added;
- e) the nominal sizes of 500 × 400 and 600 × 450 for type AO and type BO manholes have been added;
- f) the plate thickness of manhole covers is more in line with the requirements of modern shipbuilding;
- g) a marking for each manhole cover has been added;
- h) a handle for each manhole cover has been added;
- i) an auxiliary size for fasteners has been added;
- j) the geometrical design of the oval manhole covers has been added;
- k) the design of jacking-up bolts for every type of manhole has been added;
- l) a free from asbestos requirement for the gasket material has been added;

m) the fastener coordinates values have been adjusted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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