

Ships and marine technology — Manholes with bolted covers

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National foreword

This British Standard reproduces verbatim ISO 5894:1999 and implements it as the UK national standard. It partially supersedes BS MA 7:1983, to which it is related. It introduces larger nominal manhole sizes than in BS MA 7:1983 but it may be used in conjunction with BS MA 7:1983 in respect to the corresponding nominal sizes of manhole. In addition, BS MA 7:1983 and individual class society requirements provide details of construction, welding and assembly for manholes and bolted covers that are not covered by the scope of this standard.

The UK participation in its preparation was entrusted by Technical Committee SME/32, Ships and marine technology - Steering committee, to Subcommittee SME/32/8, Ships and marine technology - Structures, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Cross-references

The British Standards which implement international publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii and iii, a blank page, pages 1 to 8, an inside back cover and a back cover.

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INTERNATIONAL STANDARD

**ISO
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Second edition
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Ships and marine technology — Manholes with bolted covers

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



Reference number
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 5894 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 8, *Structures*.

This second edition cancels and replaces the first edition (ISO 5894:1978).

The following amendments have been made to the first edition.

- a) The nominal sizes 500 mm × 400 mm and 600 mm × 450 mm for type A manholes are no longer specified.
- b) Type B, type C and type D manholes are no longer specified.
- c) The type A manhole has been renamed type O manhole (O for oval).
- d) The nominal size 800 mm × 600 mm for type O has been added.
- e) The type E manhole (E for elliptical) with nominal size 800 mm × 400 mm has been added.
- f) For the nominal sizes 600 mm × 400 mm and 450 mm × 350 mm for type O, the sizes a_2 and b_2 (in the 1978 edition) are reduced by 20 mm. The position of fasteners is therefore changed.
- g) The sizes for length and breadth of covers and coaming rings (L_2 , L_3 , b_2 and b_3) have been added.
- h) The designation has been added.