
**Ships and marine technology —
Manholes with bolted covers**

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

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Published in Switzerland

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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), 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;