

AS 1987—1977

Australian Standard[®]

**SMALL SQUARE
WEATHERTIGHT HATCHES**

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American Bureau of Shipping
Australian Chamber of Shipping
Australian Shipbuilders Association
Australian Shipping Commission
Bureau Veritas
Department of Defence (Navy Office)
Department of Industry and Commerce
Department of Transport
Institute of Marine Engineers
Lloyds Register of Shipping
Royal Institute of Naval Architects

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PREFACE

This standard was prepared by the Association's Committee on Shipbuilding.

The standard is based on BS MA 8, Specification for Small (Weathertight) Hatches. Changes have been made in regard to material requirements (to conform to other Australian standards), and the plate thicknesses specified in the drawings have been changed to standard metric steel plate thicknesses. Changes have been made in regard to the securing arrangements, and tests have been included.

Users of this standard should note that while observing the requirements of the standard, they should also ensure compliance with such statutory and classification society requirements, rules and regulations as are applicable to the individual ship concerned.

This standard may require reference to the following standards:

AS 1111 ISO Metric Hexagon Commercial Bolts and Screws

AS 1236 Split Cotter Pins (Metric Series)

AS 1237 Flat Metal Washers for General Engineering Purposes (Metric Series)

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification

for

SMALL SQUARE WEATHERTIGHT HATCHES

1 SCOPE. This specification applies to small square weathertight hatches in the size range 650 mm × 650 mm to 1275 mm × 1275 mm.

Four sizes are covered to a common basic design, with variations in securing and stiffening to suit the increases in size.

Coaming height and thickness are not specified, as these will be determined by the position of the hatch and the requirements of the appropriate Statutory Authority and/or Classification Society.

The hatches are suitable for giving access to compartments other than those subjected to pressure. They are not suitable for use as escape hatches.

NOTE: When ordering hatches to this specification, the purchaser should provide the particulars listed in Appendix A.

2 DEFINITION. For the purposes of this specification, the following definition applies:.

Weathertight — such that, in any sea condition, water will not penetrate into the ship.

3 SIZES. The hatches shall be constructed in four sizes which shall be denoted by the letters A, B, C and D as shown in Table 1.

TABLE 1
SIZE OF HATCH millimetres

Size	Figure reference	Clear opening in deck	External dimension of coaming
A	1	600 × 600	650 × 650
B	2	750 × 750	800 × 800
C	3	925 × 925	975 × 975
D	4	1225 × 1225	1275 × 1275

NOTE: Radiused corners should be provided in deck openings.

4 CONSTRUCTION DETAILS. Construction details shall be as shown in Figs 1 to 7. Common hinges and toggles, as shown in Figs 5 and 6, shall be used for all sizes. A lifting eyeplate, as shown in Fig. 7, shall be fitted to sizes C and D hatches, in the position indicated.