

Australian Standard[®]

**SOLID BEARING HOUSINGS—
DIMENSIONS AND
TOLERANCES**

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Australian British Trade Association
Bureau of Steel Manufacturers of Australia
Confederation of Australian Industry
Department of Defence
Federation of Automotive Products Manufacturers
Institution of Engineers, Australia
Metal Trades Industry Association of Australia
Railways of Australia Committee
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AS 1911—1984

Australian Standard[®]

**SOLID BEARING HOUSINGS—
DIMENSIONS AND
TOLERANCES**

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PREFACE

This edition of this standard was prepared by the Association's Committee on Rolling Bearings, to supersede AS 1911—1976, Solid Bearing Housings (Metric Series).

The types of bearing housings covered in this edition are identical with those covered by the previous edition, i.e. bearing housings peculiar to Australia, which were catered for by the inch series SB, WB, FC and TH housings.

This edition differs from AS 1911—1976 in the following respects:

- (a) In Tables 1 and 2, the designations have become THM and FCM, respectively, followed by a number.
- (b) In Tables 1, 2 and 3, some of the dimensions have been changed.

CONTENTS

| | <i>Page</i> |
|------------------------------------|-------------|
| SPECIFICATION | |
| 1 Scope | 3 |
| 2 Referenced Documents | 3 |
| 3 Types | 3 |
| 4 Shaft Dimensions | 3 |
| 5 Dimensions of Housings | 3 |
| 6 Material | 3 |

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

SOLID BEARING HOUSINGS—DIMENSIONS AND TOLERANCES

1 SCOPE. This standard specifies boundary dimensions for three types of solid bearing housings which use internally aligning double-row ball or spherical roller bearings of venous load capacities.

A minimum material grade is also specified. Performance is not covered.

2 REFERENCED DOCUMENTS. The following standard is referred to in this standard:

AS 1830 Grey Iron Castings

3 TYPES. Housings shall be designated as follows:

- (a) Take-up (adjustable) Series THM 500.
- (b) Flange-mounted Series FCM 500.
- (c) Base-mounted Series WSB 500.

4 SHAFT DIMENSIONS. Nominal shaft dimensions accommodated by the housings are as follows:

- (a) Series THM 500 45 mm to 100 mm.
- (b) Series FCM 500 25 mm to 100 mm.

- (c) Series WSB 500 40 mm to 140 mm.

5 DIMENSIONS OF HOUSINGS.

5.1 Take-up housings, Series THM 500. Dimensions of Series THM 500 housings shall be as given in Table 1 and as illustrated.

5.2 Flange-mounted housing, Series FCM 500. Dimensions of Series FCM 500 housings shall be as given in Table 2 and as illustrated.

5.3 Base-mounted housings, Series WSB 500. Dimensions of Series WSB 500 housings shall be as given in Table 3 and as illustrated.

6 MATERIAL. The housing material shall have properties not inferior to cast iron of designation AS 1830/T-220, or equivalent.

NOTE: AS 1830—1976 is in the process of revision and the current designation for tensile strength T-200 will be changed to T-220. It means that the minimum tensile strength of this material will be 220 MPa, instead of 200 MPa.