STANDARDS AUSTRALIA

RECONFIRMATION

OF
AS 1815.1—2007
Metallic materials—Rockwell hardness test
Method 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)

RECONFIRMATION NOTICE

Technical Committee MT-009 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 20 March 2017.

The following are represented on Technical Committee MT-009:

Australasian Institute of Surface Finishing
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Steel Institute
Bureau of Steel Manufacturers of Australia
Galvanizers Association of Australia
Galvanizing Association of New Zealand
New Zealand Metal Roofing Manufacturers

NOTES

AS 1815.1—2007
Reconfirmed 2017

Australian Standard®

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PREFACE

This Standard was prepared by Standards Australia Committee MT-006, Mechanical Testing of Metals to supersede AS 1815.1—2002, *Metallic materials—Rockwell hardness test,* Method 1: *Test method (scales A, B, C, D, E, F, G, H, K, N, T)*

This Standard is based on but not equivalent to ISO 6508-1:2005, *Metallic materials—Rockwell hardness test,* Part 1*: Test method (scales A, B, C, D, E, F, G, H, K, N, T)*. The scope of the current edition of ISO 6508-1 is limited to the use of tungsten balls when using the relevant hardness scales. In Australia, steel balls are still used so the Committee decided not to adopt the current edition of the ISO Standard.

This Standard considers hardmetal to be the standard for ball indenters but steel balls may still be used subject to agreement between the purchaser and the supplier. The difference in hardness and values when comparing hardmetal balls to steel balls is given in an appendix.

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This Standard is one of a series of Standards covering the range of tensile testing methods. The series comprises the following:

AS

1815 Metallic materials—Rockwell hardness test
1815.1 Method 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T) (this Standard)
1815.2 Method 2: Verification and calibration of testing machines (scales A, B, C, D, E, F, G, H, K, N, T)
1815.3 Method 3: Calibration of reference blocks (scales A, B, C, D, E, F, G, H, K, N, T) (ISO 6508-3:2005, MOD)

1816 Metallic materials—Brinell hardness test
1816.1 Method 1: Test method (ISO 6506-1:2005, MOD)
1816.2 Method 2: Verification and calibration of testing machines
1816.3 Method 3: Calibration of reference blocks
1816.4 Method 4: Table of hardness values

1817 Metallic materials—Vickers hardness test
1817.1 Method 1: Test method (ISO 6507-1:1997, MOD)
1817.2 Method 2: Verification of testing machines
1817.3 Method 3: Calibration of reference blocks

5016 Metallic materials—Conversion of hardness values

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a standard, where an ‘informative’ appendix is only for information and guidance.