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Australian Standard 2025, Part 1 — 1977

METHOD FOR ROCKWELL
SUPERFICIAL HARDNESS TEST

Part 1 — TESTING OF METALS,
N AND T SCALES

[Title allocated by Defence Cataloguing Authority:
TESTER, MATERIAL HARDNESS]



STANDARDS ASSOCIATION OF AUSTRALIA
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THE FOLLOWING INDUSTRIAL, SCIENTIFIC AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Aluminium Development Council
Associated Chambers of Manufactures of Australia
Australian Institute of Metals
Bureau of Steel Manufacturers of Australia
Department of Defence
Department of Industry and Commerce
Metal Trades Industry Association of Australia
National Association of Testing Authorities
National Measurement Laboratory
Railways of Australia Committee
Society of Automotive Engineers—Australasia
Universities

This standard, prepared by Committee MT/6, Mechanical Testing of Metals, was approved by the Metals Standards Board on behalf of the Council of the Standards Association of Australia on 15 November 1976, and was published on 1 July 1977.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

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AUSTRALIAN STANDARD

METHOD FOR ROCKWELL SUPERFICIAL HARDNESS TEST

Part 1 TESTING OF METALS, N AND T SCALES

AS 2025, Part 1 — 1977

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PREFACE

This standard was prepared by the Association's Committee on Mechanical Testing of Metals at the request of the Metals Standards Board, to provide a standard method for determining the hardness of metals using the Rockwell superficial hardness test.

In the standard the committee has limited the hardness scales to N and T because these two scales are used extensively in Australia. It is anticipated that a standard for other superficial hardness scales will be produced at a later date.

The resolution taken by ISO/TC 17 not to alter the hardness number following the introduction of SI units has been adhered to by introducing a factor of 9.8 into the formula for calculating hardness and replacing kilograms force by newtons in defining indenting forces.

This standard requires reference to the following Australian standards:

- | | |
|---------|---|
| AS 1817 | Method for Vickers Hardness Test Part 1—Testing of Metals |
| AS 2025 | Rockwell Superficial Hardness Test Part 2—Calibration of the Testing Machine.* |

*In course of preparation.

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