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GRAPHICAL SYMBOLS FOR GENERAL ENGINEERING

Part 3 : WELDING AND NON-DESTRUCTIVE EXAMINATION

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This Australian standard was prepared by Committee WD/1, Welding Definitions and Symbols. It was approved on behalf of the Council of the Standards Association of Australia on 12 November 1986 and published on 6 February 1987.

The following interests are represented on Committee WD/1:

Australian Welding Institute
Australian Welding Research Association
Bureau of Steel Manufacturers of Australia
Confederation of Australian Industry
CSIRO, Division of Manufacturing Technology
Department of Defence
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PREFACE

This edition of this standard was prepared by the Association's Committee on Welding Definitions and Symbols, to supersede AS 1101, Graphical Symbols for General Engineering, Part 3—1979—Symbols for Welding. It is generally based on ANSI/AWS A2.4-79, Symbols for Welding and Nondestructive Testing, and the permission of the American Welding Society Inc. to use their standard is acknowledged.

The standard provides a scheme whereby complete details of welds and welded joints can be delineated on drawings. A separate section has been included establishing symbols for use on drawings to specify requirements for non-destructive examination for determining the soundness of materials.

The method for symbolic representation of welds on engineering drawings used in this standard is consistent with the 'third angle' method of projection, which is the preferred method given in AS 1100, Technical Drawing, Part 101—General Principles. It should be noted, however, that the scheme is equally appropriate to drawings in which the 'first angle' method of projection is used.

The committee noted the practice currently adopted in ISO 2553, Welds—Symbolic Representation on Drawings, in regard to the position of the symbols on drawings, viz the dual reference line, and felt that this situation should not be carried over into this standard. Therefore, the practice of using one continuous reference line remains unaltered in this edition.

Illustrations used with the text are intended only to show how symbols may be used to convey welding or testing information and do not necessarily represent good or accepted design practice.

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