

AS 1554.2—1993

Australian Standard[®]

Structural steel welding

**Part 2: Stud welding
(Steel studs to steel)**

This Australian Standard was prepared by Committee WD/3, Welding of Structures. It was approved on behalf of the Council of Standards Australia on 21 October 1992 and published on 13 April 1993.

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Australian Institute of Steel Construction
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PREFACE

This edition of this Standard was prepared by the Standards Australia Committee on Welding of Structures to supersede AS 1554.2—1980. It provides for the welding of steel studs to steel elements, other than pressure vessels, by the stud welding technique, and is based on the American Welding Society Structural Welding Code (ANSI/AWS D1.1); acknowledgment is made of the assistance received from this document. The Standard provides for welded studs used as shear connectors in composite steel/concrete construction or as concrete anchors, or used for attachment of members or appurtenances to steel members.

This Standard requires that the stud material, the stud base, the stud welding procedure, and the welding operator, be qualified before welding is commenced. This Standard also contains provisions for details of studs and stud bases, and the qualification, workmanship and testing of finished welds.

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

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