

Australian/New Zealand Standard™

**Welding—Fusion-welded joints in steel,
nickel, titanium and their alloys (beam
welding excluded) – Quality levels for
imperfections**



AS/NZS ISO 5817:2019

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee WD-003, Welding Of Structures. It was approved on behalf of the Council of Standards Australia on 10 January 2019 and by the New Zealand Standards Approval Board on 30 January 2019.

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- Australasian Corrosion Association
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Steel Association
- Australian Steel Institute
- Australian Welding Institute
- Austrroads
- Bureau of Steel Manufacturers of Australia
- Energy Networks Australia
- New Zealand Heavy Engineering Research Association
- New Zealand Non-Destructive Testing Association
- TAFE NSW
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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WD-003, Welding of Structures.

The objective of this Standard is to provide quality levels of imperfections in fusion-welded joints (except for beam welding) in all types of steel, nickel, titanium and their alloys. It applies to material thickness ≥ 0.5 mm. It covers fully penetrated butt welds and all fillet welds. Its principles can also be applied to partial-penetration butt welds.

This Standard is identical with, and has been reproduced from, ISO 5817:2014, *Welding – Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) – Quality levels for imperfections*.

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