



## List of Applicable Product Requirements

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In accordance with the ACRS Product Certification Scheme Rules, certification of reinforcing steels, general steels and associated products may take place against the following applicable Product Requirements.

Where a Firm is Certified under the Scheme to a Product Class, all materials within that Product Class that are supplied to these Product Requirements by the Firm are Assessable Materials under the Scheme:

1. Concrete Reinforcing Steels:
  - a) AS/NZS 4671: 2001, *Steel reinforcing materials*;
  - b) AS/NZS 4671: 2019, *Steel for the reinforcement of concrete*;
  - c) AS/NZS 4672: 2007, *Steel prestressing materials*;
  - d) BS 6744: 2016 *Stainless Steel Bars – Reinforcement of Concrete – Requirements and Test Methods*
2. Hot-rolled Structural Steels:
  - a) AS 1442: 2007, *Carbon steels & carbon-manganese steels – Hot rolled bars & semi-finished products*
  - b) AS 3597:2008, *Structural & pressure vessel steel – Quenched & tempered plate*;
  - c) AS/NZS 1594:2002, *Hot-rolled steel flat products*;
  - d) AS/NZS 3678:2016, *Structural steel – Hot-rolled plates, floorplates and slabs*;
  - e) AS/NZS 3679.1:2016, *Structural steel – Hot-rolled bars & sections*;
  - f) AS/NZS 3679.2:2016, *Structural steel – Welded I sections*;
  - g) AS/NZS 5131:2016, *Structural steelwork – Fabrication and erection*<sup>1</sup>
3. Cold-formed Structural Steels:
  - a) AS 1074-1989 (R2018) *Steel tubes and tubulars for ordinary service*;
  - b) AS 1579-2001 (R2018) *Arc-welded steel pipes and fittings for water and waste-water*;
  - c) AS/NZS 1163:2016, *Cold-formed structural steel hollow sections*;
  - d) EN 10219: 2006, *Cold formed welded structural hollow sections of non-alloy and fine grain steels*
4. Structural Connectors and anchors:
  - a) ACRS Technical Approval “*Reinforcement couplers*”;
  - b) AS/NZS 1252:2016, *High-strength steel fastener assemblies for structural engineering – Bolts, nuts and washers*.
  - c) EN 14399: 2018, *High-Strength Structural Bolting Assemblies For Preloading*

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<sup>1</sup> Note: ACRS certifies the off-site fabrication of welded sections to AS/NZS 5131. Therefore, the Scope of ACRS certification to AS/NZS 5131 excludes sections 11 – Erection and 14 – Site Modifications during erection.



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In addition to the above Product Requirements, any Product Class may also be required to be Approved to the Product Requirements stipulated by:

- a) AS 3600:2018, *Concrete structures*;
- b) AS 4100:1998, *Steel structures*
- c) AS 5100.5:2017, *Bridge design – Concrete*;
- d) AS/NZS 2327:2017, *Composite structures – Composite steel-concrete construction in buildings*;
- e) AS/NZS 5100.6:2017, *Bridge design – Steel and Composite Construction*;
- f) NZS 3109: 1997, *Concrete construction*;
- g) NZS 3404.1:1997 *Steel structures Standard, Materials, fabrication, and construction*
- h) Government specifications and/or manufacturers' specifications;

This list shall be modified from time to time to suit usage requirements.

## DOCUMENT CONTROL

Most recent version	Operative date	Summary of changes from last version	Approved by
2.6	27/05/2020	Addition of reference to new edition AS/NZS 4671; 2019. Addition of reference to EN 14399 - <i>High-Strength Structural Bolting Assemblies For Preloading</i> . Renaming "Ancillary products" as "Structural Connectors and anchors". Moving all approved standards into appropriate class.	Board
2.5	04/12/2019	Addition of reference to BS 6744: 2016 <i>Stainless Steel Bars – Reinforcement of Concrete – Requirements and Test Methods</i> to reflect JAS-ANZ scope of accreditation. Reference to AS/NZS 5131 moved to Section 2 and footnote added.	Board
2.4	04/06/2019	Amendment of reference to AS 3600 to reflect new 2018 edition, and addition of AS 1074 (R2018) <i>Steel tubes and tubulars for ordinary service</i> , to reflect JAS-ANZ scope of accreditation.	Executive Director
2.3	29/08/2018	Addition of reference to AS 1579-2001 Arc-welded steel pipes and fittings for water and waste-water and amendment of reference to NZS 3404.1 to reissued 1997 version	Board



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2.2	30/05/2018	Addition of BS EN 10219 <i>Cold formed welded structural hollow sections of non-alloy and fine grain steels</i>	Board
2.1	07/02/2018	Amendment to reflect ACRS's updated scope of JAS-ANZ accreditation to AS 1442 and AS/NZS 5131.	Board
2.0	31/05/2017	Grouping of Assessable Materials to reflect new Product Classes referenced in Scheme Rules V11	Board
1.2	26/05/2016	Addition of reference to AS 3597 after board approval	Board
1.1	10/02/2016	Addition of reference to Assessable Materials	Executive Director
1.0	30/03/2015	Board approval	Board
Draft 1	27/03/2015	Preliminary draft of the list based on the previous clause 4 of the ACRS Rules.	