

# ChemSet™ Anchor Stud

## Chemical Anchoring Accessories

**Product Identifier** ChemSet™ Anchor Stud, CS\_\_\_\_\_, CS\_\_\_\_\_, SS, CS\_\_\_\_\_GH

### Product description

ChemSet™ Anchor Studs are made to work in conjunction with Ramset™ Chemical Anchors to create a permanent fastening stud in a range of substrates. They are made from a range of materials, lengths and gauges to suit a range of applications.

### Relevant building code clauses

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (b, d, e, f, g, h, j, q), B1.3.4

B2 Durability — B2.3.1 (a)

### Contributions to compliance

For B1 Structure and B2 Durability refer to the ChemSet™ Anchor Studs-Inserts Catalogue listed in supporting documentation.

### Scope of use

ChemSet™ Anchor Studs are made from quality Grade 5.8 carbon steel to get the most out of adhesive tensile capacities and provide higher shear capacities than regular Grade 4.6 grade studs. Galvanising of ChemSet™

Anchor Studs meets Australian Standards. Stainless Steel ChemSet™ Anchor Studs are high corrosion resistant AISI 316 (A4).

### Features and benefits:

- High performance Grade 5.8 Carbon Steel
- Zinc plated for indoor or dry climates
- Hot dip galvanised to AS 1650 and AS 1214
- Hot dip galvanised to 42 micron for exterior applications
- High performance AISI 316 Stainless Steel for coastal applications
- Pre-cut to standard chemical anchoring lengths
- Supplied with nuts and washers
- Depth set mark to ensure correct embedment
- Reliable external hex drive for installing capsules
- Chisel-ended to prevent unthreading

### Conditions of use

Fixing of ChemSet™ Anchor Studs should be performed by a skilled professional. To ensure maximum shear strength, the stud should be inserted to a minimum depth indicated on the stud. ChemSet™ Anchor Studs should only be used with Ramset™ Chemical Anchors.

**Supporting documentation** The following additional documentation supports the above statements:

Title (type)	Version	URL
Ramset™ Specifiers Guide NZ (Design, Installation, Maintenance)		<a href="https://ramset.com.au/wp-content/uploads/2023/07/ramset_Specifiers_Guide_NZ_July-2023.pdf">https://ramset.com.au/wp-content/uploads/2023/07/ramset_Specifiers_Guide_NZ_July-2023.pdf</a>
Ramset™ ChemSet™ Anchor Studs and Anchors Catalogue (Design, Installation)		<a href="https://ramset.com.au/wp-content/uploads/2023/07/ramset_CS12160GH_catalogue_ChemSet%E2%84%A2-Anchor-Studs-Inserts.pdf">https://ramset.com.au/wp-content/uploads/2023/07/ramset_CS12160GH_catalogue_ChemSet%E2%84%A2-Anchor-Studs-Inserts.pdf</a>

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Contact details	
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**Warnings and bans**

This product line is not subject to any warning or ban under Section 26 of the Building Act 2004

### Appendix - Building code performance clauses

All relevant building code performance clauses listed in this document:

#### B1 Structure

**B1.3.1**  
Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout their lives.

**B1.3.2**  
Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during construction or alteration when the building is in use.

**B1.3.3**  
Account shall be taken of all physical conditions likely to affect the stability of buildings, building elements and sitework, including:

- (b) imposed gravity loads arising from use
- (d) earth pressure
- (e) water and other liquids
- (f) earthquake
- (g) snow
- (h) wind
- (j) impact
- (q) time dependent effects including creep and shrinkage

**B1.3.4**  
Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the building,
- c. effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of buildings

#### B2 Durability

**B2.3.1**  
Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:

- (a) the life of the building, being not less than 50 years, if:
  - i. those building elements (including floors, walls, and fixings) provide structural stability to the building, or
  - ii. those building elements are difficult to access or replace, or
  - iii. failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

**For further information, please contact Ramset™**  
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