

BraceSet™

Bracing Anchor



Reid™ BraceSet™ Bracing Anchor is the ideal solution for anchoring the slotted feet of concrete wall panel braces, at either end of the brace.

BraceSet Bracing Anchor Key Features:

- Heavy Duty load controlled torque setting expansion anchor
- High tensile and shear capacities
- Uses a common 30mm AF hex head socket
- 20mm diameter drilled hole
- Ideal for use at either end of the precast panel brace
- Simple removal leaving no messy protrusions



Figure 1: Reid BraceSet Bracing Anchor

Table 1: Compliance details

Clause number	Requirement	Compliant
2.2	WLL derived from testing in accordance with Appendix A	✓
2.5	Ductile materials	✓
	Washer sized to transfer load across brace foot slot	✓
2.10	Statement of intended use 'BraceSet bracing anchor is intended to secure either end of a precast concrete panel brace (as defined in AS 3850.1:2015) when installed in accordance with this information'.	✓
Appendix A	Product Validation through testing to confirm compliance of critical specification requirements (dimensions, material properties and load bearing capacity where appropriate).	✓ * See note on p2
A3	Comprehensive test report produced according to A9.7	✓
A4	Statistical evaluation of test results	✓
A9.4.1	Torque tests assessed according to A9.5.1	✓
A9.4.2	Basic tension tests assessed according to A9.5.3	✓
A9.4.3	Cyclic slip tension tests assessed according to A9.5.4	✓
A9.4.4	Shear tests assessed according to A9.5.5	✓



Table 2: Installation details

Part (order) number	Concrete drilled hole diameter (mm)	Maximum fixture thickness (mm)	To suit brace foot slot width (mm)	Tightening torque (Nm)	Minimum dimensions		
					Anchor edge distance e_c (mm)	Anchor spacing a_c (mm)	Substrate thickness (mm)
BA20115	20	25	21 - 26	150	300	500	150 ^

^Slab on ground thickness can be 125mm provided drilling breakthrough is permitted.

Figure 2: Installation details

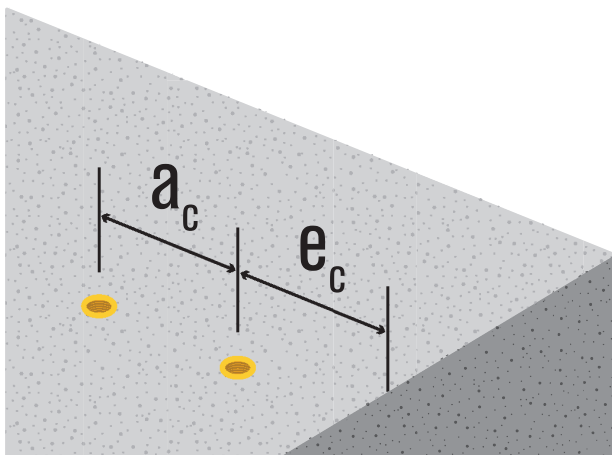


Table 3: Performance details

Part (order) number	Minimum Concrete compressive strength (MPa)	Tensile capacity (kN)	Shear capacity (kN)
BA20115	20	16.2	43.4

To reflect the progress of the industry and the new innovative uses of precast and tilt-up construction, Australian Standard AS 3850 was updated in 2015. This update included a change in title to AS 3850:2015 Prefabricated Concrete Elements, a widened scope to include all prefabricated elements in Building Construction and splitting of the document into two parts:

- Part 1, called 'General requirements' details the new performance and testing requirements for suppliers of componentry into the industry. These new requirements are significantly different to AS 3850:2003 and should enable the industry to have greater confidence in the products that they are specifying and using;
- Part 2, called 'Building construction', aligns with the 2008 National Code of Practice for Precast, Tilt-Up and Concrete Elements in Building Construction and focuses on the interrelation of the various stages of manufacture, construction, transport and erection. It is specifically for the construction design and documentation of prefabricated concrete elements in building construction and provides guidance for the Erection Designer and highlights the importance of the Erection Design and Documentation.

The new AS 3850:2015 is central for the safe, efficient and cost-effective manufacture, construction, transport and erection of prefabricated concrete elements.



Quality ISO 9001
SAI GLOBAL

All Reid™ branded products and all products manufactured at our Melbourne manufacturing facility are designed, manufactured, tested and supplied in compliance with our Quality Management System which has been independently audited and certified by SAI Global to ISO 9001:2015. ramsetreid™ undertake strict quality control processes to ensure performance specifications and metallurgical properties are maintained.

* ramsetreid™ are currently in discussions with Australian Standards and the BD-066 committee regarding the wording of Clause A5.3 and the associated cost implications to the Precast industry. ramsetreid™ manage production validation in compliance with our ISO 9001:2015 quality management system. It is expected that Clause A5.3 will be reviewed in 2016 by the BD-066 committee.

Customer Service Centre 1300 780 250 www.ramsetreid.com

ramsetreid™ 1 Ramset Drive, Chirside Park 3116

In the interests of product improvement, ramsetreid™ reserves the right to alter product specifications as required. Information included in this compliance document is correct at time of printing. It is the responsibility of the user to ensure product selected is appropriate for its intended use. For further technical information go to www.ramsetreid.com or contact ramsetreid™ on the numbers indicated. ITW Australia Pty. Ltd. ABN 63 004 235 063 trading as ramsetreid™ © Copyright 2017™ Trademarks of Cetram Pty. Ltd. used under license by ramsetreid™