

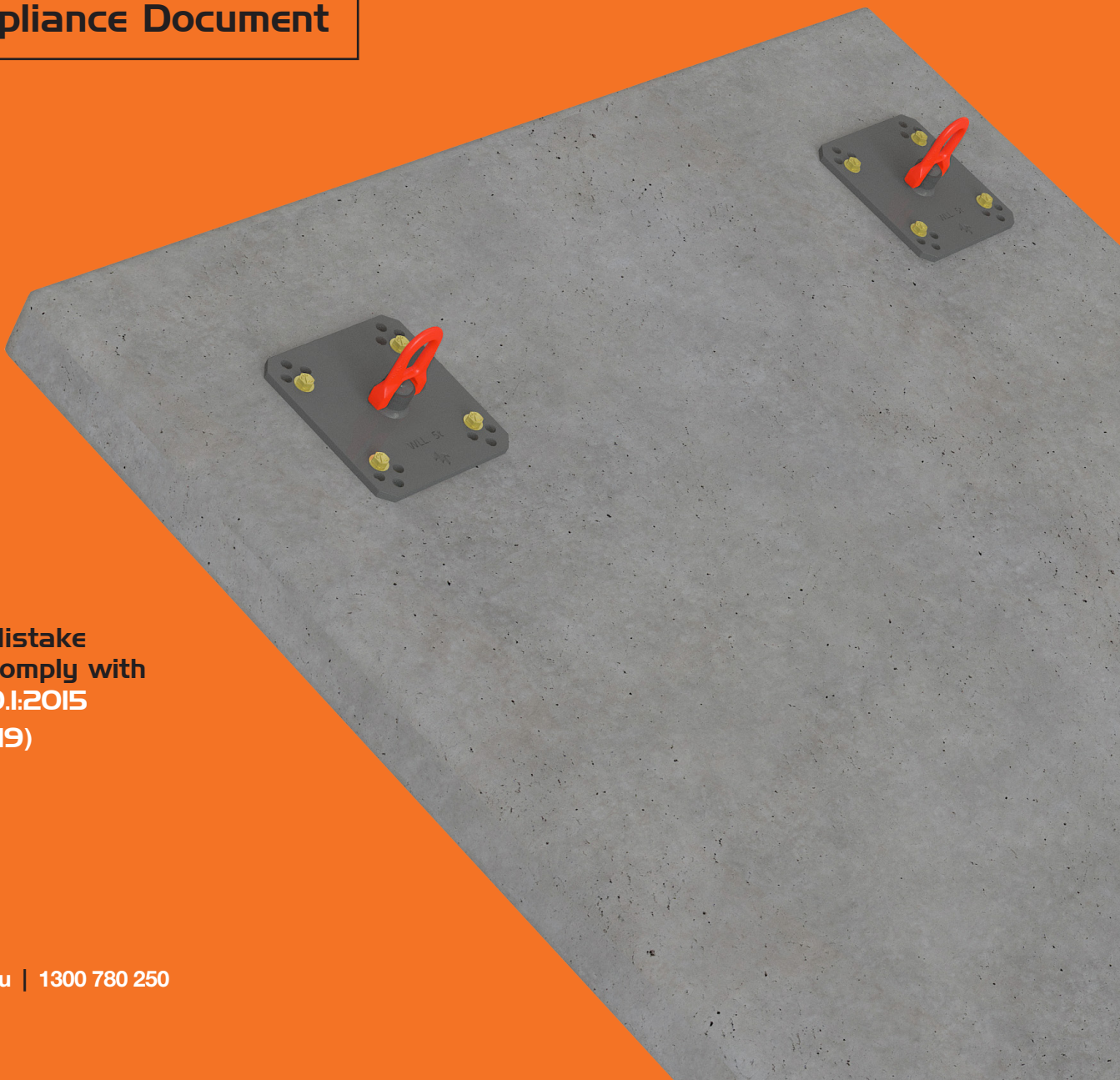


August | 2021

AU

Reid™ Mistake Plate

Compliance Document



Reid™ Mistake
Plates comply with
AS3850.1:2015
(+AI 2019)

Reid™ Mistake Plate

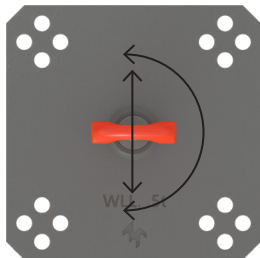


Reid Mistake Plates are typically used in instances where there has been an error in anchor placement or an anchor that has been deemed unfit for use.

The updated design of the mistake plate, consisting of a swiveling head, allows the plate to be loaded in any direction with no impact on capacity.

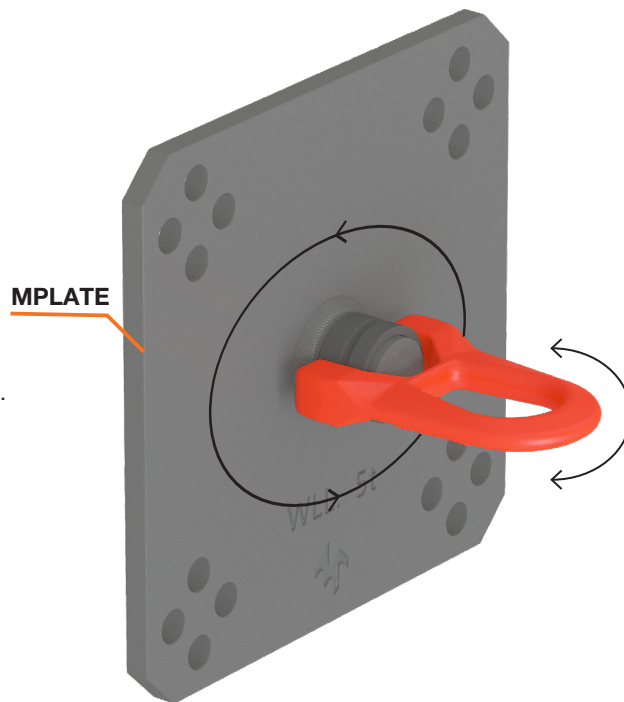


Figure 1:
Reid™ Mistake Plate



Reid™ Mistake Plate Key Features:

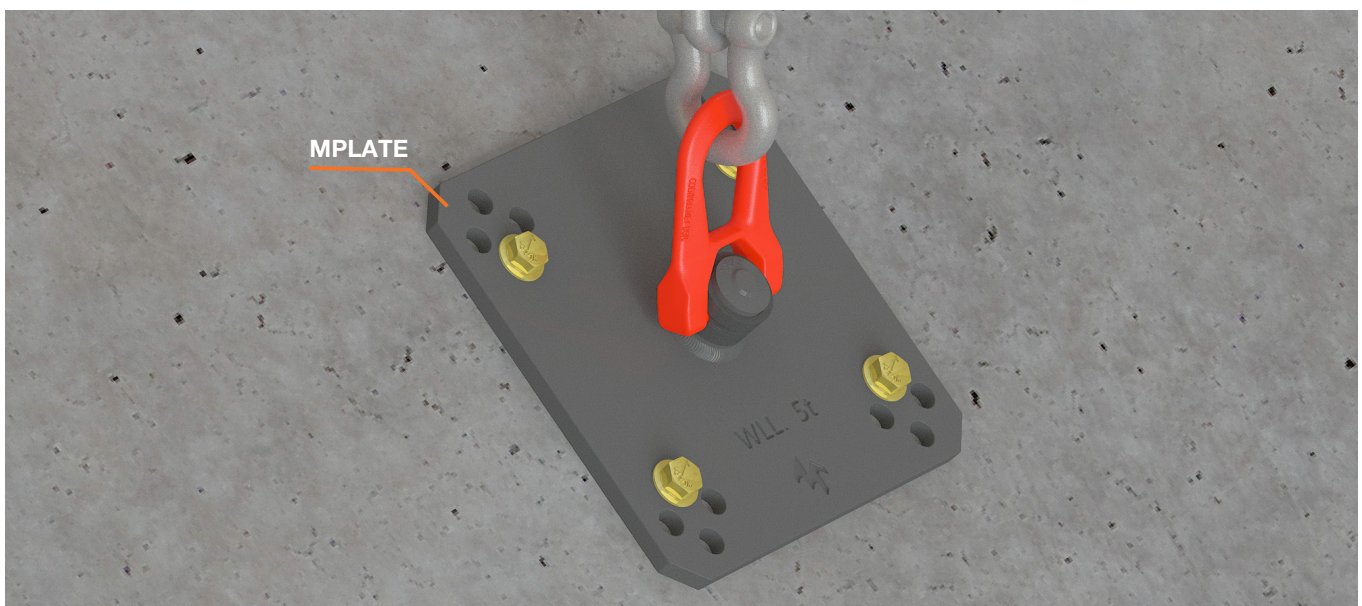
- Designed for use where a lifting anchor has been omitted or installed incorrectly in a concrete panel.
- 5 tonne WLL
- Suitable for use with thicknesses of 150mm and above.
- Designed in accordance with AS3850.1:2015 (+A1 2019)
- Made in Australia
- NATA Proof Load Certificate
- Lifting Eye has multiple axis of movement which can swivel and rotate to safely manoeuvre during lifting of concrete elements.
- Multiple bolt holes allow greater range for BraceSet Anchor location fixing.



Compliance Details

Table I: AS3850.1:2015 (+AI 2019) Compliance Details

Clause	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 (+A1:2019) 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).	✓
A3	Comprehensive test report produced according to A9.7	✓
A4	Statistical evaluation of test results	✓
A9.4.1	Torque tests assessed according to A9.5.2	✓
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	✓



Product Specification

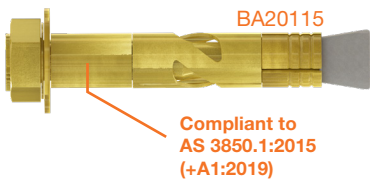
AS 3850.1:2015 (+A1:2019) Compliant



Reid Mistake Plates are typically used in instances where there has been an error in anchor placement or an anchor that has been deemed unfit for use.

Mistake Plate requires 4x BraceSet™

(Product Code: BA20115) for installation into concrete.



Go to www.reid.com.au for a copy of the BraceSet AS3850.1:2015 (+A1:2019) compliance document.

The Reid Mistake Plate is marked with its rated Working Load Limit – 5T.

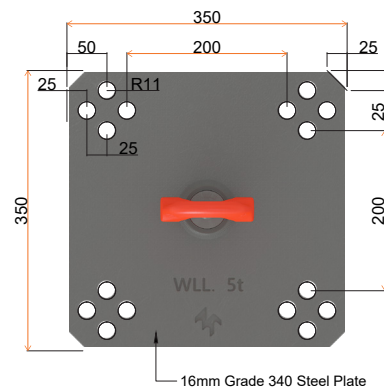
The Working Load Limit of: 5t @20MPa

Please note:

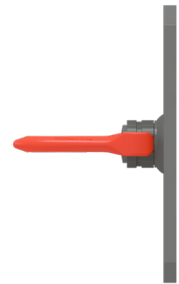
The new updated MPLATE with a swiveling head can be loaded in any direction whilst maintaining its full 5t WLL. Prior iterations of similar products (eg. 5LP) cannot.

Product Specification - MPLATE Dims

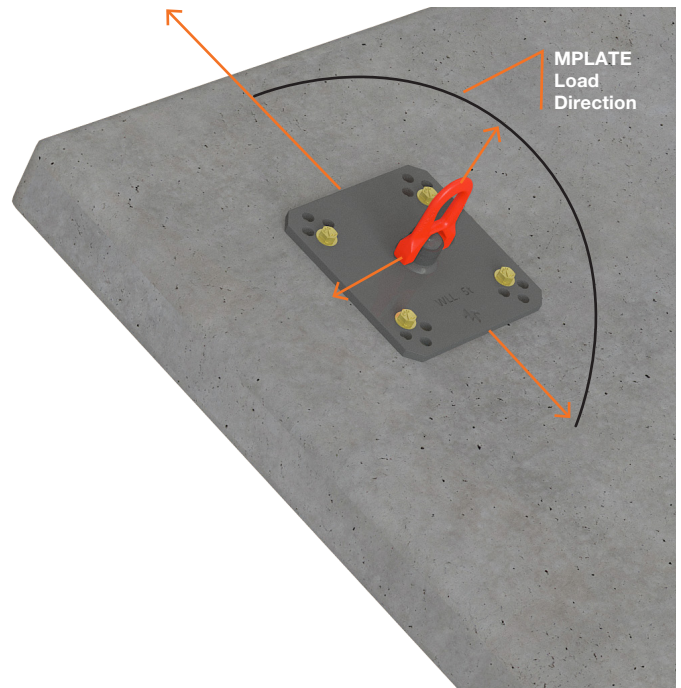
View 1



View 2



Product Specification - MPLATE and Load Direction



Installation (with post-installation QA check)

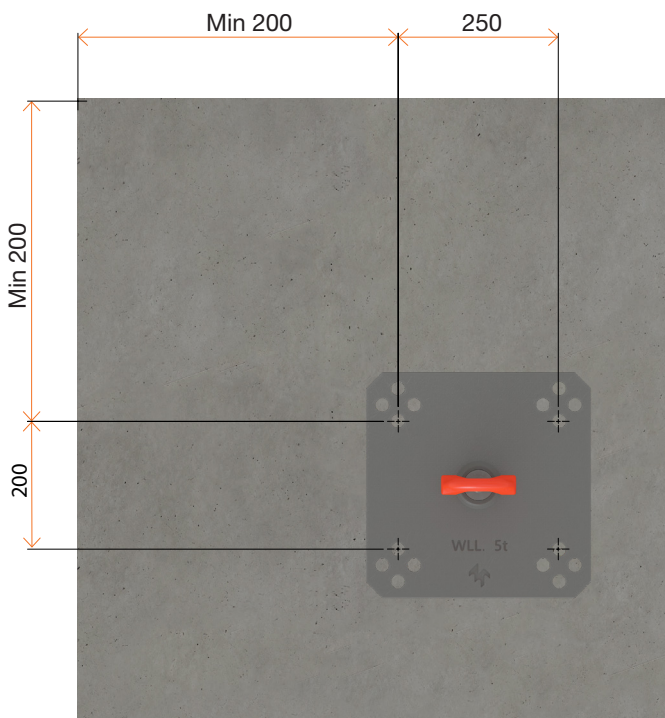
Reid MPLATE Plate Product Code

Product Code	Description	Capacity
MPLATE	5 tonne Reid Mistake Plates	5 Tonne

Please note:

Requires 4x BraceSet™ anchors (Product Code: BA20115) installed as per the Installation procedure illustrated further in this Data Sheet.

Product Specification - Minimum edge distances (mm)



Please note:

It is critical that there is 200mm minimum edge distances for the MPLATE.

Installation Specification

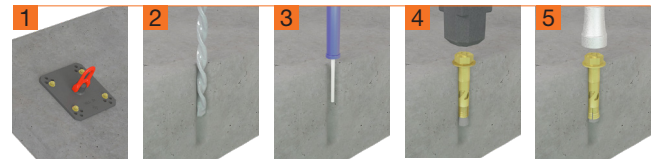
Anchor	Part No.	Drill Hole Diameter (mm)	Hole Depth (mm)	Set up Torque (Nm)	Min. Edge Distance (mm)	Min. Ctr Distance to another plate (mm)	Min. Concrete Strength (MPa)
BraceSet	BA20115	20	130***	150	200	750*	>20**

Note: Minimum concrete panel thickness to be 150mm

*750mm or as specified by Reid™ engineer.

**Ensure that the minimum concrete strength achieved is more than 20MPa

***Hole to be thoroughly cleaned - dust blown out/vacuumed



1. Centralize the MPLATE at proposed lifting point, with specified minimum distances from concrete edge and another plate.
2. Drill one hole for each corner with nominated diameter and depth.
3. Blow/Vacuum dust from the hole.
4. Position and drive the anchor with mash hammer into hole until it makes contact with the lifting plate.
5. Tighten the anchor bolts with a calibrated torque wrench to the nominated assembly torque*.

*Use calibrated torque wrench only, in accordance with AS3850.2:2015 (+A1:2018), clause 5.1.2.

Note: If reinforcing is struck and the required depth cannot be achieved, relocate the mistake plate 50mm from the original position (maintaining the minimum edge distances) and redrill the holes.

Alternatively, use another hole in the plate, maintaining required minimum edge distance or plate spacings.

If the MPLATE is installed but not used on the same day and lifting occurs at a later date, the torque setting of the BraceSet anchors should be verified prior to use to ensure they are secure in accordance with AS3850.1:2015 (+A1:2019) clause 2.5.3 (c)

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Information in this document is correct at the time of printing. Readers should contact RCS or consult RCS detailed technical information to ensure product is suitable for intended use prior to purchase.

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