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NZ ReidBar™ Coupler Range: Proven Solutions for Your Construction Needs

For over three decades, the ReidBar™ Coupler Range has been a cornerstone of construction excellence, offering unmatched quality and versatility.

Reid™ Construction Systems is committed to providing innovative and reliable reinforcing solutions to meet the diverse needs of the construction industry. We would like to highlight the compliance differences of our ReidBar Coupler Range, which includes two distinct types of couplers designed to cater to various structural and non-structural applications.

Type 1 : ReidBar Steel Coupler



The ReidBar Steel Coupler is constructed from high strength Steel and is **fully compliant with both NZS3101:2006 A3 and the NZTA Bridge Manual 3rd Edition A4**. This coupler is engineered for excellence and is suitable for use in all steel reinforcing applications.

Whether your project involves complex architectural designs or robust industrial structures, the ReidBar Steel Coupler offers a full reinforcing bar-break solution with the reliability that you have come to expect.

Type 2 : ReidBar Ductile Cast Iron (DCI) Coupler





The ReidBar Ductile Cast Iron (DCI) Coupler is crafted from Spheroidal Graphite Iron, a material renowned for strength and durability.

While this coupler is **non-compliant with Amendment 3 of NZS3101:2006 and with the NZTA Bridge Manual**, it remains a versatile and economic solution for a range of construction applications.

The DCI Coupler is an excellent choice for projects requiring temporary threaded bar applications, offering dependable, bar-break performance in a variety of scenarios.

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	ReidBar™ Steel Coupler	ReidBar™ Ductile Cast Iron (DCI) Coupler
Image		
Description	The ReidBar Steel Coupler is constructed from high strength Steel for superior performance.	The ReidBar Ductile Cast Iron (DCI) Coupler is crafted from Spheroidal Graphite Ductile Cast Iron, a material renowned for strength and durability.
Material	Chrome Molybdenum Alloy Steel	Spheroidal Graphite (SG)
Available Sizes	All Available ReidBar Diameters 12mm, 16mm, 20mm, 25mm and 32mm Also available in Galvanized Finish.	All Available ReidBar Diameters 12mm, 16mm, 20mm, 25mm and 32mm Also available in Galvanized Finish.
Applications	<ul style="list-style-type: none"> • Concrete to Concrete reinforcement connections • Mechanical Reinforcement Splices • Wall-to-Slab Connections • Column-to-Beam Connections • Panel to panel Connections 	<ul style="list-style-type: none"> • Temporary Works • Soil and rock ground anchoring • In-situ Formwork Ties • Precast strong backs & supports
Compliance	<p>Compliant To:</p> <ul style="list-style-type: none"> • NZS 3101:2006 A3 • NZTA Bridge Manual 3rd ed. A4 • ISO15835 (1 & 2) <p><i>Requires Ramset Epcon C8 Epoxy</i></p> <ul style="list-style-type: none"> • BS 8081:2015 <p><i>Code of practice for grouted anchors</i></p>	<p>Compliant To:</p> <ul style="list-style-type: none"> • BS 8081:2015 <p><i>Code of practice for grouted anchors</i></p> <p>Non-Compliant to:</p> <ul style="list-style-type: none"> • NZS3101.1&2:2006- A3 • NZTA Bridge Manual 3rd ed. A4
Quality Assurance	Quality Management System to ISO 9001:2015	Quality Management System to ISO 9001:2015

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In an effort to continuously improve our ReidBar™ Reinforcing Connection system offer and maintain continued strict compliance to the NZBC & Associated Construction Standards, we provide the following overview to the changes released with Amendment 3 of NZS3101.1&2:2006.

The Amendment introduced some modifications compared to the previous version, including the following key points:

- **Cast-Iron Couplers and Anchors are no longer permitted in Amendment 3**
- Reference to ISO 15835-1 and 2, (Low Cycle and High Cycle Fatigue)
- Brittle fracture of ends of Post threaded reinforcing bar is not permitted.
- Couplers and Anchors must exhibit resistance to brittle fracture at the intended service temperatures of the structures they are being utilised in.

As per Amendment 3, the ReidBar™ DCI Couplers are not compliant with NZS3101:2006. They are now only offered as a cost-effective alternative for temporary works, ground anchoring solutions and non-structural applications.

To ensure compliance with ISO15835-1 & 2, Ramset Epcon™ C8 Xtrem™ epoxy must be installed as a thread filler with the ReidBar Steel Couplers, iPort Flange Anchors, Threaded Inserts and Grout Sleeves.

As we continue to prioritise transparency and precision in our product offerings, we aim to ensure that our customers are well-informed about the best practices and compliant applications for each product we supply to the NZ Construction Industry.

We trust that this bulletin will serve as a valuable resource to guide you in choosing the appropriate ReidBar Coupler for your specific construction applications.

For further product inquiries, or assistance with the outlined details above, please contact your local REID™ representative, or our REID™ New Zealand Customer Service Centre at:
Phone: 0800 88 22 12.