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NZ

GENUINE 

ReidBar™ iPort Flange Anchor

Compliance Document

Independently tested to demonstrate compliance with the performance requirements of NZS 3101 Amendment 3 and of the NZTA Bridge Manual 3rd Edition Amendment 4



Compliance Details

ReidBar™ iPort Flange Anchor



NZS 3101 Amendment 3 Compliance Details

The following detail summarises the scope of assessment and testing completed to meet NZS3101:Part 1:2006 A3 requirements. Testing has been performed in a Third Party test facility using methods and processes to meet the highest standards providing assurance that designers can be confident in specifying the ReidBar™ iPort™ Flange Anchor.

Clause	Requirement	Compliant
Elongation at 0.7f _y	8.7.5.2 (b) for requirements and testing.	
High-Cycle Fatigue	8.9.1.3 (b) refers to 5.4 of ISO 15835-1:2009 for requirements and to 5.5 of ISO 15835-2:2009 for testing.	
Large Strains / Low-Cycle Fatigue	8.9.1.3 (a) refers to 5.6.2 of ISO 15835-2:2009 for requirements and testing.	
Ultimate Tensile Strength / (UBBS)	8.6.11.1 & 8.6.11.2 for requirements.	
Mode of Failure	8.6.11.1, 8.6.11.3 and 8.6.11.4 for requirements.	
Resistance to Brittle Fracture	8.6.11.4 for requirements.	

Compliance Details

ReidBar™ iPort Flange Anchor



NZTA Bridge Manual 3rd Edition Amendment 4. Compliant

NZTA Bridge Manual 3rd Edition Amendment 4 Compliance Details

The following detail summarises the scope of testing completed to meet NZTA Bridge Manual 3rd Ed. A4 requirements. Testing has been performed in a Third Party test facility to meet the highest standards and processes providing assurance that designers can be confident in specifying the ReidBar™ iPort™ Flange Anchor in Civil Infrastructure applications.

Clause	Requirement	Compliant
Elongation at $0.7f_y$	4.2.1 (f) (i) refers to 8.7.5.2 (b) of NZS 3101 for requirements and testing	
High-Cycle Fatigue	4.2.1 (f) (i) refers to NZS 3101 and to ISO 15698-1:2009 for requirements (category F2), with reference to ISO 15835-1:2009 (category F) for load cycles and stress range.	
Large Strains / Low-Cycle Fatigue	4.2.1 (f) (i) refers to 8.6.11 and 8.9.1.3 of NZS 3101 and to ISO 15698-1:2012 (category S) for requirements	
Ultimate Tensile Strength / (UBBS)	4.2.1 (f) (i) refers to 8.6.11 of NZS 3101 for requirements	
Mode of Failure	4.2.1 (f) (i) refers to 8.6.11 and 8.9.1.3 of NZS 3101 and to ISO 15698-1:2012 (category S) for requirements	
Resistance to Brittle Fracture	4.2.1 (f) (iv) refers to 8.6.11.4 of NZS 3101 for requirements and to AS 1544.2 (Charpy V-notch impact resistance) and to AS/NZS 3678 for testing and acceptance respectively	



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