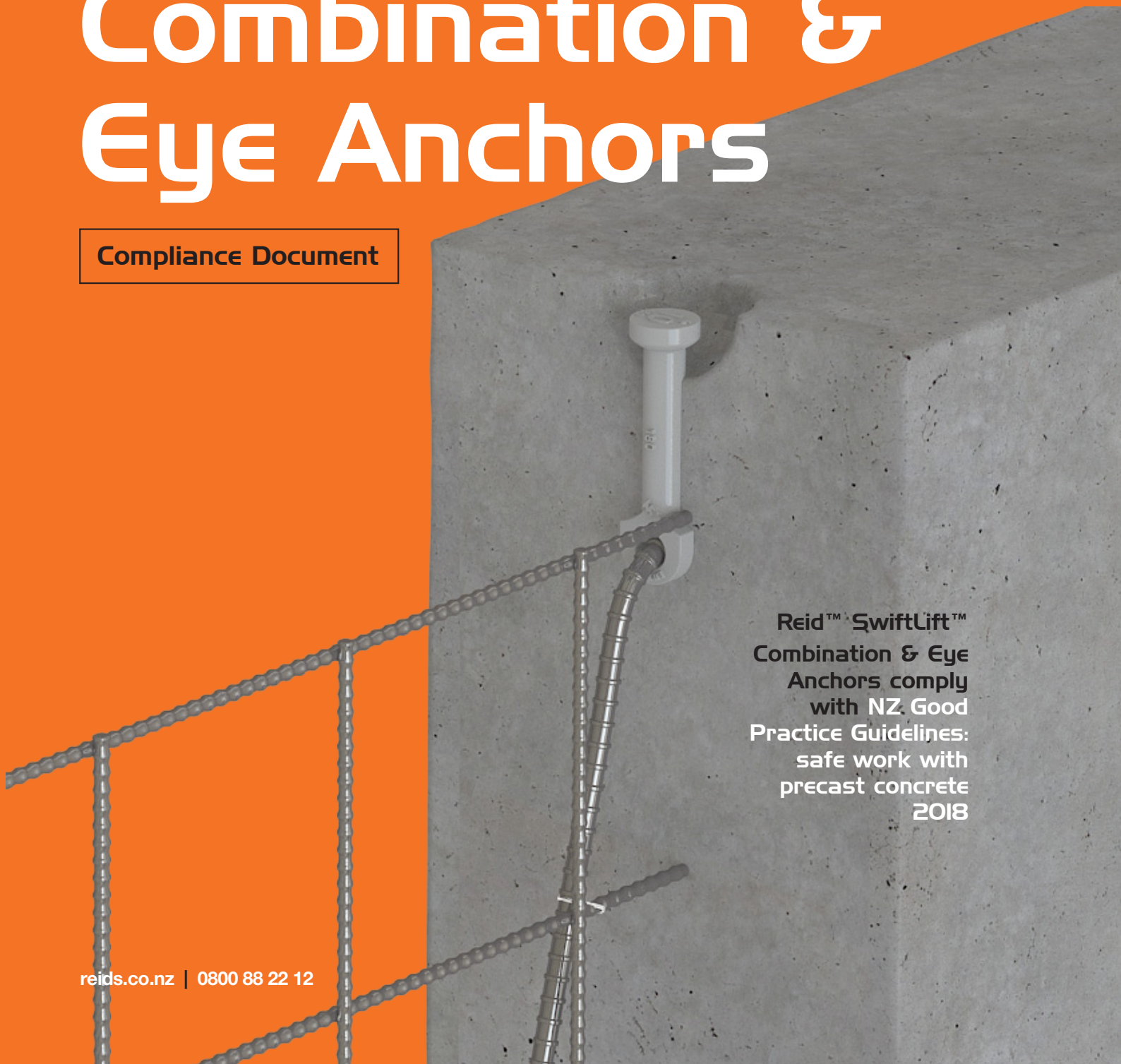
reid™

CHARTERED VERIFIED ENGINEER

June | 2026 NZ

Reid™ SwiftLift™ Combination & Eye Anchors

Compliance Document



Reid™ SwiftLift™ Combination & Eye Anchors comply with NZ Good Practice Guidelines: safe work with precast concrete 2018

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Reid™ SwiftLift™ Combination & Eye Anchors

Forged from steel bar with an enlargement formed at each end.

For maximum tensile capacities these anchors can be combined with additional reinforcement. Ideal for use in thin walled or low strength concrete applications, where foot anchors alone would not be able to develop an appropriate pullout cone. **This product meets the building code requirements for durability B2 Durability, B2.3.1**

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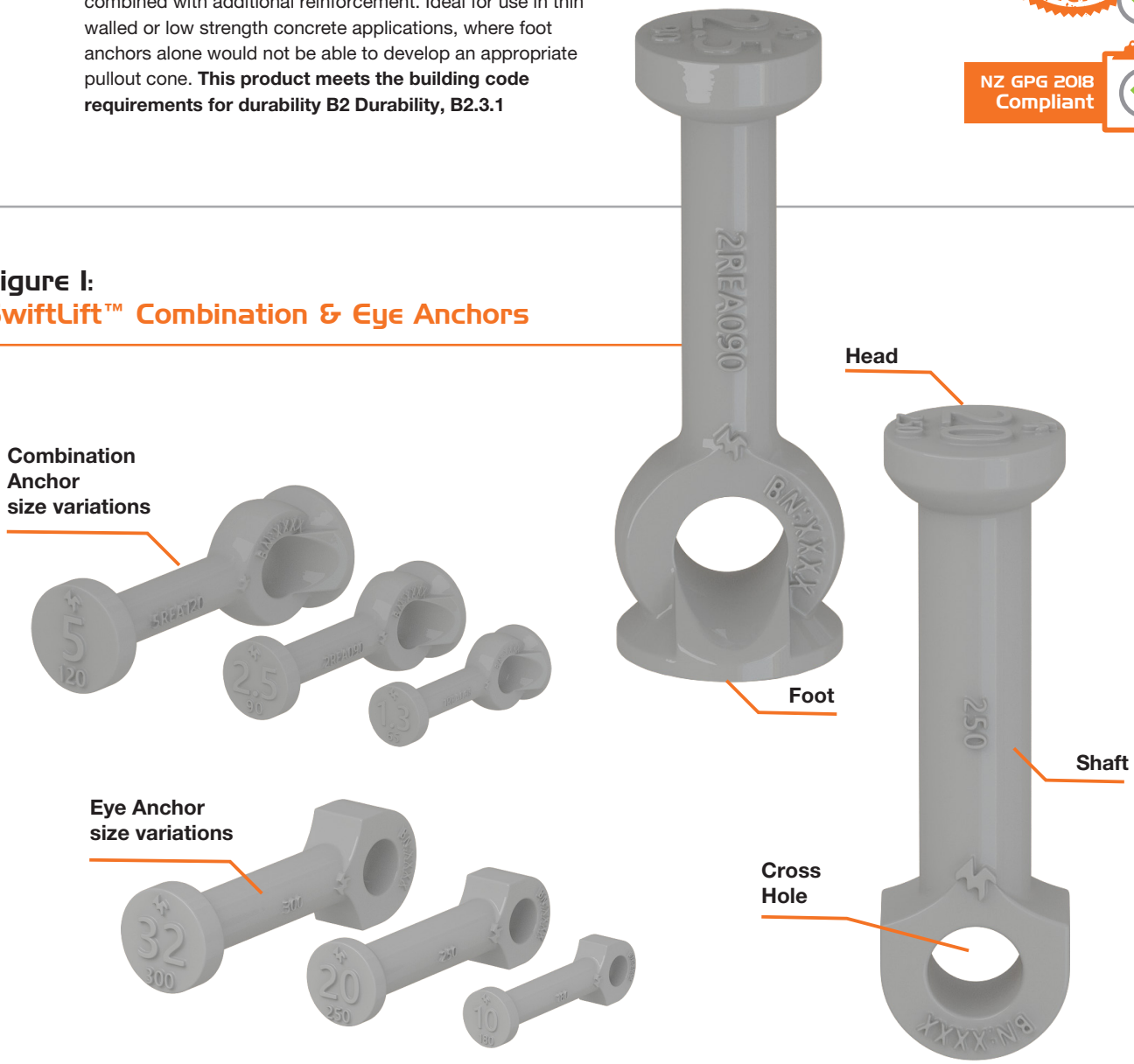
NZ GPG 2018 Compliant

Figure 1:
SwiftLift™ Combination & Eye Anchors



Compliance Details

Table I: NZ GPG 2018 Compliance Details

Clause	Requirement	Compliant
6.6	The minimum FOS for general lifting needs to be 3.0 and for repetitive lifting needs to be 5.0.	✓
6.6	The design of the lifting anchor shall include the ductile behavior and robustness of the anchor.	✓
10.11	Lifting clutches are to be made in accordance with a valid international standard or technical reference.	✓
10.11	Every item of lifting equipment should be clearly and permanently marked with its WLL. A unique numbering system to clearly identify individual items should be used.	✓
10.11	Lifting clutches are to be tested for loads in all directions and initially tested by the supplier to a factor of safety of 2.0	✓
10.11	Inspected at least every 12 months by a competent person, and a record kept of those inspections.	✓

SwiftLift™ Combination & Eye Anchors comply with NZ GPG 2018 ✓

TESTED TO LOCAL CONDITIONS

Reid™ SwiftLift™ Combination & Eye Anchors

SwiftLift™ Combination Anchors

Feature a combined foot and eye. Used with a reinforcing hanger bar, they are able to provide deeper anchorage and increased load capacity in thin wall or low strength concrete elements.

SwiftLift™ Eye Anchors

Are higher load anchors and ideal for bridge beams and other heavy precast concrete elements.

Figure 2: Reid™ SwiftLift™ Combination & Eye Anchor Markings

1

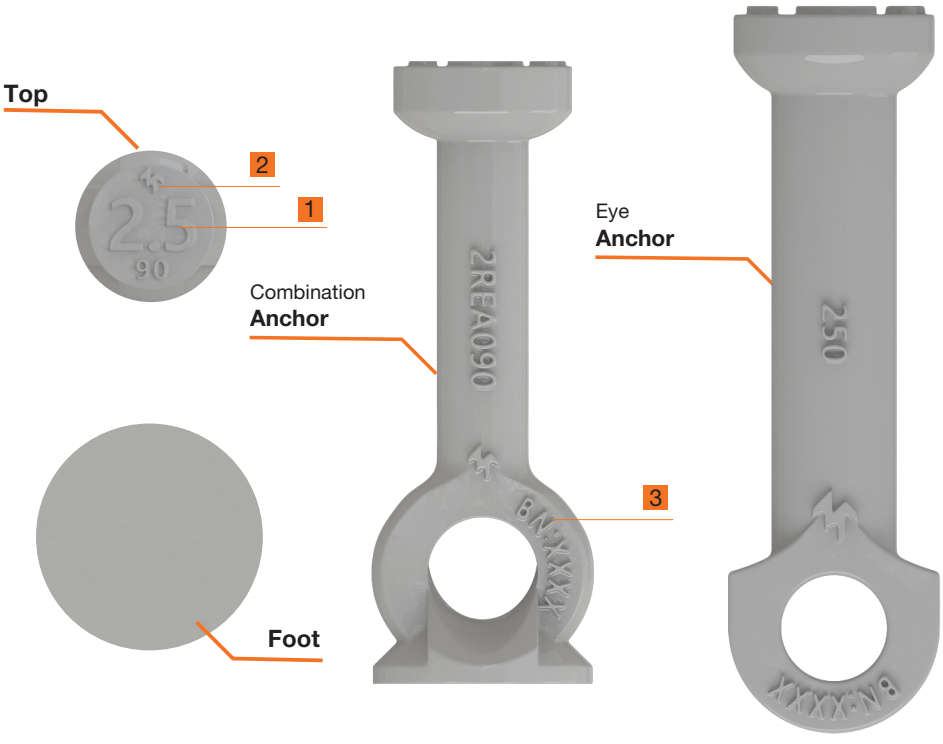
Working Load Limit

2

Reid™ symbol

3

Unique identifying batch number



Product Specifications

Note: To achieve stated tensile capacities (Table 3) anchors require supplementary reinforcement. Combination and eye anchors are designed for tensile loads only. Additional reinforcement may be required for shear capacity; please contact your local Reid™ Engineer for further information.

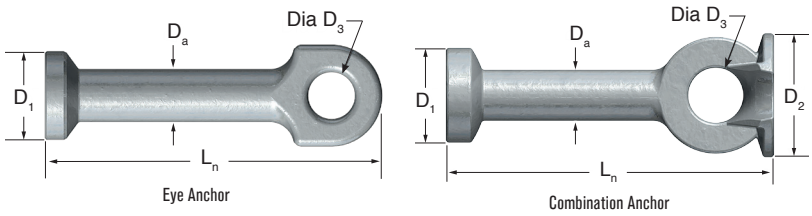


Table 2: Part Numbers & Anchor Dimensions (mm)

Load Group (t)	Shaft Diameter D_a (mm)	Head Diameter D_1 (mm)	Foot Diameter D_2 (mm)	Cross-hole Diameter D_3 (mm)	Length L_n (mm)	Recess Form Max Radius (mm)	Part No	Type
1.3	10	19	24	12	50	30	1REA050	Combination Anchor
2.5	14	26	31	15	90	37	2REA090	
5	20	36	41	20	120	47	5REA120	
10	28	46	-	25	180	59	10EA180	Eye Anchor
20	39	69	-	37	250	80	20EA250	

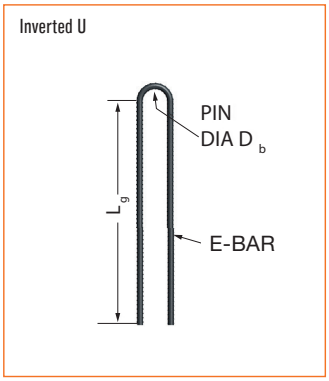
Table 3: Tensile Performance Data (WLL), tonnes

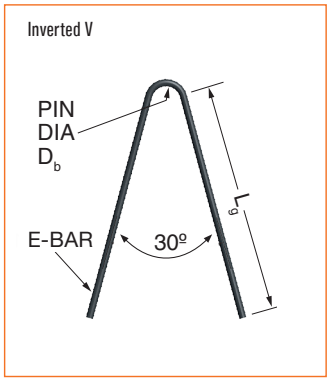
WLL (t)	T-bar Size	Bend Internal Diameter D_b (mm)	Tension Bar Leg Length L_g (mm) Concrete Strength f_{cm} (MPa)						
			10	15	20	25	30	35	40
1.3	HD10	50	530	430	380	340	310	300	300
2.5	HD12	60	640	520	450	400	370	340	320
5	HD16	80	850	690	600	540	490	450	430
10	HD20	100	1060	860	750	670	610	570	530
20	HD32	192	-	1380	1200	1070	980	910	850

Note: Tension bar lengths are based on using Grade 500E deformed bar and assumes no transverse reinforcement.
To further optimise Tension Bar Lengths, please contact your local Reid™ Engineer.

NOTE: Tension bars may be shaped as either an inverted U, or as an inverted V. If other Codes or Standards are applicable, ensure that the development length is adjusted for compliance, if necessary.

For load group 1.3t, an R10 round bar shaped as an inverted V with hook ends may be substituted for the HD10 bar.





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Reid™ SwiftLift™ Combination & Eye Anchors

Product Specifications (mm)

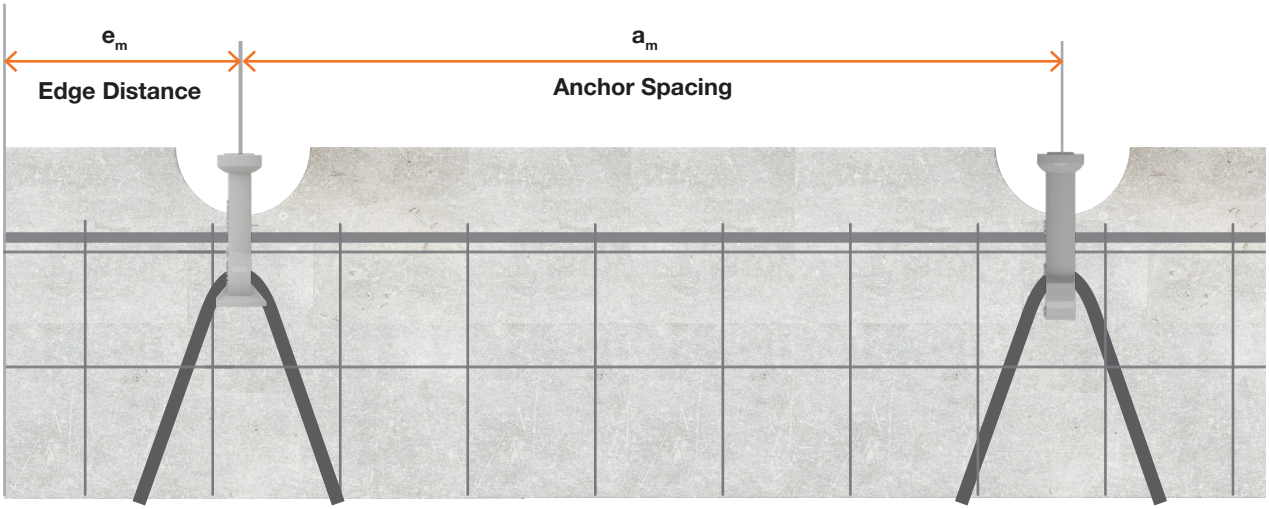
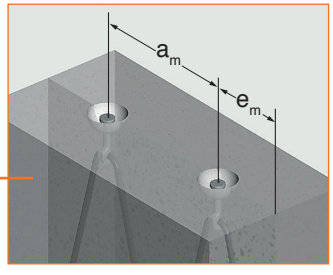


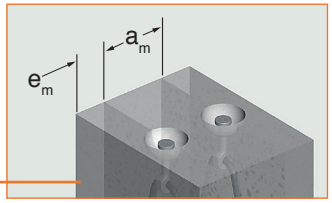
Table 4: Minimum edge and spacing distances required to achieve WLL

Load Group (t)	Parallel to T-bar Plane		Transverse to T-bar Plane	
	Min Spacing a_m (mm)	Min Edge Distance e_m (mm)	Min Spacing a_m (mm)	Min Edge Distance e_m (mm)
1.3	220	110	100	50
2.5	280	140	120	60
5	380	190	150	75
10	460	230	170	85
20	760	380	320	160

Minima Parallel to T-Bar Plane



Minima Transverse to T-Bar Plane



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Terms and Conditions

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.

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