



August | 2022 NZ

SwiftLift™ EdgeMaster™

Compliance Document

Reid™ SwiftLift™
EdgeMaster™
complies with
NZ GPG 2018



SwiftLift™ EdgeMaster™



Consistent with the Reid™ commitment to local testing, SwiftLift™ EdgeMaster™ has been extensively tested in concrete.

Analysis of the subsequent test data in accordance with NZ Good practice Guide 2018 results in EdgeMaster™ having Working Load Limit capacities that are far higher and more accurate than those simply calculated using the CCD method applicable for footed anchors.

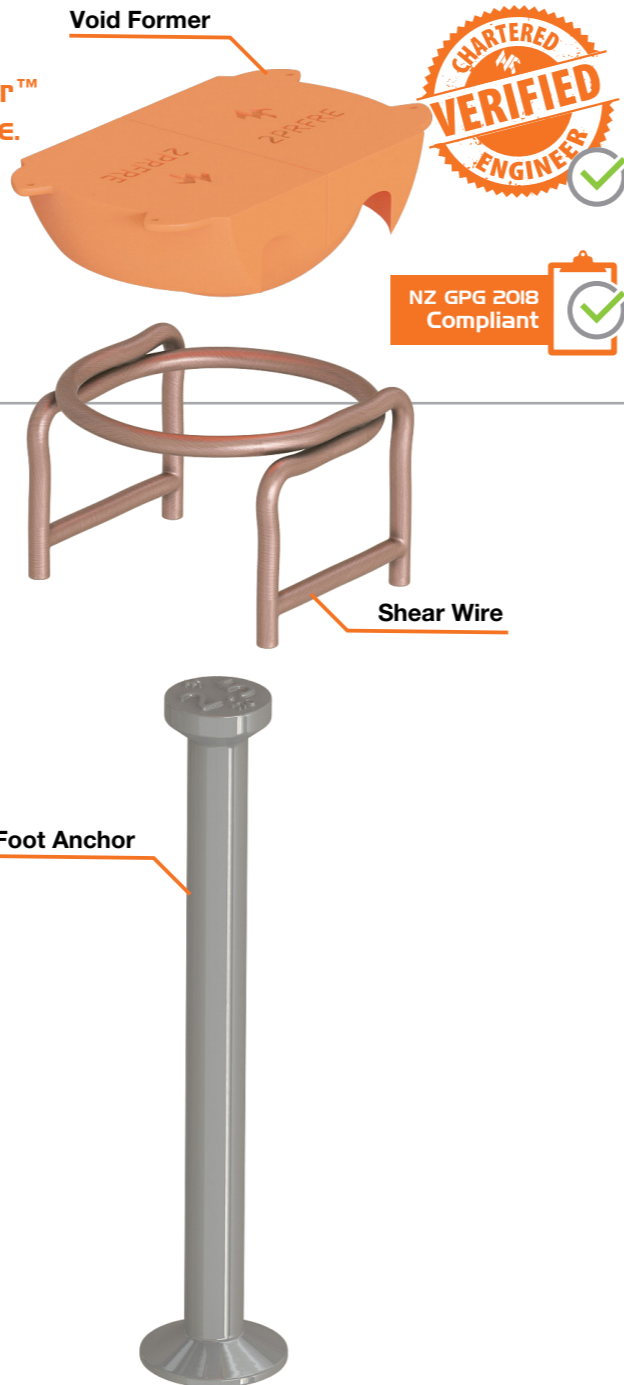
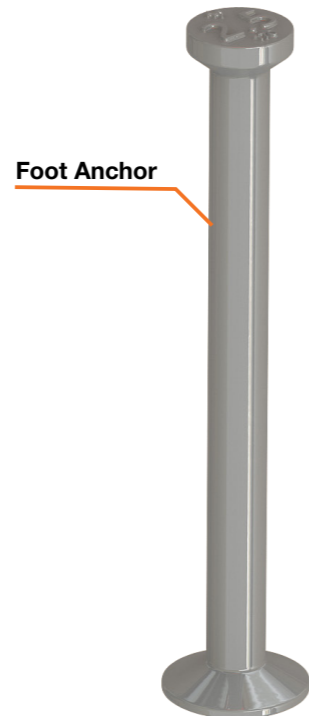
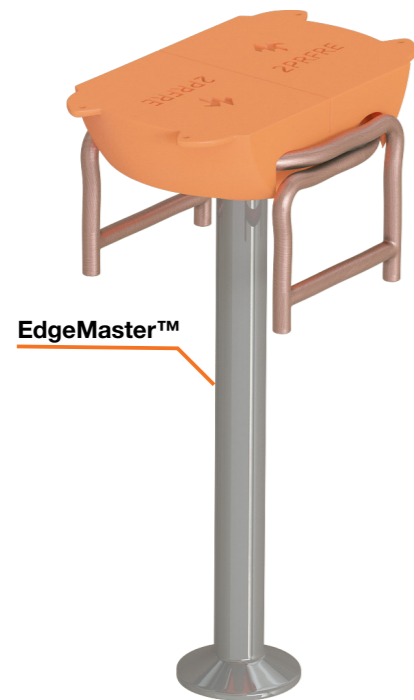


Figure 1:
Reid™ SwiftLift™ EdgeMaster™



Compliance Details

Table 1: NZ GPG 2018 Compliance Details

Clause	Requirement	Compliant
6.6	The minimum FOS for general lifting needs to be 3 and for repetitive lifting needs to be 5.0.	
	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.	
	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.	
	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	
	Inspected at least every 12 months by a competent person, and a record kept of those inspections.	

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Reid™ SwiftLift™ EdgeMaster™

The patented EdgeMaster™ System allows the use of 2LE SwiftLift™ Lifting Eye while protecting the element from concrete spalling.

Table 2: Part Number & Pack Quantity's

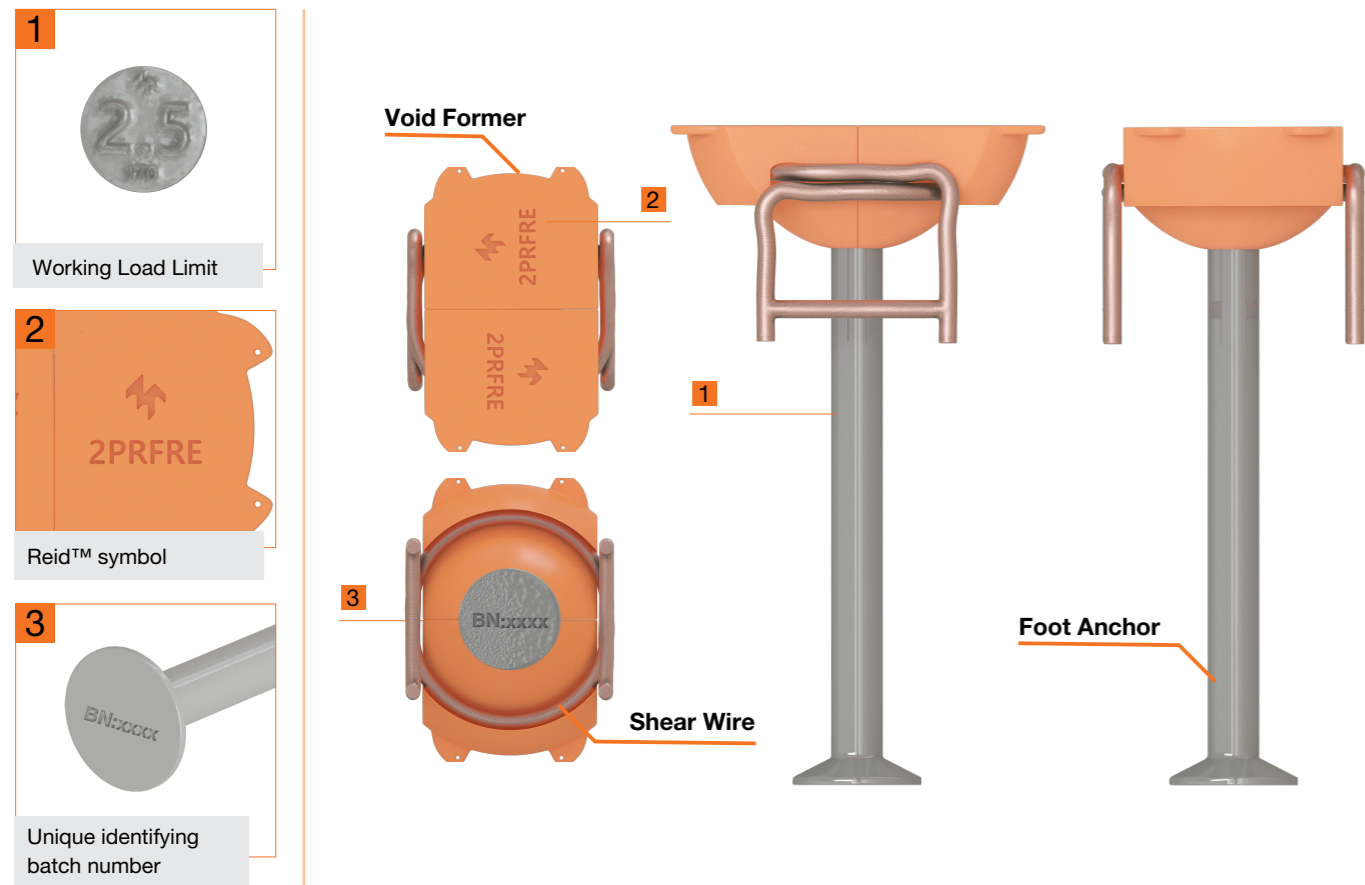
Part No.	Description	Anchor Length (mm)	Pack Qty
2EMFA170R	EdgeMaster	170	16
2EMFA170RSS*	EdgeMaster SS	170	16



Note: Requires 2LE clutch.

*SS EdgeMaster™ available upon request and subject to lead time.

Figure 2: Reid™ EdgeMaster™ and Foot Anchor Markings



Reid™ SwiftLift™ EdgeMaster™

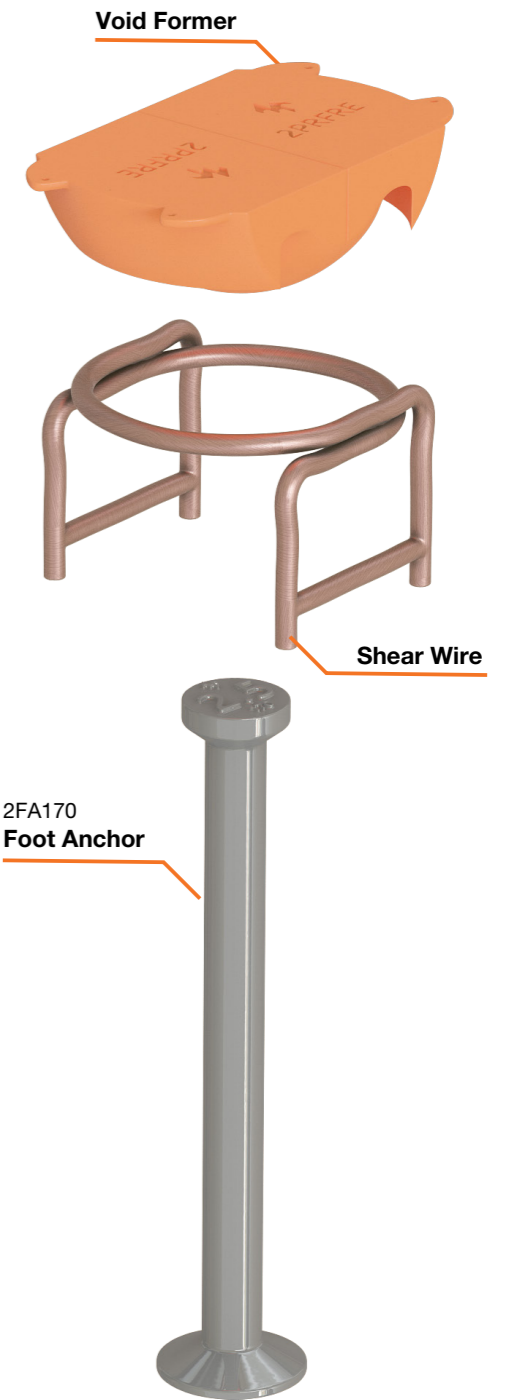
Product Specifications

Table 3: SwiftLift™ EdgeMaster™ Components

Part Description	Qty
Plastic Recess Former	1
Shear Wire	1
SwiftLift Foot Anchor (2.5t)	1

Note: Figure 2 shows the important markings to look for on the SwiftLift™ EdgeMaster™ anchors and typical SwiftLift™ Foot Anchor system markings.

Figure 3: Reid™ EdgeMaster™ Insitu Isometric View



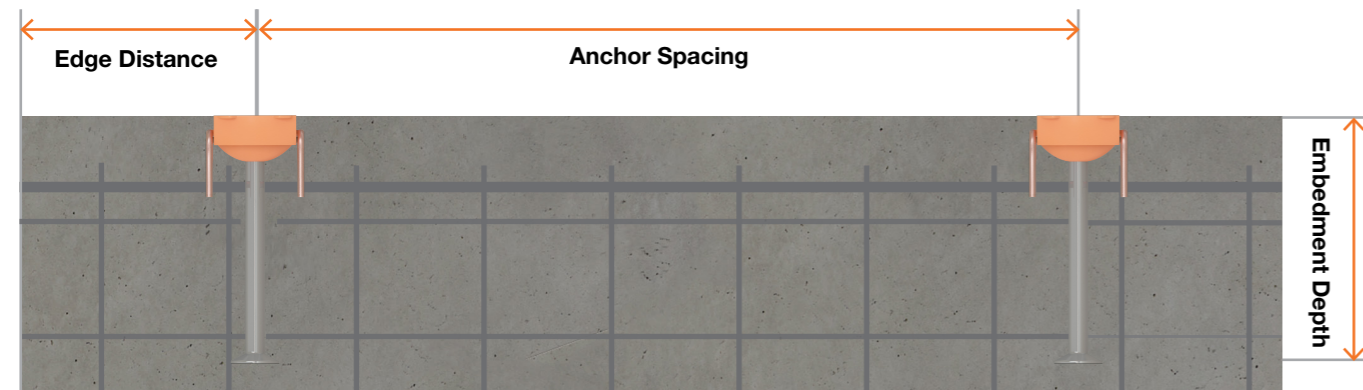
Reid™ SwiftLift™ EdgeMaster

Product Specifications

Table 4: Performance Data, WLL in tonnes

Panel Thickness (mm)	Part #	Max WLL (tonne)	Stripping	Placement			Precast Panel Reinforcement
			25 MPa	25 MPa	30 MPa	45 MPa	
			Tensile/Shear	Tension	Tension	Tension	
125	2EMFA170R	2.5	1.4/1.0	1.4	1.6	2.1	*Minimum reinforcement SE82 Mesh with HD16 perimeter bars
150			1.7/1.2	1.7	1.9	2.5	

Table 5: Minimum edge and spacing distances required to achieve performances in Table 4.

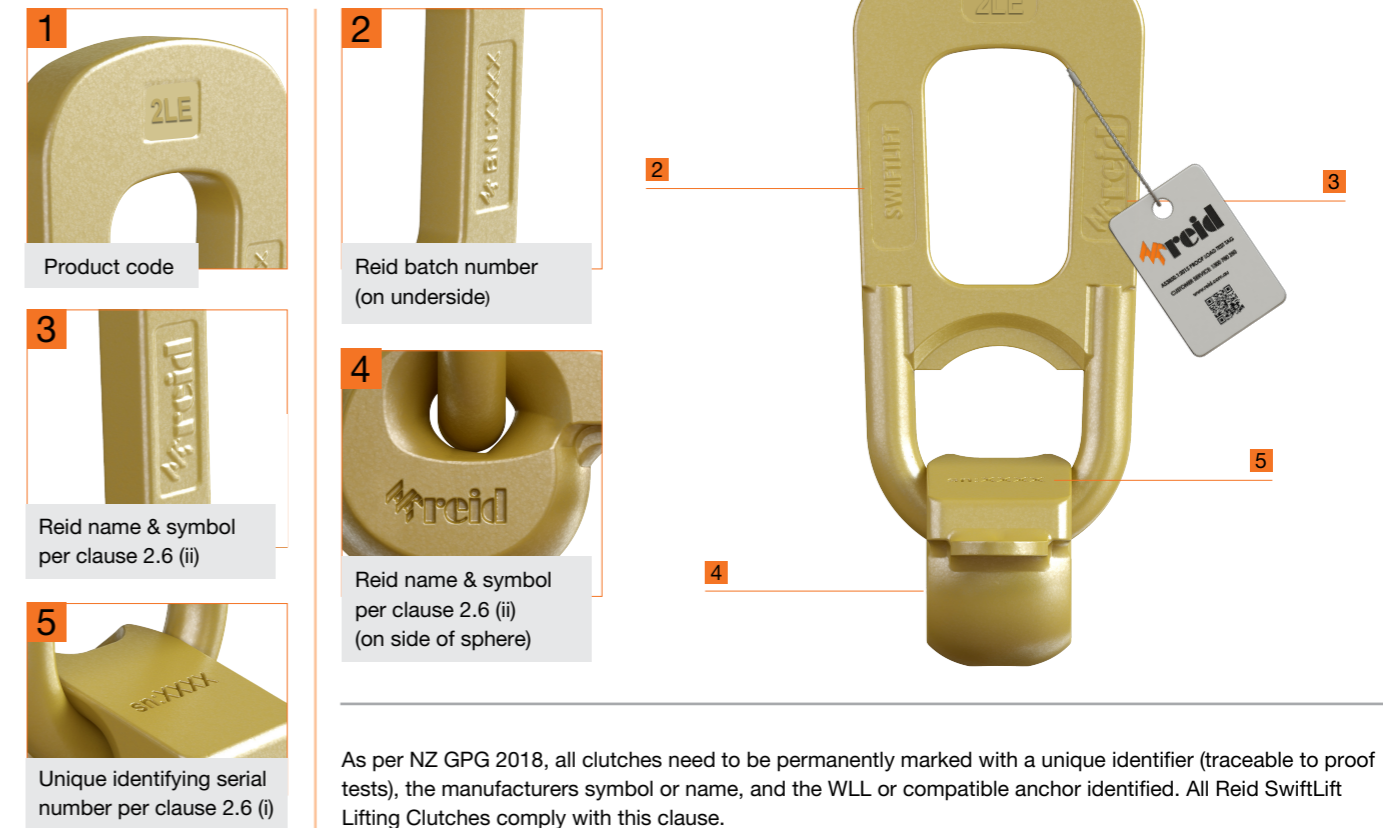


Minimum Edge and Spacing Limits			
Anchor Type	Edge Distance (mm)	Anchor Spacing (mm)	Embedment Depth (mm)
2EMFA170R	350	700	**180

Note: Minimum concrete strength required is 25MPa. ** Embedment depth should be equal to 180mm.



Figure 4: SwiftLift Lifting Clutch markings



As per NZ GPG 2018, all clutches need to be permanently marked with a unique identifier (traceable to proof tests), the manufacturers symbol or name, and the WLL or compatible anchor identified. All Reid SwiftLift Lifting Clutches comply with this clause.

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. Reid™ undertake strict quality control processes to ensure performance specifications and metallurgical properties are maintained.



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In the interests of product improvement, RCS reserves the right to alter product specifications as required. Information included in this product catalogue is correct at time of printing. For further technical information go to www.reidconstructionssystem.com or contact RCS on the numbers indicated above.

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