

SwiftLift™ Edgelifit Clutches

Compliance Document

Reid SwiftLift™
Edgelifit Clutches,
from 2.5t to 10t
WLL comply with
**NZ Good Practice
Guide: Safe Work
with Precast
Concrete: 2018**



Reid™ SwiftLift™ Edgelifft Clutches



Reid™ SwiftLift™ Edgelifft Clutches - 2ELALE, 7ELALE and 10ELALE* comply with NZ Good Practice Guide "Safe work with precast concrete"- October 2018 (NZ GPG 2018).

They are manufactured under strict quality requirements using the highest quality steel and manufacturing processes. All SwiftLift™ Edgelifft Clutches are proof tested prior to sale and are uniquely identified by a proof tag.



Figure 1:
Edgelifft
Clutches



***Note:**







Where anchor load exceeds 9.4t a Reid™ Engineer shall be consulted.

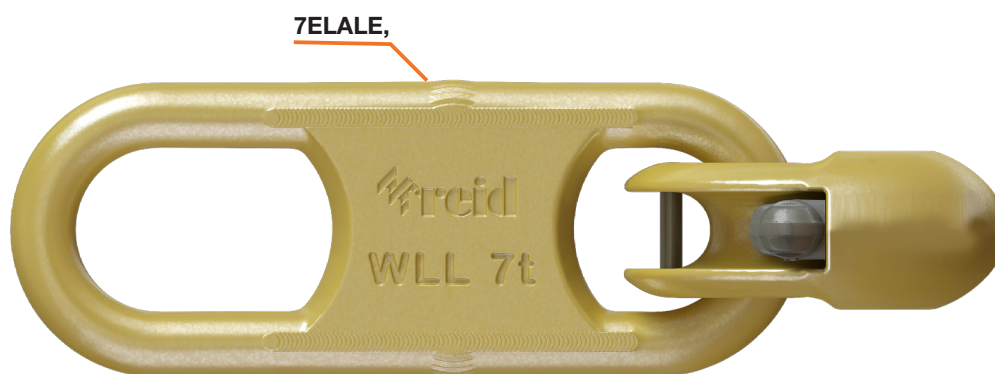
Please refer to "Reid™ Swiftlift™ Lifting Eye & Edge Lifting Clutches: Discard Criteria" for important safety information regarding this product range.



Compliance Details

Table I: NZ GPG 2018 Compliance Details

Clause	Requirement	Compliant
10.11	Clutches are designed and tested to a FOS of 5	
10.11	The design of the clutch is such that no unintentional release can occur during operation.	
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™ Edgelift Clutches - 2ELALE, 7ELALE and *IOELALE comply with, NZ GPG 2018



SwiftLift™ Edgelifth Clutch

The Reid™ range of SwiftLift™ Edgelifth Clutches have been exclusively designed, tested and approved for use with Reid™ Anchors and accessories. They are available in a range of Working Load Limits.

SwiftLift™ clutches are designed so that they cannot spontaneously disengage whilst the system is under load at any orientation, provided they are correctly engaged with the correct lifting system. When the lift is complete and the load released, the SwiftLift™ Edgelifth Clutch is quickly and easily disengaged.

Part No.	Pack Qty	WLL (Max)
2ELALE	1	2.5t
7ELALE	1	7.0t
10ELALE	1	10.0t
3DX7NLC	1	7.0t

There are no products listed in this document which are subject to a warning or ban under the Building Act 2004



SwiftLift Lifting Clutch markings



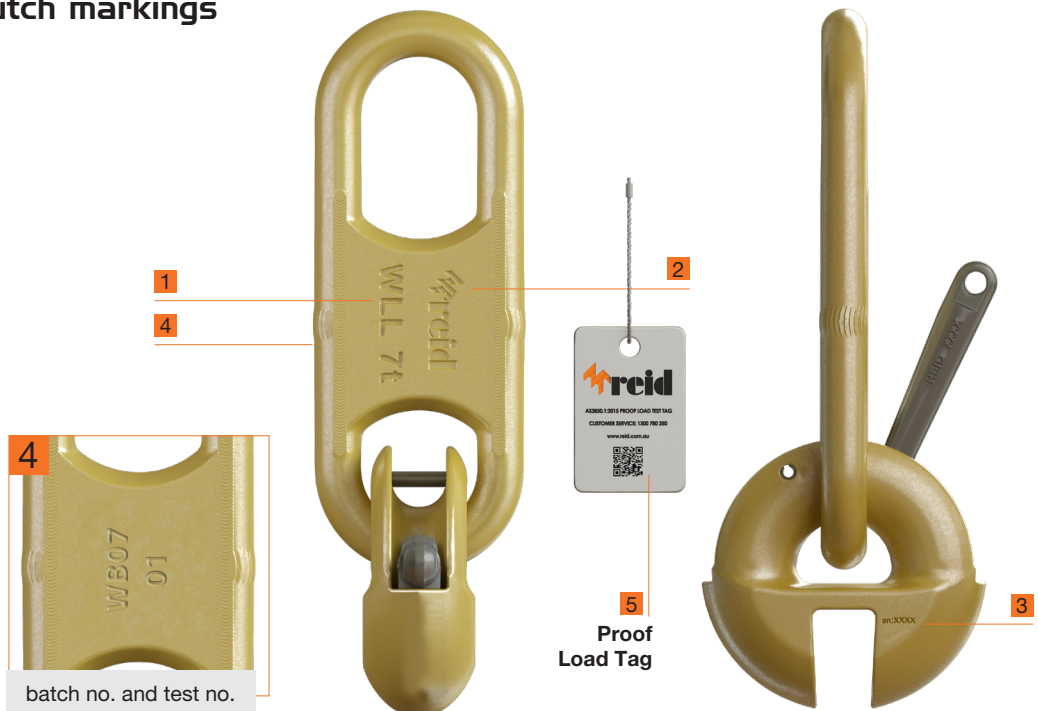
WLL per clause 10.11



Reid name & logo
per clause 10.11



Unique identifying serial
number per clause 10.11



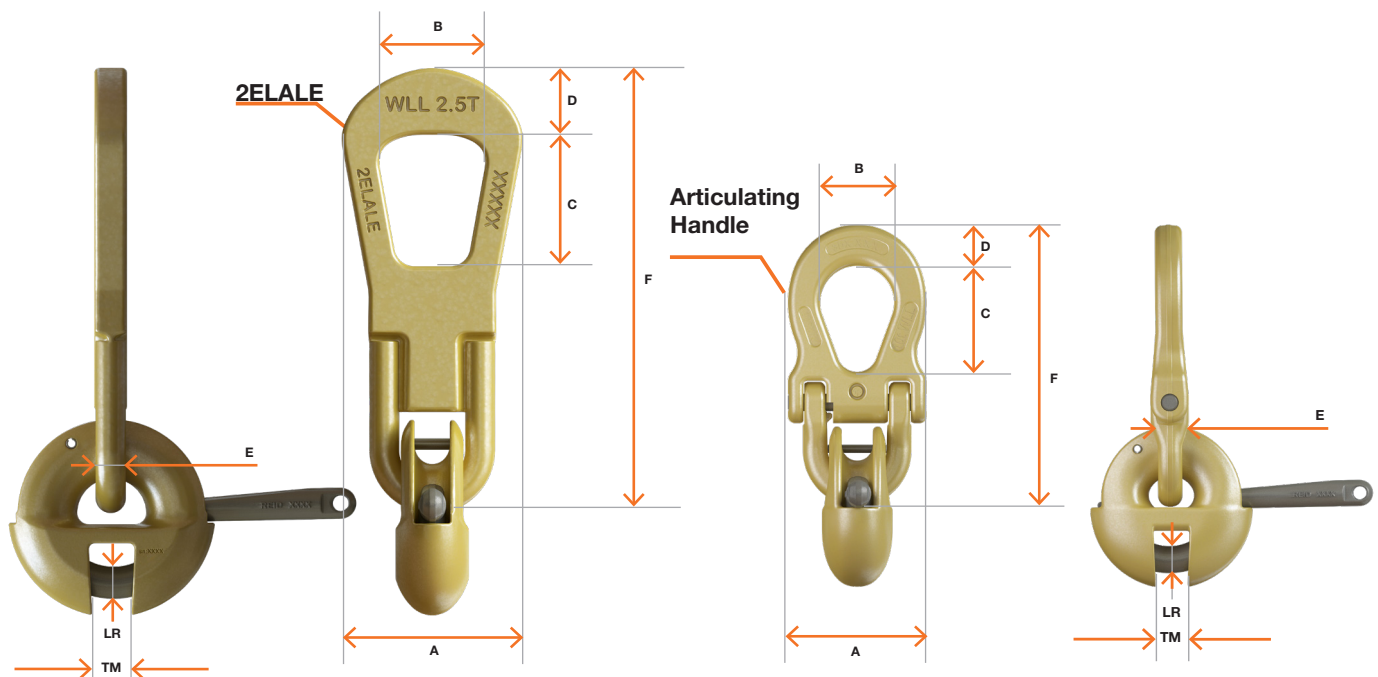
batch no. and test no.

Proof
Load Tag

Note: Clutch markings above are typical of 2ELALE and 7ELALE. Markings on 10ELALE clutch may vary from above.

Reid™ SwiftLift™ Edgelif Clutches

Product Specifications (mm)



Product Specifications (mm)

CLUTCH	Working Load Limit, (tonnes)	Nominal Dimensions (mm)					
		A	B	C	D	E	F
2ELALE	2.0	95	55	67	35	14	265
7ELALE	7.0	80	44	70	18	18	215
SJULC / 10ELALE	10	132	60	80	35	25	305
3DX7NLC	7.0	102	53	78	31	21	209

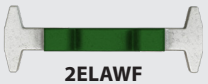
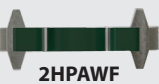





Critical Discard Measurements (mm)

TM max	LR min	D min	E min
16	12	28	12.5
21	15.5	16	16
23	19	28	22
21	15.5	29	17.5


The above Nominal & Critical minimum dimensions are based on the correct clutch manufacture at 2019. Clutches supplied prior to 2019 may vary from these dimensions and in this instance, please contact Reid® for the appropriate Nominal & Critical dimensions for those particular clutches.

Clutch Compatibility







2.5 - 3 Tonne SwiftLift™ Edgelift Clutch Systems:

Part	Part No.	NZGPG2018 Compliant
Anchor	 2ELAWF  2HPAWF	
Lifting Clutch	 2ELALE	
Void Former	 2ELARRF	

7 Tonne SwiftLift™ Edgelift Clutch Systems:

Part	Part No.	NZGPG2018 Compliant
Anchor	 7ELAWF  3DX7N	
Lifting Clutch	 7ELALE  3DX7NLC	
Void Former	 7ELARRF	

10 Tonne SwiftLift™ Edgelift Clutch Systems:

Part	Part No.	NZGPG2018 Compliant
Anchor	 10ELAWF	
Lifting Clutch	 10ELALE	
Void Former	 10ELARRF	

Critical Edge Lifting Clutch Discard Measurements

! If any of the below criteria is not met, the clutch should be removed from use & discarded immediately

! Please refer to the Product Specification Tables for Critical Discard Measurements.

1. Must NOT BE LESS THAN the critical discard measurement

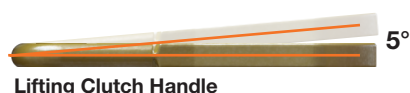
- (D) – The crown of the Handle
- (E) – The loop through the sphere or torus
- (LR) – Edge lift Clutch; the thickness of the locking ring
- (M) – The thickness of the lip on the sphere in lifting eyes

2. Must NOT EXCEED the critical discard measurement

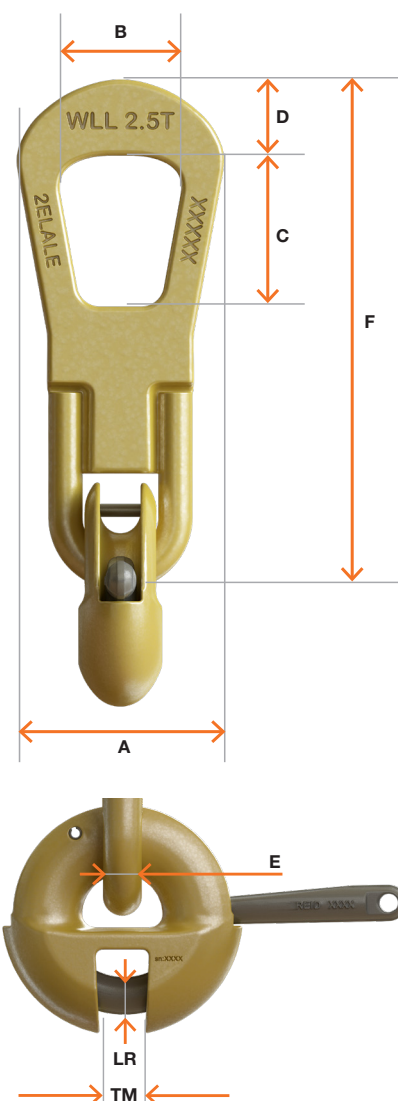
- (TM) – Edge lift Clutch; the slot in the torus
- (H) – lifting eye Clutch; the slot in the sphere

3. Other Factors...

- The lifting clutch must remain true to the dimensions and form according to the product specification table on pg4 & pg5, with the exceptions listed above (items 1 to 4) – equating to no measurable distortion in either plane of the handle.
- Additional reasons for discarding any lifting clutch include:
 - (a.) any sign of cracking or other abnormal deterioration;
 - and (b.) any failure to accept a normal anchor.
- It is not uncommon for lifting clutch handles to be bent slightly under site conditions. If the angle of bend is greater than five degrees, the lifting clutch must be discarded.



Lifting Clutch Handle



Where any doubt exists, please contact your local Reid™ representative for guidance.

New Zealand: Phone 0800 882 212 or email sales@ramsetreid.co.nz

Testing

Annual proof load testing shall be conducted in accordance with NZ GPG 2018.

Testing may be conducted using a corresponding anchor from the same lifting system which the clutch belongs to. Alternatively, a fixture matching in shape and dimensions may be used.

- if an anchor is used a new anchor shall be used for each test to prevent fatigue failures on the anchor.
- Anchors or fixtures to be fully engaged by the clutch, prior to the commencement of load being applied.
- Wire strand is not to be used as a fixture.

Proof load testing requirements

Product	WLL (t)	Required applied load (Kn)
1LE	1.3	26
2LE	2.5	49
5LE	5	98
10LE	10	196
20LE	20	392
32LE	32	628
2ELALE	2.5	49
7ELALE	7	137
10ELALE/ SJULC	10	196
3DX7NLC	7	137



[illegible]

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.

10ELALE



customer service

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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.

ITW Australia Pty Ltd ABN 63 004 235 063 trading as RCS

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