November | 2023 NZ

SwiftLift™ Lifting Eye Clutches

Compliance Document

Reid SwiftLift™ Lifting Clutches, from 1.3t to 32t WLL comply with NZ good practice guide 'safe work with precast concrete: 2018

reids.co.nz | 0800 88 22 12

Reid™ SwiftLift™ Lifting Eye Clutches

Reid SwiftLift™ Lifting Clutches, from 1.3t to 32t WLL comply with Worksafe New Zealand Good Practice Guidelines "Safe work with precast concrete"- October 2018 (NZ GPG 2018).

Reid's Clutches are manufactured under strict quality requirements using the highest quality steel and manufacturing processes. All SwiftLift™ Clutches exceed the minimum requirements of Safe work with precast concrete and are proof tested to FOS 2 in all directions as per the guide.

CHARTERED VERIFIED ENGINEER

NZ GPG 2018 Compliant

Figure 1:
SwiftLift™ 5T Clutch

Please refer to **"Reid SwiftLift & 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.	✓

Reid SwiftLift™ Lifting Clutches, from 1.3t to 32t WLL comply with NZ GPG 2018 ✓

SwiftLift™ Lifting Eye Clutches

SwiftLift Lifting Eye Clutches cover the full SwiftLift range from 1.3t to 32t WLL.

SwiftLift Lifting Eye Clutches have been designed so that they cannot spontaneously disengage whilst the system is under load at any orientation, provided they are correctly engaged with the correct system. When the lift is complete and the load released, the SwiftLift Clutch is quickly and simply disengaged.

Part No.	Pack Qty	WLL (Max)
1LE	1	1.3t
2LE	1	2.5t
5LE	1	5.0t
10LE	1	10.0t
20LE	1	20.0t
32LE	1	32.0t

SwiftLift Lifting Clutch markings

1

WLL per clause 10,11

2

Reid batch number (on underside)

3

Reid name & symbol per clause 10,11

4

Reid name & symbol per clause 10,11 (on side of sphere)

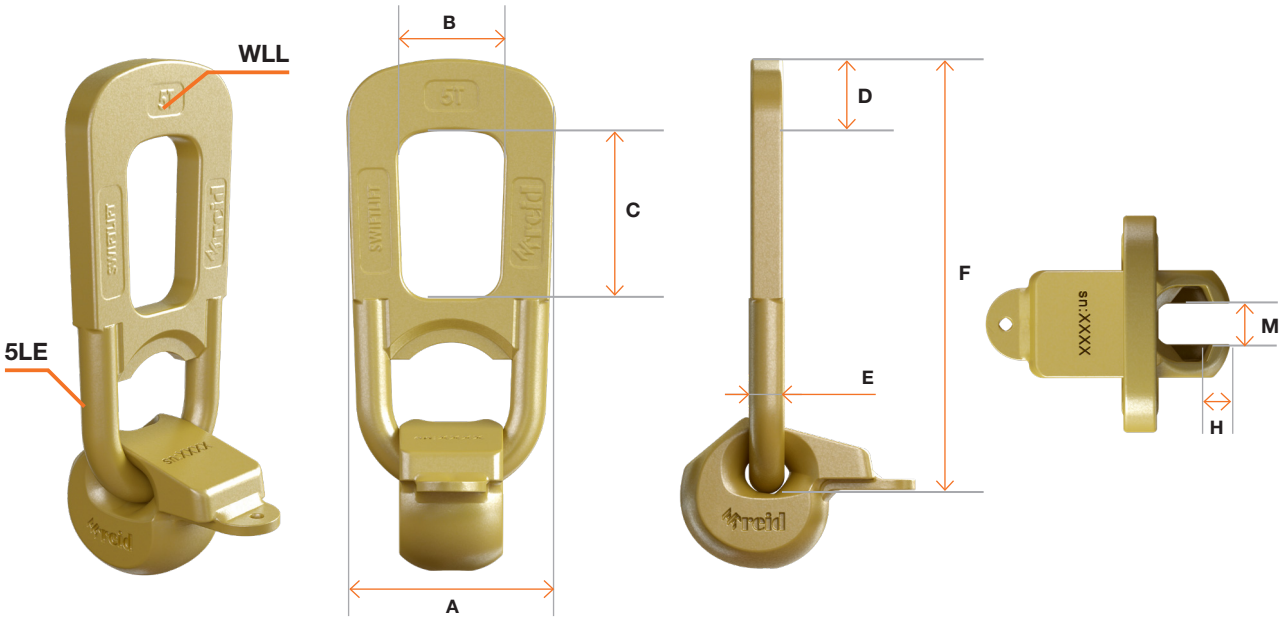
5

Unique identifying serial number per clause 10,11

As per NZ Good Practice Guide - Safe work with precast concrete 2018 clause 10.11, 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.

Note: Clutch markings shown are typical of 1, 2 & 5t clutches. Markings on 10, 20 and 32t clutches may vary from that shown here.

Reid™ SwiftLift™ Lifting Eye Clutches



Product Specifications (mm)

CLUTCH	Working Load Limit, (tonnes)	Nominal Dimensions (mm)						
		A	B	C	D	E	F	G
1LE	1.3	75	48	71	21	12.5	164	32
2LE	2.5	88	64	85	25	14.5	194	42
5LE	5.0	118	67	88	36	20	237	57
10LE	10	159	81	112	51	28	348	75
20LE	20	193	114	154	69	35	441	110
32LE	32	303	153	175	100	50	705	155

Critical Discard Measurements(mm)

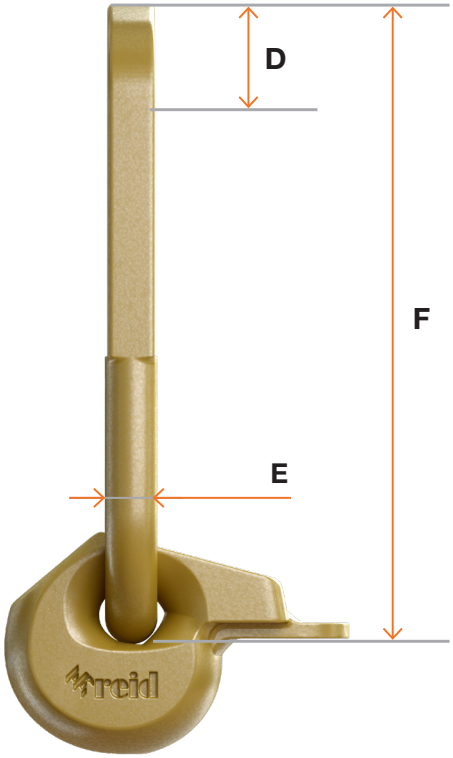
H max	M min	D min	E min
13	5.5	17	11.5
18	5.5	20	13
25	8	30	18.5
32	12	41	25
46	18	55.5	31.5
58	24	80	38

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 ramsetreid® for the appropriate Nominal & Critical dimensions for those particular clutches.

Critical Discard Measurements

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

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



1. Must NOT BE LESS THAN the critical discard measurement

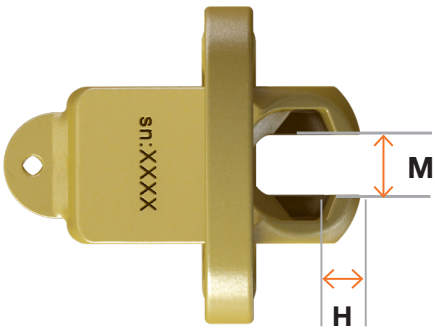
(D) – The crown of the Handle

(E) – The loop through the sphere or torus

(M) – The thickness of the lip on the sphere in lifting eyes

2. Must NOT EXCEED the critical discard measurement

(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.

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

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

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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