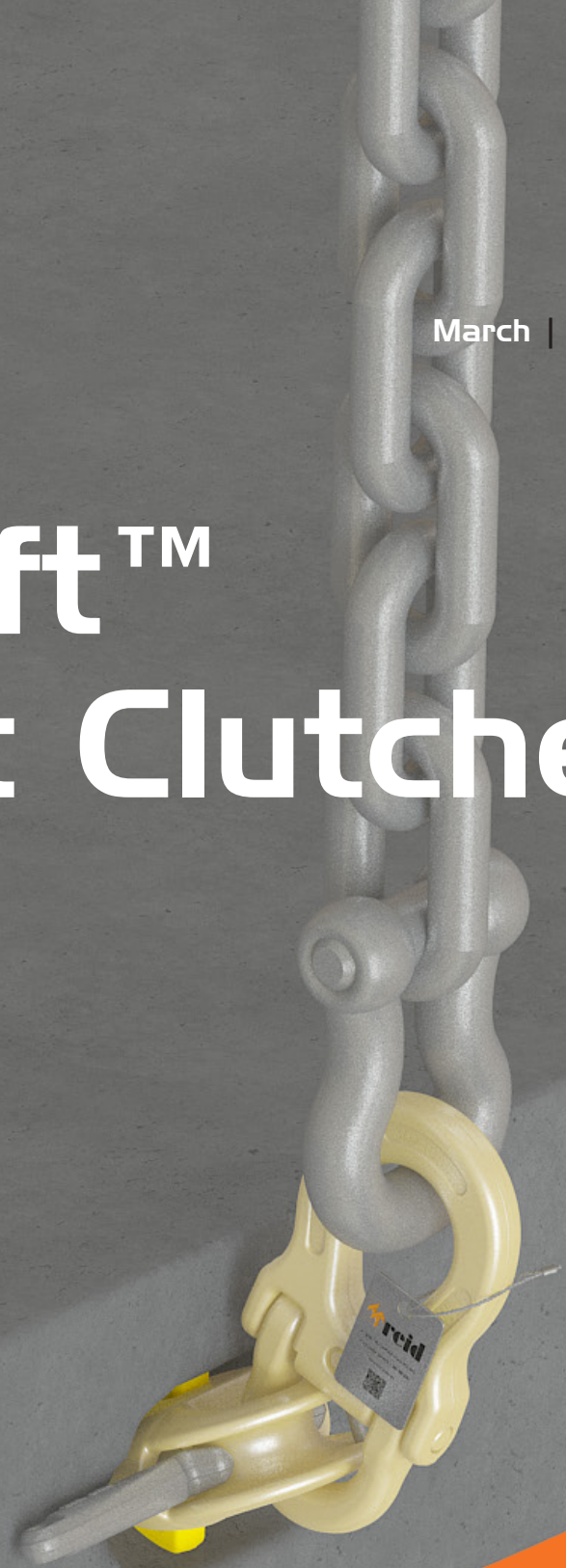
March | 2026 AUS

SwiftLift™ Edgelift Clutches

Compliance Document



Reid™ SwiftLift™ Edgelift Clutches comply with AS3850.1:2024

Reid™ SwiftLift™ Edgelift Clutches

Reid™ SwiftLift™ Edgelift Clutches - 3DX85LC, 3DX10ALC, SJLLC & SJULC comply with AS 3850.1:2024

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

CHARTERED VERIFIED ENGINEER

AS 3850.1:2024 Compliant

Figure 1: Edgelift Clutches

*3DX85LC & SJULC are no longer available for purchase.

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

This can be found on www.reid.com.au or alternatively contact your local Reid™ representative.

Compliance Details

Table 1: AS 3850.1:2024 Compliance Details

Clause number	Requirement	Compliant
2.2	The Working Load Limit has been determined by testing in accordance with Appendix A, using a FOS per Table 2.1.	✓
2.6	WLL determined in accordance with clause 2.2.	✓
	Manufactured from ductile materials.	✓
	When loaded to ultimate failure, failure shall occur in a ductile manner away from any weld zones, with evidence of distortion and plastic deformation and all fracture faces shall exhibit ductile failure mechanisms.	✓
	All cast components shall be non-destructively tested (NDT) by an appropriate method. Appropriate NDT methods are fluorescent magnetic particle inspection or dye penetrant testing.	✓
	Each clutch shall be proof-tested, certified and uniquely identified.	✓
	Each clutch shall be permanently marked with a unique identifier (traceable to the proof tests), the manufacturers symbol or name and the WLL or compatible anchor identifier.	✓
A3	Testing and recording of results.	✓
A4	Statistical evaluation of test results, using formula A4, $X_k=x(1-k_sCOV)$.	✓
A5	Production Validation through testing to confirm compliance of critical speciation requirements (dimensions, material properties and load bearing capacity where appropriate).	✓
A8	During design validation, clutches shall be tensile tested to determine Ru.	✓
	Each clutch shall be proof tested in accordance with clause 2.6.	✓
	Tensile testing shall be in accordance with A8.2.3.	✓

SwiftLift™ Edgelift Clutches, from 3t to 10t WLL comply with AS 3850.1:2024 ✓

TESTED IN LOCAL CONDITIONS

SwiftLift™ Edgelift Clutch

The Reid™ range of SwiftLift™ Edgelift 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™ Edgelift Clutch is quickly and easily disengaged.

	Part No.	Pack Qty	WLL (Max)
JAWS	SJLLC	1	3t
	SJULC*	1	10.0t
3DX	3DX85LC*	1	8.5t
	3DX10ALC	1	10.0t

*No longer available for sale.

AS 3850.1:2024 Compliant

SwiftLift™ Clutch Markings

1

WLL per clause 2.6 (iii)

2

Reid name & logo per clause 2.6

3

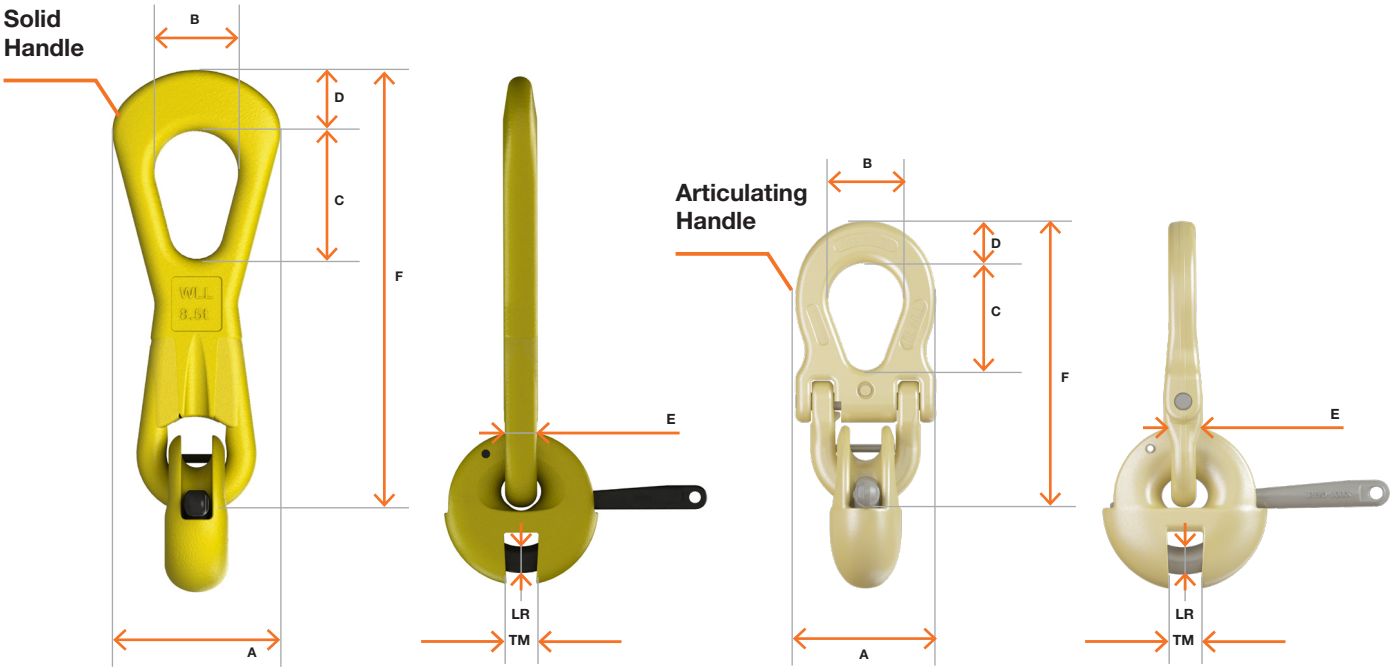
Batch no. and test no.

As per AS 3850.1:2024 clause 2.6, all clutches need to be permanently marked by stamping, etching, engraving or similar means with a unique identifier (traceable to the product batch and initial proof tests), the manufacturers symbol or name, and the WLL or compatible anchor identifier. All Reid™ SwiftLift™ Lifting Clutches comply with this clause.

Note: Clutch markings above are typical, and may vary from above.

Reid™ Edge lift Clutches

Product Specifications (mm)



Product Specifications (mm)

CLUTCH		Working Load Limit, (tonnes)	Nominal Dimensions (mm)					
			A	B	C	D	E	F
JAWS	SJLLC	3.0	95	55	68	35	14	230
	SJULC*	10	132	60	80	35	25	305
3DX	3DX85LC*	8.5	110	56	85	41	19	296
	3DX10ALC	10	102	53	78	31	21	209

*No longer available for sale.

Critical Discard Measurements(mm)

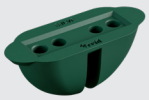
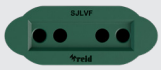
TM max	LR min	D min	E min
16	12	28	12.5
23	19	28	22
23	17.5	33	17
23	17.8	29	17.5

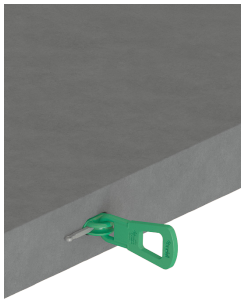
The above Nominal & Critical minimum dimensions are based on the correct clutch manufacture at 2022. Clutches supplied prior to 2019 may vary from these dimensions and in this instance, please contact Reid™ for the appropriate Nominal & Critical dimensions for those particular clutches.

Clutch Compatibility

JAWS 3t-10t WLL Edgelifting Systems

3 Tonne Edgelifting System:

Anchor	Lifting Clutch	Void Former
 SJL	 SJLLC	Isometric View:  Top View:  SJLVF
 Anchor in concrete:		

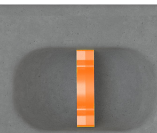


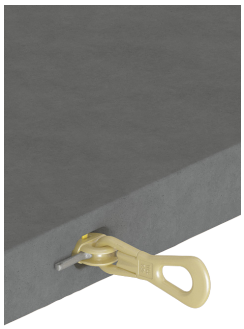
AS 3850.1:2024 Compliant

Reid™ SwiftLift™ Lifting Systems comply with AS 3850.1:2024.

Please refer to the relevant Compliance Document for further information.

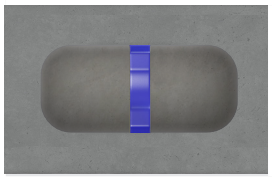
7 Tonne Edgelifting System:

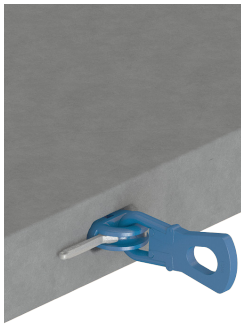
Anchor	Lifting Clutch	Void Former
 SJS	 3DX85LC	Isometric View:  Top View:  3DX85VF
 Anchor in concrete:		



SJS & 3DX85LC are no longer available for purchase.

10 Tonne Edgelifting System:

Anchor	Lifting Clutch	Void Former
 SJU	 SJULC	Isometric View:  Top View:  SJUVF
		

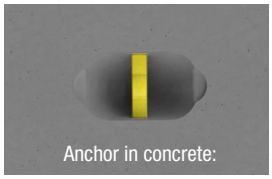


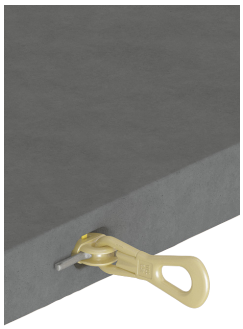
SJU, SJULC, SJUVF are no longer available for purchase.

Clutch Compatibility

3Dx 8.5t & 10t Edgelifting system

8.5 Tonne Edgelifting System:

Anchor 8.5t	Lifting Clutch		Void Former
 3DX85	 3DX85LC	 3DX10ALC	Isometric View:  Top View:  3DX85VF
 Anchor in concrete:			



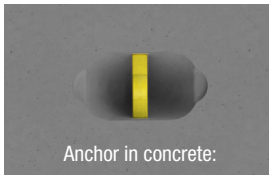
AS 3850.1:2024 Compliant

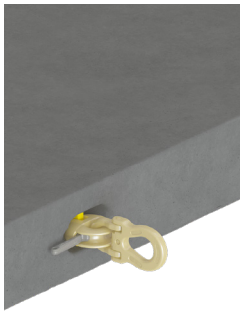
Reid™ SwiftLift™ Lifting Systems comply with AS 3850.1:2024.

Please refer to the relevant Compliance Document for further information.

Note: 3DX85, 3DX85LC are no longer available for purchase.

10 Tonne Edgelifting System:

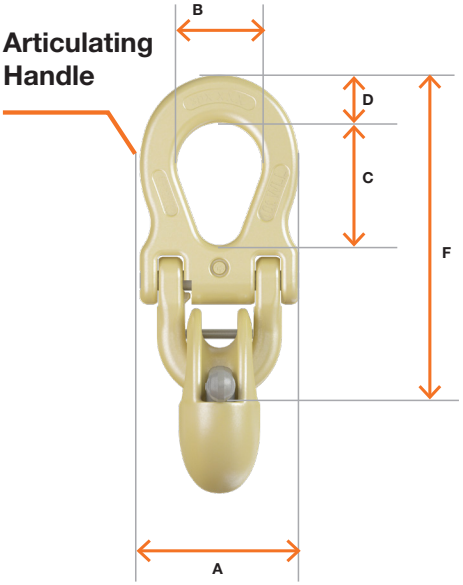
Anchor 10t	Lifting Clutch**	Void Former
 3DX10A	 3DX10ALC	Isometric View:  Top View:  3DX85VF
 Anchor in concrete:		



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.



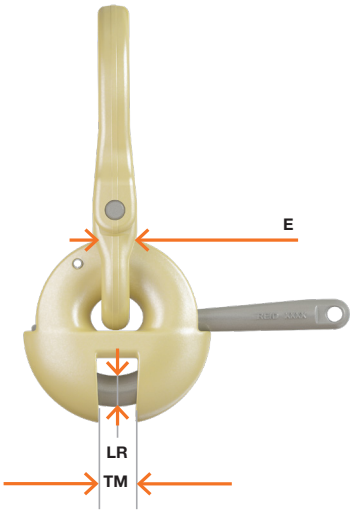
1. Must NOT BE LESS THAN the critical discard measurement

(D) – The crown of the Handle

(E) – The loop through the sphere or torus

(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

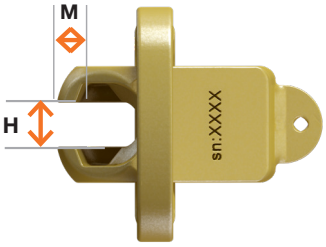
(TM) – Edge lift clutch; the slot in the torus

(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 2) – 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 (such as bending, bruising, elongation, etc...); 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 (see below), the lifting clutch must be discarded.

Lifting Clutch Handle



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

Australia: Phone 1300 780 250 or email sales@reid.com.au

Testing

Annual proof load testing shall be conducted in accordance with AS 3850.1:2024 Appendices A8.

Where a lifting system is proof load tested by a third party, Reid™ recommends those selected are accredited to perform the testing in accordance with AS 3850.1:2024 by NATA or IANZ.

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

- if an anchor is used as a fixture, a new anchor shall be used for each test to prevent fatigue failures on the anchor.
- Anchors or fixtures are 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.

AS 3850.1:2024 Compliant

Proof load testing requirements

Product	WLL (t)	Required applied load (kN)
1LE	1.3	16
2LE	2.5	30
5LE	5	59
10LE	10	118
20LE	20	236
32LE	32	377
SJLLC	3	36
SJHLC	7	83
3DX85LC	8.5	101
SJULC	10	118
3DX10ALC	10	118

TESTED IN LOCAL CONDITIONS

Quality and Compliance

AS 3850.1:2024 Compliant

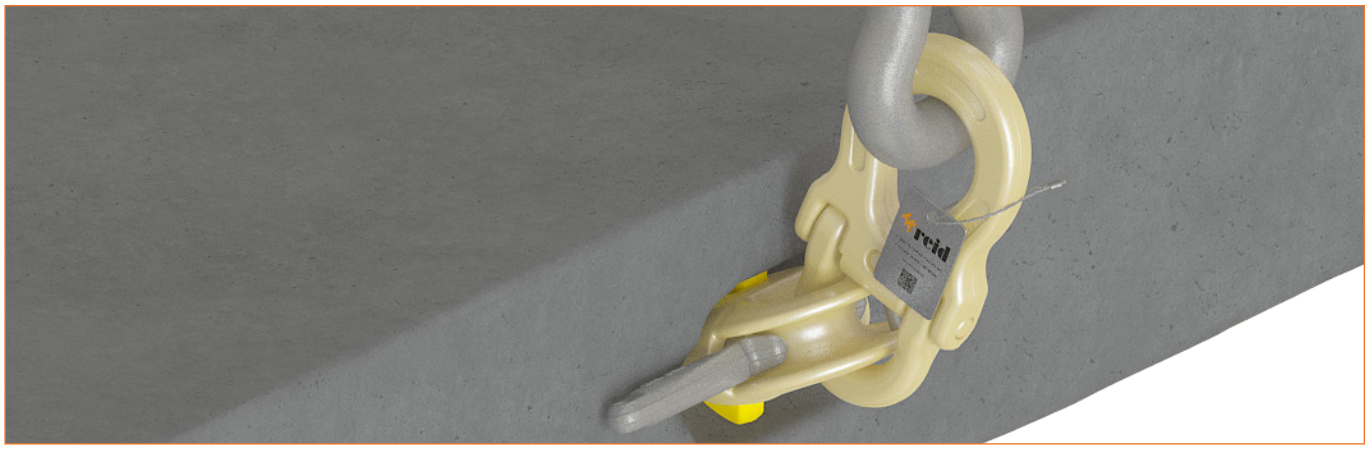
All Reid™ branded products and all products manufactured at our Melbourne manufacturing facility are designed, manufactured, tested and supplied in compliance with our Quality Management System which has been independently audited and certified by SAI Global to ISO 9001:2015. Reid™ undertake strict quality control processes to ensure performance specifications and metallurgical properties are maintained.

To reflect the continued progress of the industry and the new innovative uses of precast and tilt-up construction, Australian Standard AS 3850 Part 1 and Part 2 has recently been updated in 2024. AS 3850 Part 1, Part 2 and Part 3 are detailed below.

- Part 1, called 'General requirements' details the updated performance and testing requirements for suppliers of componentry into the industry. These requirements are significantly different to AS 3850:2015 and should enable the industry to have greater confidence in the products that they are specifying and using.
- Part 2, called 'Building construction', aligns with the 2008 National Code of Practice for Precast, Tilt-Up and Concrete Elements in Building Construction and focuses on the interrelation of the various stages of manufacture, construction, transport and erection.It is specifically for the construction design and documentation of prefabricated concrete elements in building construction and provides guidance for the Erection Designer and highlights the importance of the Erection Design and Documentation. It was updated to align with the changes in Part 1 and the content in Part 3.
- Part 3, called 'Civil construction' provides requirements impacting prefabricated concrete elements in civil, infrastructure and non-building construction. Similar to Part 2, it focuses on various stages of safety, planning, manufacturing, constructions design, casting, transportation, erection and incorporation into the final structure.

The new AS 3850.1:2024 is central for the safe, efficient and cost-effective manufacture, construction, transport and erection of prefabricated concrete elements.

Quality and compliance are at the core of everything we do. Our commitment to ISO 9001:2015 certification ensures every Reid™ product meets the highest standards of safety, performance, and reliability.



Customer Service

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