reid™

March | 2025 AUS

SwiftLift™ Lifting Eye Clutches

Compliance Document

Reid SwiftLift™ Lifting Eye Clutches, from 1.3t to 32t WLL comply with AS 3850.1:2024

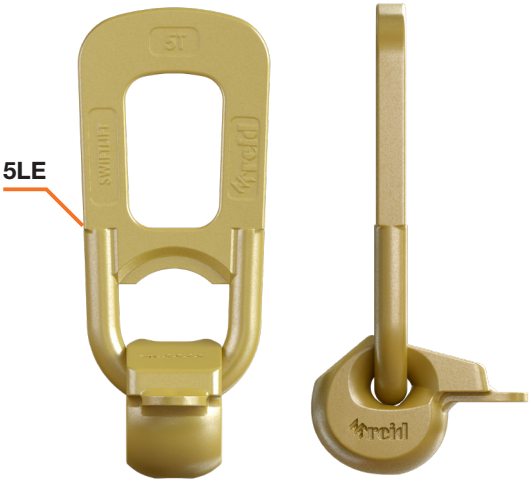
Reid™ SwiftLift™ Lifting Eye Clutches

Reid SwiftLift™ Lifting Eye Clutches, from 1.3t to 32t WLL comply with AS 3850.1:2024. They are manufactured under strict quality requirements using the highest quality steel and manufacturing processes.

All SwiftLift™ Clutches exceed the minimum requirements of AS 3850.1:2024 and are proof tested in Australia.

AS 3850.1:2024 Compliant

Figure 1:
SwiftLift™ 5T Clutch



Please refer to "Reid Swiftlift 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 ramsetreid 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.	✓
	Each clutch shall be proof-tested, certified and uniquely identified.	✓
	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 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™ Lifting Eye Clutches, from 1.3t to 32t WLL comply with AS 3850.1:2024 ✓

TESTED TO LOCAL CONDITIONS

SwiftLift™ Lifting Eye Clutches

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

SwiftLift Clutches have been designed so that they cannot spontaneously disengage whilst the system is under load at any orientation, provided they are correctly connected to the head of the correct anchor in the recess. 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

AS 3850.1:2024 Compliant

SwiftLift Lifting Eye Clutch markings

1

WLL per clause 2.6 (iii)

2

Reid batch number (on underside)

3

Reid name & symbol per clause 2.6

4

Reid name & symbol per clause 2.6 (ii) (on side of sphere)

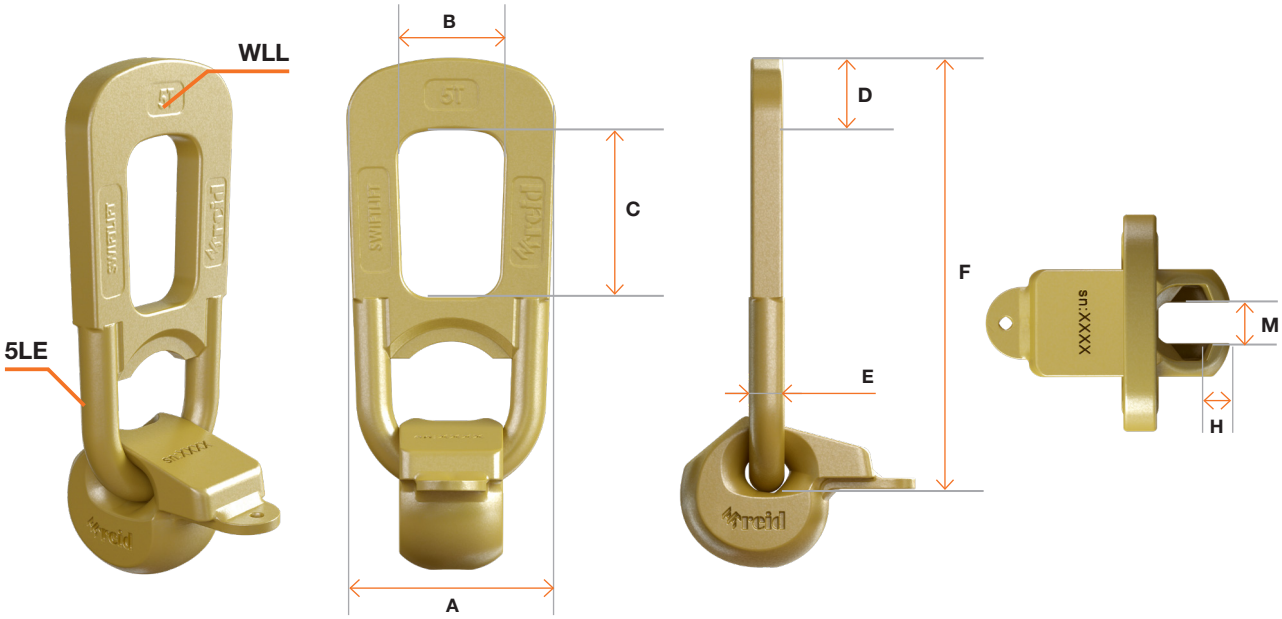
5

Unique identifying serial number per clause 2.6 (i)

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 shown are typical of 1, 2 & 5t clutches. Markings on AS 3850.1:2024 compliant 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 Reid® for the appropriate Nominal & Critical dimensions for those particular clutches.

TESTED TO 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.


1LE

Customer Service

Reid™ Australia

Tel: 1300 780 250
Email: sales@itwcsanz.com
Web: www.reid.com.au

Reid™ New Zealand

Tel: 0800 88 22 12
Email: sales@ramsetreid.co.nz
Web: www.reids.co.nz

Reid™
AUS: 1 Ramset Drive, Chirnside Park, Victoria, Australia, 3116
NZ: 23-29 Poland Road, Glenfield, Auckland 0632