



February | 2021 **AUS**

SwiftLift™ Lifting Eye Clutches

Compliance Document

Reid SwiftLift™
Lifting Eye Clutches,
from 1.3t to 32t
WLL comply with
AS 3850.1:2015
(+A1:2019)



Reid™ SwiftLift™ Lifting Eye Clutches



Reid SwiftLift™ Lifting Eye Clutches, from 1.3t to 32t WLL comply with AS3850.1:2015 (+A1:2019). They are manufactured under strict quality requirements using the highest quality steel and manufacturing processes.

All SwiftLift™ Clutches exceed the minimum requirements of AS 3850.1:2015 (+A1:2019) and are proof tested in Australia.



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 I: AS 3850.1:2015 (+A1:2019) 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 100% florescent magnetic particle tested.	
	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, $Xk=x(1-ksCOV)$.	
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 R_u .	
	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 3850.1:2015**.



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



SwiftLift Lifting Eye Clutch markings



WLL per clause 2.6 (iii)



Reid batch number (on underside)



Reid name & symbol per clause 2.6



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



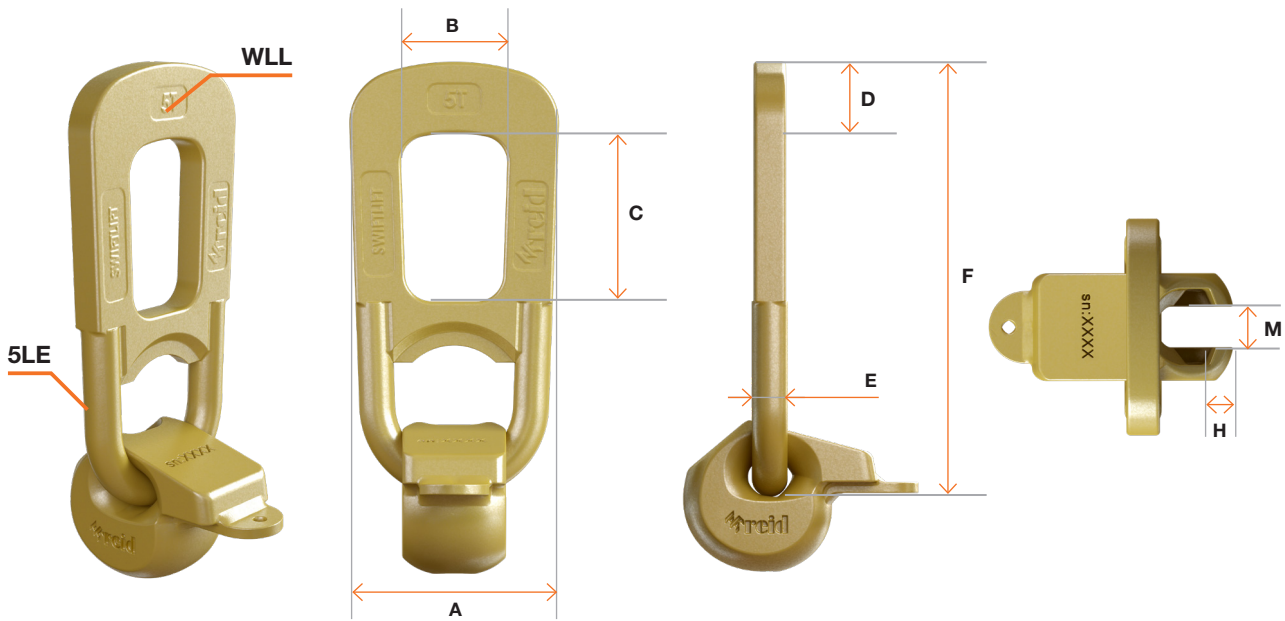
Unique identifying serial number per clause 2.6 (i)



As per AS 3850.1:2015 clause 2.6, 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 AS 3850.1:2015 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 ramsetreid® for the appropriate Nominal & Critical dimensions for those particular clutches.



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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