

SwiftLift™ Lifting Clutches

Discard Criteria

This discard criteria provides important product and safety information for inspecting Reid SwiftLift clutches on an ongoing basis.



Discard Criteria

Reid™ SwiftLift™ Lifting Clutches



This discard criteria provides very important product and safety information critical for inspecting Reid™ SwiftLift™ clutches on an ongoing basis.

Reid™ require that all such lifting clutches, in accordance with Australian standards, tested by a competent person, in a qualified and competent facility, in the following occasions:.

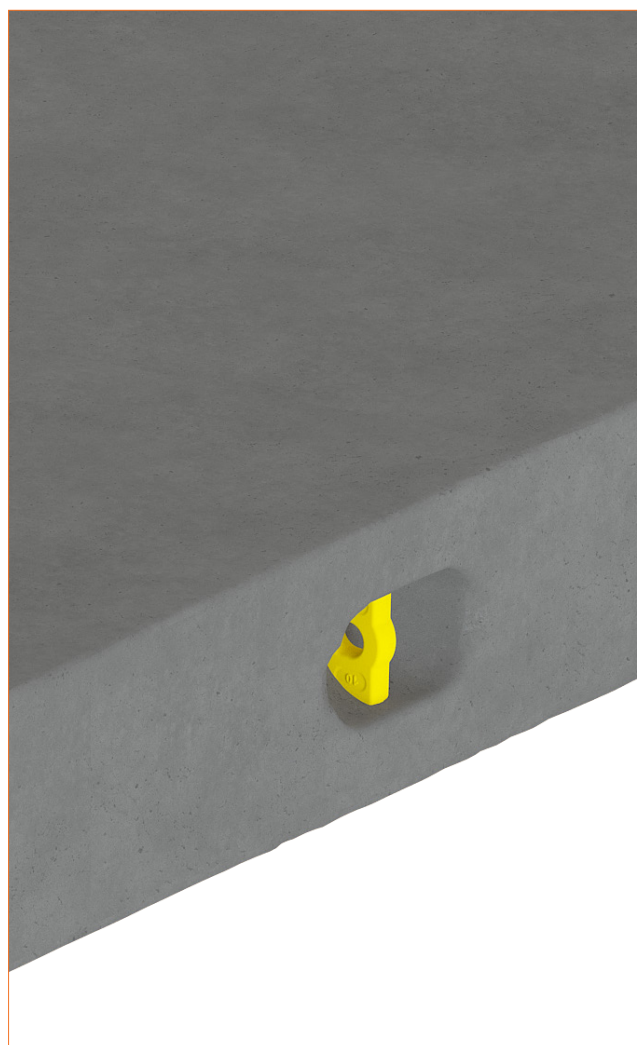
- prior to initial use (2x WLL);
- at least annually once in service (see note below);
- whenever the clutch has been loaded greater than stated WLL;
- whenever the user believes the lifting clutch may fail to meet the criteria in the tables below and wishes a further opinion on the need to discard.

Where a clutch has been determined to be discarded, it shall be removed from service, the reason for discard recorded & destroyed in a method preventing further use (i.e. cutting through the torus/sphere); or returned to Reid™.

Reid™ (ITW Australia Pty Ltd) will in no way be liable for any loss, damage, cost or expense (including consequential loss, damage, cost or expense), in circumstances where this product has not been used strictly in accordance with Reid™ Usage Guidelines and Discard Criteria; where the product has not been tested in accordance with applicable Australian standards; where the product has been modified in any manner; or where the product has been used with lifting or associated products that have not been manufactured and supplied by Reid™.

Please note

- Australia:** - AS3850.1:2015 requires an initial proof load test of 2x WLL and 1.2x annually thereafter.



Advice & Testing

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

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

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.

I. 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

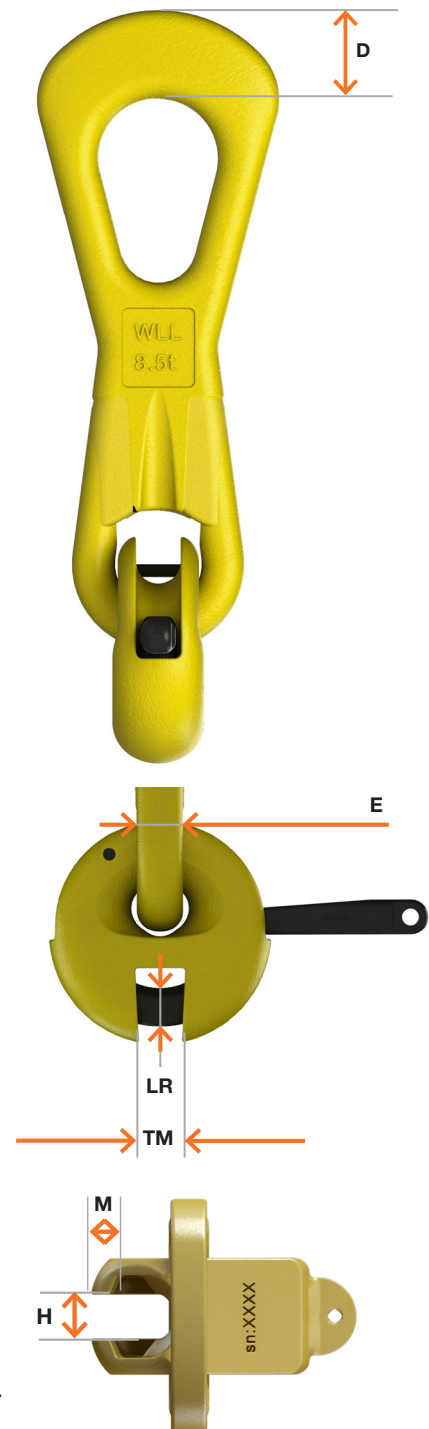
- (TM) – Edge lift Clutch; the slot in the torus
- (H) – lifting eye Clutch; the slot in the sphere

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.



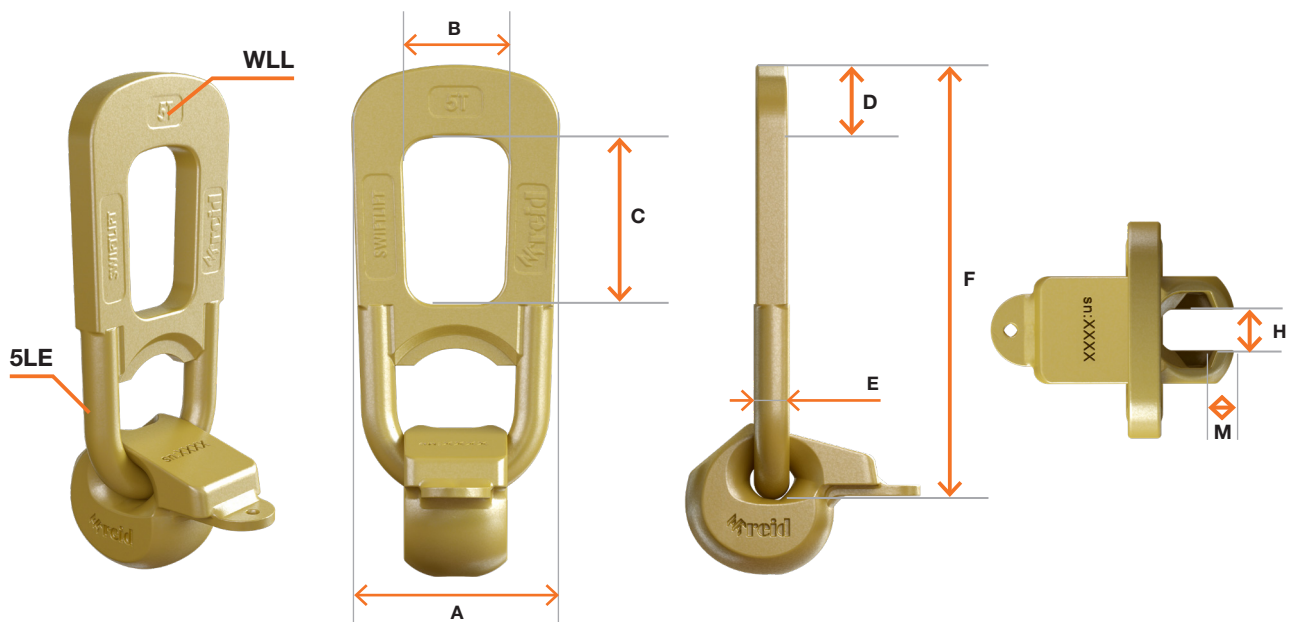
Lifting Clutch Handle



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Reid™ SwiftLift™ Lifting Eye Clutches



Product Specifications (mm)

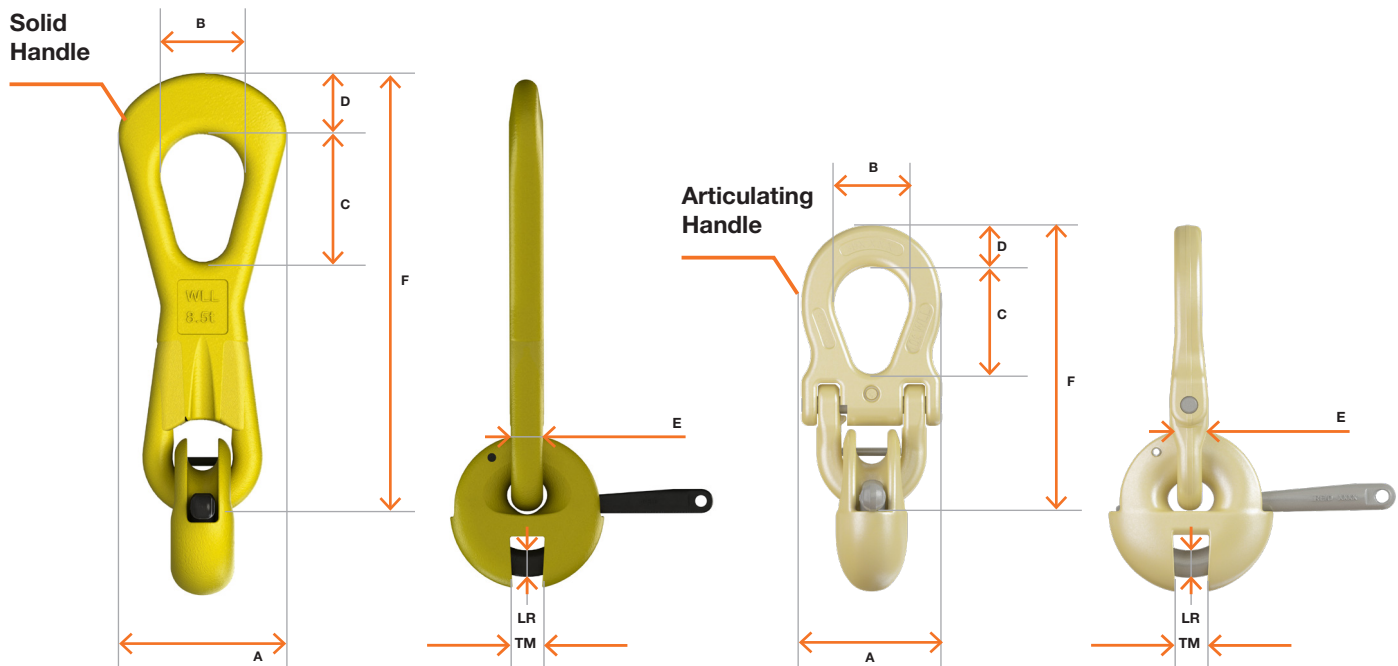
CLUTCH	Working Load Limit, (tonnes)	Nominal Dimensions (mm)						
		A	B	C	D	E	F	G
1LE	1.3	75	48	71	21	12.5	164	32
2LE	2.5	88	64	85	25	14.5	194	42
5LE	5.0	118	67	88	36	20	237	57
10LE	10	159	81	112	51	28	348	75
20LE	20	193	114	154	69	35	441	110
32LE	32	303	153	175	100	50	705	155

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 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.

Reid™ Edge lift Clutches



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
	SJHLC	7.0	85	56	85	41	19	296
	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

Critical Discard Measurements (mm)

TM max	LR min	D min	E min
16	12	28	12.5
21	15.5	33	17
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.

Testing

Annual proof load testing shall be conducted in accordance with AS3850.1:2015 Appendices A8.

Where a lifting system is proof load tested by a third party, ramsetreid recommends those selected are accredited to perform the testing in accordance with AS3850.1:2015 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.

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



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.

Disclaimer

ramsetreid™ (ITWAustralia Pty Ltd) will in no way be liable for any loss, damage, cost or expense (including consequential loss, damage, cost or expense), in circumstances where this product has not been used strictly in accordance with Ramsetreid's Usage Guidelines and Discard Criteria (available at www.ramsetreid.com); where the product has not been tested in accordance with applicable Australian and New Zealand standards; where the product has been modified in any manner; or where the product has been used with lifting or associated products that have not been manufactured and supplied by Ramsetreid.



customer service

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Information in this document is correct at the time of printing. Readers should contact ramsetreid™ or consult ramsetreid™ 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 ramsetreid™

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