



## SS-L5 Offshore Lever Hoist

The William Hackett second generation SS-L5 offshore lever hoist has been the first offshore lever hoist to be awarded by DNVGL 'Saltwater Immersion test verification, Report No. A0359376.02, Rev.1. The report verifies that the SS-L5 type lever hoist could be safely used over a 21 day single immersion and a 31 day multi immersion period. The design features, testing and guidance for use, maintenance and storage of the SS-L5 has also been developed in line with:

- BP document DEV-AAD-SS-SD-BP-0545 'specification and compliance requirements for lever hoists used subsea on BP projects.'
- IMCA DO28 Rev. 1 'Guidance on the use of chain lever hoists in the offshore subsea environment'
- IMCA Document SEL-019:2007, Guidance for Lifting Operations

The SS-L5 also meets and exceeds the requirements of international standards

British and European Standard BS EN13157: 2004 + A1: 2009  
American Standard ASME B30.21-2014  
Australian Standard AS 1418.2-1997  
South African SANS 1636:2-2007  
NORSOK R-002: 2017.

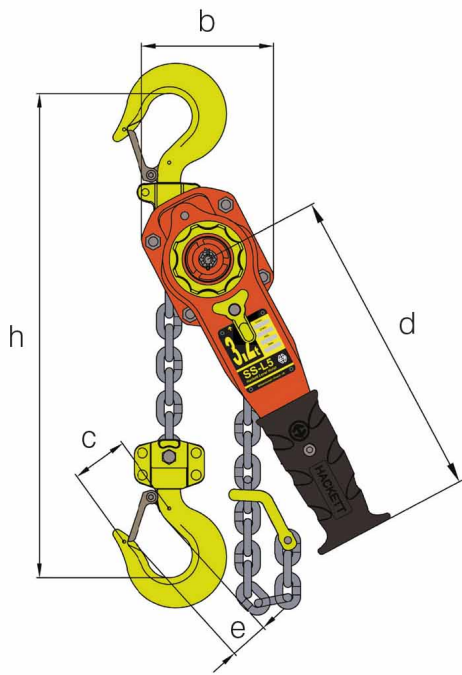
The William Hackett SS-L5 offshore lever hoist is manufactured in accordance with EN13157 which requires that it can be used within an operating temperature range of -40°C to +200°C.

The design and specification of the William Hackett SS-L5 offshore lever hoist includes:

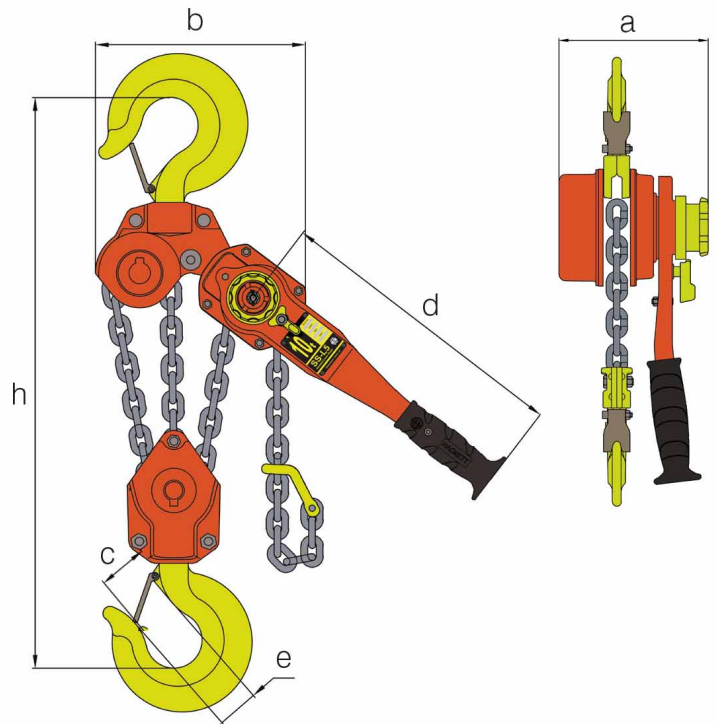
- **WORKING LOAD LIMIT RANGE:** 800kg to 20 tonnes.
- **LIGHT LOAD CAPABILITY:** the SS-L5 is tested and certified at 2% of the lever hoist rated capacity.
- **DABS (DUAL ANTI-LOCK BRAKE SYSTEM):** allows the load chain to be adjusted in freewheel mode without locking the brake.
- **CONSTRUCTION AND DESIGN:** minimises ingress of contaminants to the internal mechanism and brake surfaces.
- **STAINLESS STEEL PAWL SPRINGS:** secured internally to reduce risk of damage.
- **STAINLESS STEEL FIXINGS:** All internal springs are stainless steel, circ clips securing the pawls onto the pawl stands, stainless steel nyloc nuts and socket head cap screw are used to secure all hook housing
- **SINTERED/FUSED FRICTION MATERIAL:** directly onto the ratchet gear. Grooves in the friction material enable water to be dispelled from the friction surface more effectively during subsea operations.
- **LOAD CHAIN:** complies fully with BSEN818-7 Grade T(8). Finish: Zinc plated.
- **CORROSION PROTECTED:** The complete brake mechanism is corrosion protected including the pinion shaft, disc hub, change gear, ratchet gear, pawls, pawl stands and load sheave. In addition the load chain guide, stay bolt and chain stripper are also corrosion protected.
- **HIGH PERFORMANCE WATERPROOF GREASE:** used throughout the hoist enhancing the corrosion protection.
- **ADJUSTABLE TRAVELLING END STOP:** the uniquely designed traveling end stop allows the operator to position the end stop at any point along the slack section of the load chain. When the lever hoist is in a final rigged position the traveling end stop can be positioned adjacent to the SS-L5 offshore lever hoist body. This has the function of preventing payout of the chain for whatever reason when the lever hoist is operated again
- **OVERLOAD LIMITER:** available as an option upon request



## Single Fall



## Multi Fall



## Specifications

Part Code	WLL tonnes	No. of Falls	Load Chain mm	Standard Lift m	a mm	b mm	c mm	d mm	e mm	h mm	Nett Weight kg	Extra Weight per M kg
034.SS.080	0.80	1	5.6 x 15.7	3	146	119	42.0	245	27.0	280	5.85	0.70
034.SS.160	1.60	1	7.1 x 19.9	3	164	126	54.5	265	36.0	335	7.35	1.10
034.SS.320	3.20	1	10 x 28	3	196	159	60.5	415	42.0	395	13.70	2.20
034.SS.630	6.30	2	10 x 28	3	196	218	85.5	415	52.5	540	26.40	4.40
034.SS.1000	10.00	3	10 x 28	3	196	298	-	415	59.0	680	40.10	6.60
034.SS.1500	15.00	6	10 x 28	3	196	420	-	415	80.0	1000	70.20	13.20
034.SS.2000	20.00	8	10 x 28	3	196	480	-	415	80.0	1150	168.60	17.60