



William Hackett

SS-L5 Lever Hoist

Essential Safety Information



IMPORTANT NOTES

1. This document is issued in accordance with the requirements of the Health and Safety at Work etc. Act 1974 and the Supply of Machinery (Safety) Regulations 2008. It provides essential safety information, guidance and instruction to the user for the care and safe use of the equipment.
2. The information in this document must be passed to the duty holder's responsible person for the inspection, examination, use, storage, maintenance and repair of the equipment. The duty holder may or may not be the actual user of the equipment.



1. Selecting the correct Hackett SS-L5 lever hoist

- 1.1 William Hackett second generation SS-L5 subsea has been developed in line with industry and BP guidelines, specification and compliance requirements for lever hoists used in the subsea environment. The SS L5 also meets and exceeds the requirements of IMCA LR005, DO28-Rev. 2 June 2017. 'Guidance on the use of chain lever hoists in the offshore subsea environment' as well as international standards BS EN13157: 2004 + A1:2009, ASME B30.21-2014, AS1418.2-1997 and 1636:2-2007.
- 1.2 William Hackett SS-L5 lever hoists are designed for use in any orientation but it is important that the operator ensures the free/slack end chain runs through smoothly and cleanly without twisting or bunching which is liable to cause a jam.
- 1.3 William Hackett SS-L5 lever hoists are assembled, chained and tested in the UK to the height of lift specified by the end user.
- 1.4 William Hackett SS-L5 lever hoists can be used within an operating temperature range of -40°C to +55°C.
- 1.5 The configuration of lever hoist assemblies are demonstrated below and are in accordance with the product specification, dimensions and safe working load (SWL) recorded in Table 1.
- 1.6 Lever hoists should not be used to lift loads below the 10% of their rated capacity ie: 1 tonne hoist = 100 kg minimum lift.
- 1.7 In accordance with statutory requirements (e.g. The Lifting Equipment and Lifting Operations Regulations 1998), all lifts using lever hoist assemblies shall be planned by a competent person; require risk assessment and the production of a task method statement; and be subject to execution by suitably trained operatives under the supervision of a responsible person. The specification of the lever hoist assemblies required to achieve a safe lifting operation must be determined by a competent person.

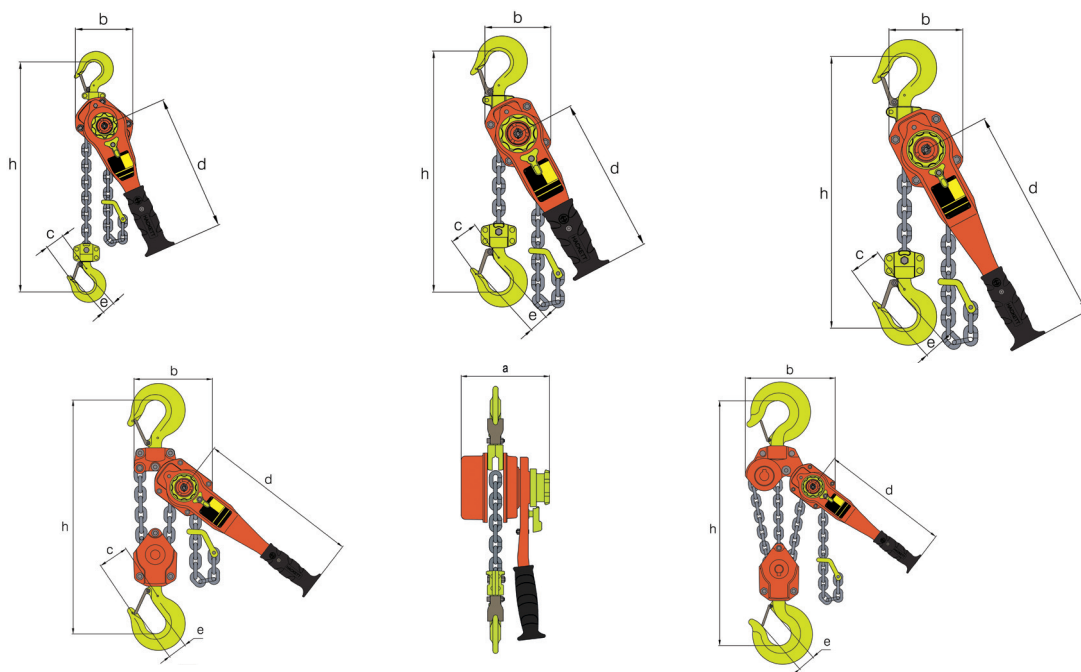


Table 1: Product specification, dimensions and SWLs for William Hackett SS-L5 lever hoists

Part Code	SWL (t)	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.083	0.8	1	5.6 x 15.7	3	146	119	42	245	27	280	6.9	0.7
034.SS.163	1.6	1	7.1 x 19.9	3	164	126	54.5	265	36	335	9.0	1.1
034.SS.323	3.2	1	10 x 28	3	196	159	60.5	415	42	395	17.0	2.2
034.SS.633	6.3	2	10 x 28	3	196	218	85.5	415	52.5	540	33.0	4.4
034.SS.1003	10.0	3	10 x 28	3	19	298	-	415	59	380	50.0	6.6
034.SS.1503	15.0	6	10 x 28	3	196	420	-	415	80	1000	90.0	13.2
034.SS.2003	20.0	8	10 x 28	3	196	480	-	415	80	1150	195.0	17.6

2. Safe use information

- 2.1 Do not attempt lifting operations unless you have been properly trained and you understand the use of the equipment.
- 2.2 William Hackett SS-L5 lever hoists are not designed for lifting people and should not be used for that purpose.
- 2.3 Use appropriate personal protective equipment (PPE)
- 2.4 Always inspect the lever hoist prior to and after use, and if any damage is apparent the hoist should be quarantined for inspection by a competent person. Labels should clearly show the identification and other data for the hoist.
- 2.5 Check the correct engagement of the top and bottom hooks.
- 2.6 Ensure that the suspension structure has sufficient load bearing strength and capacity to support the load and the rigging attached to the suspension point.
- 2.7 Do not use the lever hoist as a chain sling; it is a lifting appliance and suitable lifting accessories should be incorporated into the lift plan to facilitate a safe lifting operation.
- 2.8 Establish a clearly defined zone around the area of the lifting operation.
- 2.9 Always stand aside from the load when operating the hoist and ensure that no one enters the lift zone unintentionally during the lifting operation.
- 2.10 Ensure that the load chain is not twisted, particular care should be taken when using multi-fall hoists.
- 2.11 During the lift the load chain should be straight and should not contact any angles or edges.
- 2.12 Take the load steadily and avoid shock loads.
- 2.13 Do not expose lever hoist assemblies, chain slings and components to chemicals or corrosive solutions (whether immersed in such solutions or used in atmospheres in which fumes are present), particularly acidic or strongly alkaline environments without consulting the supplier or manufacturer.
- 2.14 Do not leave suspended loads unattended. In an emergency cordon off the working area and establish safe exclusion zones.
- 2.15 Damaged lever hoists should be returned to stores/ rigging loft and tagged "DO NOT USE", then placed in quarantine.

3. Fleeting advice

- 3.1 Top Hook Suspension - the suspension point must have sufficient clearance to allow the top hook to articulate within it.
- 3.2 The suspension point must have a SWL greater than the load to be lifted.
- 3.3 Bottom Hook Attachment - the attachment point onto the load must have sufficient clearance to allow the bottom hook to articulate within it.
- 3.4 Make sure that the load chain is free from any twists or knotting; and in respect of multi-fall manual lever hoists that the bottom hook has not been capsized.
- 3.5 Check the area around the load and assess if the load will move between lever hoists during the lifting operation.
- 3.6 Ensure that both the top hook, bottom hook, lever hoist carcass, and load chain are all in line.
- 3.7 When using multiple manual lever hoists to lift and move a single load, the load should not exceed the SWL of any individual hoist being used for that lift.

4. Inspection, maintenance & discard criteria

- 4.1 Lifting equipment, including lever hoists, should be thoroughly examined before first use and at periodic intervals in accordance with statutory requirements i.e. the Lifting Operations and Lifting Equipment Regulations 1998 and the Provision and Use of Work Equipment Regulations 1998.
- 4.2 Only competent persons should carry out the inspection, examination, maintenance and repair of lifting equipment, including William Hackett SS-L5 lever hoists.
- 4.3 The user should inspect the lever hoist before each period of use and prior to placing the hoist back into storage.
- 4.4 The identification and SWL ID number must be clearly visible on the hoist label accompanied by the CE mark.
- 4.5 The load chain should be checked for nicks, gouges, weld splatter or heat discoloration all of which are quarantine and potential discard criteria.
- 4.6 Hooks should be checked for nicks, wear or gouges and for free rotation.
- 4.7 Safety catches fitted to hooks must operate freely.
- 4.8 Only original William Hackett components should be used to repair a William Hackett lever hoist. If an alternative manufacturer's components have to be used, then a Certificate of Thorough Examination and Test must be issued with the goods and the original Declaration of Conformity must be retained to provide the required level of traceability.

5. Storing and handling lever hoists

- 5.1 Damaged lever hoists should be returned to stores/rigging loft and tagged "DO NOT USE", then placed in quarantine.
- 5.2 Store lever hoists together with load chain on a rack and not lying on the ground. The storage area should be dry, clean and free from contaminants.
- 5.3 Load chain should be wiped with a light oil if it is going into storage for a long period of time, and wrapped around the lever hoist.
- 5.4 The handling of lever hoists and associated equipment should have regard to statutory requirements, risk assessments and method statements for manual handling operations.

6. Operative training

- 6.1 All personnel involved in using lifting equipment in any of its many forms must be provided with suitable training. This is a specific requirement highlighted in the Health & Safety at Work etc. Act 1974 and ancillary legislation and is of particular concern given the risk to individuals and equipment due to incorrect use.

7. Further information and guidance

- 7.1 Duty holders and actual users of lifting equipment, including lever hoists and associated components can obtain more detailed information and guidance on safe use and compliance with statutory requirements from the following publications (or later editions or replacements of those publications):-
 - 7.1.1 HSE Publication L22 (2014) Safe Use of Work Equipment.
 - 7.1.2 HSE Publication L113 (2014) Safe Use of Lifting Equipment.
 - 7.1.3 HSE Publication INDG422 (2008) Thorough Examination of Lifting Equipment.
 - 7.1.4 HSE Publication L23 (2004) Manual Handling.
 - 7.1.5 HSE Publication L25 (2005) Personal Protective Equipment at Work.
- 7.2 For further information or other technical support about the use of William Hackett lever hoists, the user should contact the distributor or William Hackett.

Remove all packaging and dispose of and recycle where possible. When the product is of no further use, please dispose of with regards to the environment giving consideration to recycling, recovery and disposal.