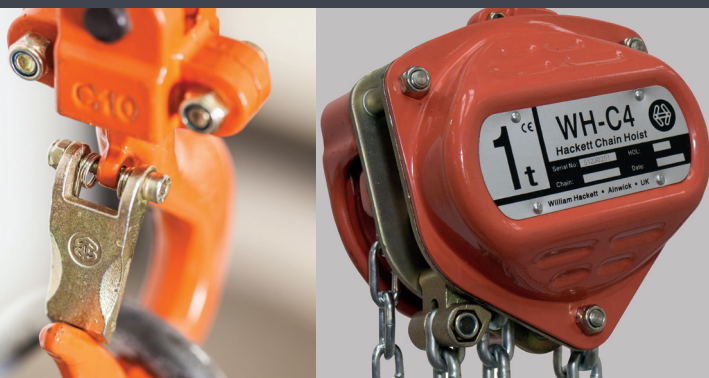




William Hackett

WH-C4 Chain Block

Essential Safety Information



IMPORTANT NOTES

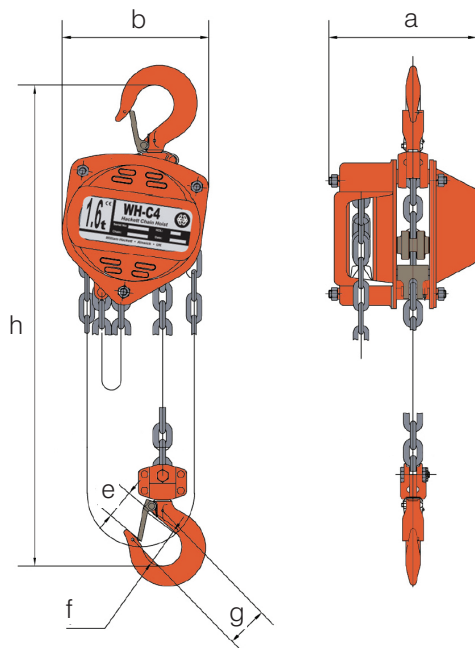
1. This document is issued in accordance with the requirements of the Health and Safety at Work etc. Act 1974 and the Supply of Machinery (Safety) Regulations 2008. It provides essential safety information, guidance and instruction to the user for the care and safe use of the equipment.
2. The information in this document must be passed to the duty holder responsible 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 C4 chain block

- 1.1 William Hackett C4 chain blocks are manufactured in accordance with BS EN 13157:2004+A1:2009, ASME B30.16-2012, AS1418.2-1997 and SANS 1594:2007
- 1.2 William Hackett C4 chain blocks are assembled, chained and tested in the UK to the height of lift specified by the end user.
- 1.3 The configuration of chain block assemblies are demonstrated below and are in accordance with the product specification, dimensions and safe working load (SWL) recorded in Table 1.
- 1.4 William Hackett C4 chain blocks can be used within an operating temperature range of -40°C to +55°C.
- 1.5 In accordance with statutory requirements (e.g. The Lifting Operations and Lifting Equipment Regulations 1998), all lifts using chain block assemblies should 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 chain block assemblies required to achieve a safe lifting operation must be determined by a competent person.

Single Fall



Multi Fall

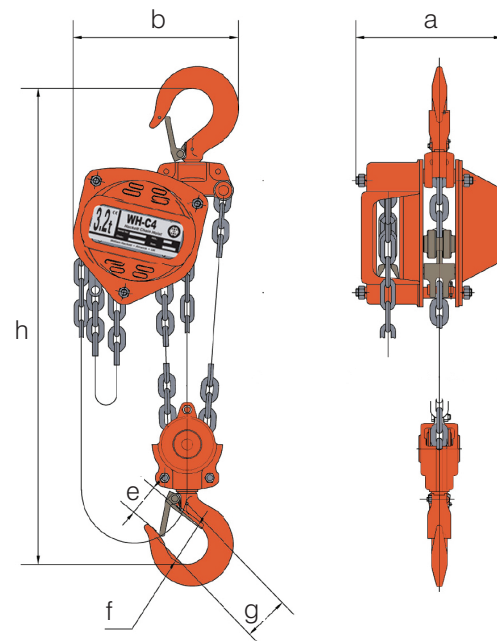


Table 1: Product specification, dimensions and SWLs for William Hackett C4 chain blocks

Part Code	SWL (t)	No. of Falls	Load Chain mm	Hand Chain mm	Standard Lift (m)	a mm	b mm	e mm	f mm	g mm	h mm	Mass kg	Extra Weight per M kg
022.050	0.50	1	5 x 15	5 x 25	3	125	130	22.5	32	37	280	7.80	0.50
022.100	1.00	1	6 x 18	5 x 25	3	134	155	26.5	40	44	306	11.10	0.80
022.160	1.60	1	8 x 24	5 x 25	3	151	173	32.5	42	48	368	15.80	1.40
022.200	2.00	1	8 x 24	5 x 25	3	157	185	36.5	46	52	445	16.80	1.40
022.32D00	3.20	2	8 x 24	5 x 25	3	157	235	43.5	52	62	520	24.20	2.80
022.500	5.00	2	10 x 30	5 x 25	3	180	262	51.0	60	77	600	39.80	4.40
022.750	7.50	3	10 x 30	5 x 25	3	192	373	64.0	85	-	740	72.40	6.20
022/1000	10.00	4	10 x 30	5 x 25	3	180	365	53.0	85	-	760	89.70	8.80
022/1500	15.00	6	10 x 30	5 x 25	3	210	406	80.0	100	-	1000	91.10	13.20
022/2000	20.00	8	10 x 30	5 x 25	3	225	550	80.0	110	-	1150	197.00	17.60
022/3000	30.00	12	10 x 30	5 x 25	3	360	680	80.0	110	-	1250	301.00	26.40
022/5000	50.00	20	10 x 30	5 x 25	3	585	832	133.0	170	-	1700	465.00	44.00

2. Safe use information

- 2.1 Do not attempt lifting operations unless you understand the use of the equipment, the lifting and slinging procedures and you have been suitably trained.
- 2.2 William Hackett C4 chain blocks 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 chain block prior to use, and if any damage is apparent the block should be quarantined for inspection by a competent person. Labels should clearly show the identification and other data for the block.
- 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.
- 2.7 Do not use the chain block 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 If more than one chain block is to be used, refer to fleeting instructions in section 6.
- 2.9 Establish a clearly defined zone around the area of the lifting operation.
- 2.10 Always stand aside from the load when operating the block and ensure that no one enters the lift zone unintentionally during the lifting operation.
- 2.11 Ensure that the load and hand chains are not twisted, particular care should be taken when using multi-fall blocks.
- 2.12 During the lift the load and hand chains should be straight and should not contact any angles or edges.
- 2.13 Take the load steadily and avoid shock loads.
- 2.14 Do not expose chain block 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.
- 2.15 Do not leave suspended loads unattended. In an emergency cordon off the working area and establish safe exclusion zones.
- 2.16 Never return a damaged chain block to stores; it should be reported to a competent person.

3. Fleeting advice

- 3.1 The following guidance is for the safe use of manual chain blocks when being used away from the vertical (between 0° and 45°), and when lifting and moving a load in conjunction with additional manual chain blocks (known as fleeting or cross hauling). These lifting operations should be assessed and planned by a competent person.
- 3.2 Top Hook Suspension - the suspension point must have sufficient clearance to allow the top hook to articulate within it.
- 3.3 The suspension point must have a SWL equal to or greater than the load to be lifted.
- 3.4 Bottom Hook Attachment - the attachment point onto the load must have sufficient clearance to allow the bottom hook to articulate within it.
- 3.5 Make sure that the load and hand chains are free from any twists or knotting; and in respect of multi-fall manual chain blocks that the bottom hook has not been capsized.
- 3.6 Check the area around the load and assess if the load will move between chain blocks during the lifting operation.
- 3.7 Ensure that both the top hook, bottom hook, chain block carcass, and load and hand chains are all in line.
- 3.8 When using multiple manual chain blocks to lift and move a single load, the load should not exceed the SWL of any individual block being used for that lift.

4. Inspection, maintenance & discard criteria

- 4.1 Lifting equipment, including chain blocks, 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).
- 4.2 Only competent persons should carry out the inspection, examination, maintenance and repair of lifting equipment, including William Hackett C4 chain blocks.
- 4.3 The user should inspect the chain block before each period of use and prior to placing the block back into storage.
- 4.4 The identification and SWL information must be clearly visible on the block label accompanied by the CE mark.
- 4.5 The load and hand chains 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 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 chain block. 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 chain blocks

- 5.1 Never return damaged or contaminated chain block to storage. The equipment should be dry, clean and protected from corrosion.
- 5.2 Store chain blocks on a rack and not lying on the ground. The storage area should be dry, clean and free from contaminants which could harm the equipment.
- 5.3 Do not drag a chain block but use a pallet or other container to move the equipment from one location to another.
- 5.4 The handling of chain block 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 chain blocks 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 chain blocks, the user should contact the distributor or William Hackett.