Clarke CCH500B Chain Block Instruction Manual

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INTRODUCTION

Thank you for purchasing this CLARKE Chain Block. Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

INTENDED USE

The Chain Block is a portable lifting device easily operated by hand chain. It Is suitable for use in factories, mines, farms, construction sites, docks and warehouses for Installation of equipment, as well as for loading and unloading goods. It Is specialty advantageous for lifting work In open air grounds and places where no power supply is available. The chain block can be attached to a trolley of any type as a travelling chain block. It is suitable to monorail overhead conveying system, hand travelling crane and jib crane.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase. This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended. Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission. This guarantee does not effect your statutory rights.

SAFETY PRECAUTIONS

ALWAYS:

- Inspect the general condition of the chain block and chains for signs of damage or wear before placing into storage.
- Check that the load hook will reach its lowest point without running the chain fully out.
- Ensure that the suspension point is strong enough to take the weight of the chain block and its load.

- Check the travel path is clear and that you have a clear view so as to avoid any obstructions.
- Wear industrial gloves when operating the chain block.
- Wear a hard hat, steel toe capped boots and safety goggles when operating the chain block.

NEVER:

- Lift a load exceeding the rated capacity stated on the Chain Block.
- Use the chain block when the chain is kinked.
- Stand beneath a raised load.
- Use the chain block if it requires more than ordinary effort to operate it.
- Throw, drop or drag the chain block.
- Use undue effort to force the block to operate.
- Allow oil or grease to come into contact with the brake.
- Lift loads at an angle or use for towing. Only lift loads vertically.
- Never replace the load chain with a non-approved spare chain.

BEFORE LIFTING

1. Careful inspection should be made to the parts, such as hooks, load chain, braking device, etc. and the lubrication of the block. The chain block can only be put Into operation when It is found to be in good condition.
2. Judge the weight of the load to be lifted and make sure the chain block is suitably rated.
    1. Never overload the block on any occasion.
3. Attach the chain block to the suspension point.
    1. The suspension point must be able to support the weight of the load and the chain block.
4. Attach the load hook directly to the load or sling, ensuring it is directly above the centre of gravity of the load.

OPERATION

1. Ensure that no obstruction prevents a clean lift
2. Gently raise or lower the load by pulling the hand chain through the block in the desired direction – Clockwise to lift and anti-clockwise to lower
    1. While lifting or lowering a load, the hand chain should be pulled steadily so as to prevent it from jerking or tangling.
    2. Lift the load a few centimeters and check stability before commencing full lift.
    3. DO NOT allow anyone to walk or work under a lifting load.
    4. You should look for any defects occurring during operation and stop using the chain block if you notice any.
    5. When lowering a load, be aware that when the hand chain is released, the load will not stop immediately, but may continue for a few more millimeters as the brake takes effect.
    NOTE: The brake may get hot with continued use.
3. After operation, clean the chain block and lubricate the chain if required.Store it in a dry place to protect it from rust and corrosion.

JAMMING

Stop operation immediately if the hand chain cannot be pulled any further. Don’t try to force the chain. Proceed Inspection as follows:

- if there is anything entangled with the load.
- Whether there is any trouble with the parts of the block.
- Whether the load weight is over the rated capacity of the block.

MAINTENANCE

EVERY SIX MONTHS:

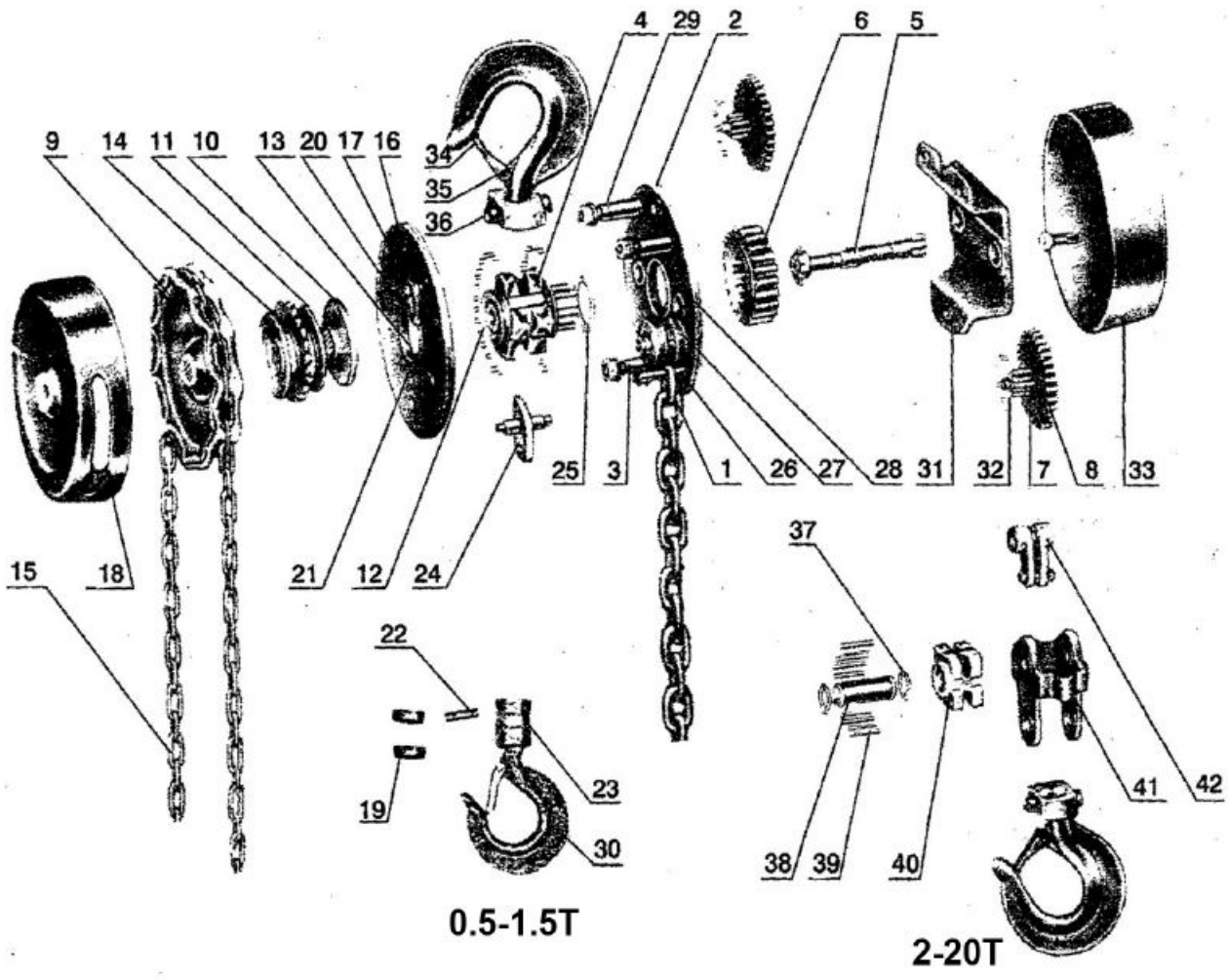
- Fully unwind the lifting chain and check its general condition for corrosion, wear and signs of stretching or fracture.
- Check the security and condition of the suspension point.
- Check the condition of hooks and the tightness of all bolts and screws.

NOTE: When in constant use, the chain block should be inspected more frequently, at least monthly. If in doubt about the use or maintenance of this equipment, consult you local authorised CLARKE dealer.

SPECIFICATIONS

	CCH500B	**CCH1000B**	**CCH2000B**	**CCH3000B**
Capacity (tonnes)	0.5	1	2	3
Maximum Lift (M)	3	3	3	3
Load Chain Dia. (mm)	5.9	5.9	5.9	7.9
Gross Weight (kg)	9.25	9.4	12.75	21.5
Part Nos.	7630452	7630462	7630472	7630482

COMPONENT PARTS



1.Load chain	10.Brake seat	19.Ring	28.Bearing race	**CCH2000B only**
2.RH Sideplate	11.Friction plate	20.Pawl pin	29.Stay B	37.Snap ring
3.Stay	12.Roller	21.LH Sideplate	30.Hook	38.Shaft
4.Chain sprocket	13.Bearing race	22.Chain pin	31.Bent plate	39.Needle
5.Driving shaft	14.Ratchet disc	23.Lower hook block	32.Roller	40.Idler sheave
6.Splined gear	15.Hand chain	24.Stripper	33.Sheet cover	41.Hanger
7.Pinion shaft	16.Pawl spring	25.Snap ring	34.Latch clamp	42. Suspension plate
8.Disc Gear	17.Pawl	26.Pin	35.Headless rivet	
9. Hand wheel	18. Handwheel cover	27. Guide roller	36.Hook holder	

DECLARATION OF CONFORMITY

CE

Clarke® INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2006/42/EC Machinery Directive.

The following standards have been applied to the product(s):

EN 13157:2004 / A1:2009

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2009

Product Description:	Chain Hoists
Model number(s):	CCH500B,1000B, 2000B, 3000B
Serial / batch Number:	N/A
Date of Issue:	29/01/2020

Signed:

J.A. Clarke

Director

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Documents / Resources

	Clarke CCH500B Chain Block [pdf] Instruction Manual CCH500B, CCH1000B, CCH2000B, CCH3000B, Chain Block