

(HCH CHAIN BLOCK) CHAIN BLOCK CK TYPE

Competitive chain block CK type with industrial performance

Main Features:

- Chain Block CK Type meets all pertinent world standards.
- Hardened steel rollers supporting the load sheaves run smoother and last longer than bearings
- Spur gear efficiency reduces operator effort. Double pawl and double guide rollers enhance performance, safety and reliability.
- Load chain is alloy steel grade 80 according to ISO 3077
- Deformation indicators – Two strategically placed marks allows for measurement to determine if the throat opening has changed thus indicating abuse or overload
- Equipped with wide throat top and bottom drop forged hooks that are designed to bend slowly to warn of overloads
- Every *HCH* chain block is operationally tested to 150% of the rated capacity and issued an individual test certificate with unique serial number
- Safety factor: 4 times of the rated capacity



Optional Features:

- Caged roller bearings on load sprocket
- Cr plated side plates
- Galv. load chain
- Cast latches
- Overload protection system



OPERATION INSTRUCTIONS

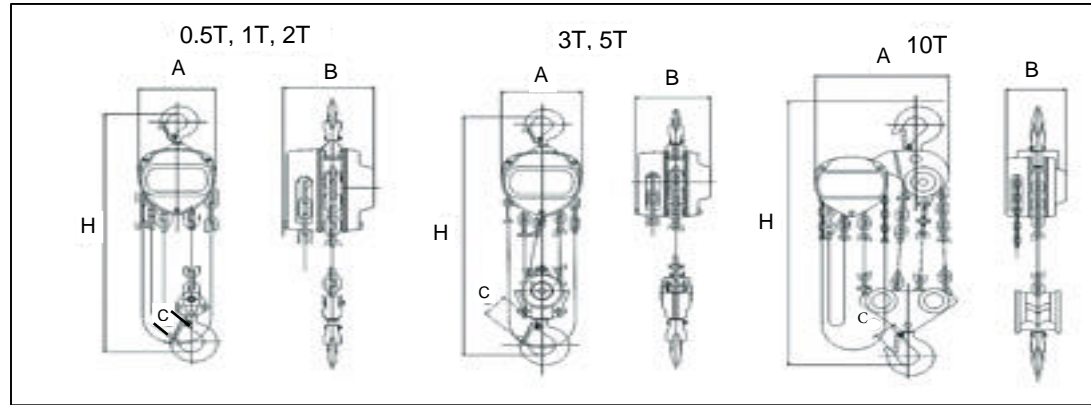
Before lifting, inspect carefully the hooks, the load chain, the brake device and lubrication of the block. For safe operation you must keep six rules as following.

1. Don't lift load exceeding the rated capacity of the chain block.
2. Don't use the block chain as a sling.
3. Don't use when the chain is kinking.
4. To avoid accidents, working or passing under a lifting load is strictly forbidden.
5. In case of the hand chain fails to move. Don't use undue force. Stop operation and proceed inspection of the chain block.
6. Only use to lift vertically, do not use to drag loads.

MAINTENANCE

1. After operation, clean the chain block from dirt and keep it in a dry place from rust and corrosion.
2. Clean the chain block annually by purging the parts in kerosene and apply grease to them, it is advisable that the cleaning work should be done by skilled hands.
3. "O" marks on the two disk gears should be aligned.
4. Stick the rollers of both left and right bearings to the inner race of the bearings on the chain sprocket shaft journal, and then put them into the outer race of the bearings on the side plates.
5. While assembling the brake mechanism, care should be taken on mesh the slanting teeth of the ratchet disc and the pawl. Make sure that the pawl is controlled by the spring sensitively and reliably. Then turn the hand wheel clockwise after screwing it onto the driving shaft and it must press the disc and the plates on the brake seat. Turning it counterclockwise. There should be clearances between the disc and the plates.
6. The stay and the right side plate are in transition fit. Care should be taken not to dismantle them.
7. After cleaning and repair, the chain block should be subjected to non-load and heavy load tests. If it works normally put it into operation.
8. Keep clean the friction surfaces of the brake mechanism while lubricating or operating the chain block. Inspect the brake mechanism frequently so as to avoid faulty braking or falling of load.
9. For convenience of maintenance and dismantling, one of the links of the hand chain is open.

HAND CHAIN HOIST



Specifications:

Model	HCH-1-10	HCH-1-15	HCH-1-20	HCH-2-10	HCH-2-15	HCH-2-20	HCH-4-10	HCH-4-15	HCH-4-20
Capacity (lbs.)	1,000	1,000	1,000	2,000	2,000	2,000	4,000	4,000	4,000
Standard Lift (ft.)	10	15	20	10	15	20	10	15	20
Column of Load Chain	1	1	1	1	1	1	1	1	1
Load Chain Dia. (mm)	6	6	6	6	6	6	8	8	8
Proof Load (lbs.)	1,500	1,500	1,500	3,000	3,000	3,000	6,000	6,000	6,000
Head Room "H" (in)	11	11	11	12	12	12	17-1/2	17-1/2	17-1/2
Hook Opening "C" (in)	1-1/2	1-1/2	1-1/2	1-3/4	1-3/4	1-3/4	2.00	2.00	2.00
Pull to lift Rated Load (lbs.)	50	50	50	68	68	68	103	103	103
Net Weight (lbs.)	22	26	30	26	34	42	45	54	63
Gross Weight (lbs.)	23	27	31	27	35	43	46	55	64
Packing Dimensions	9.5x6.5x5.5	9.5x6.5x5.5	9.5x6.5x5.5	10.25x7.5x6.0	10.25x7.5x6.0	10.25x7.5x6.0	12.0x9.5x6.5	12.0x9.5x6.5	12.0x9.5x6.5

CHAIN BELLOWS OR TYPIC SPANSE LIST

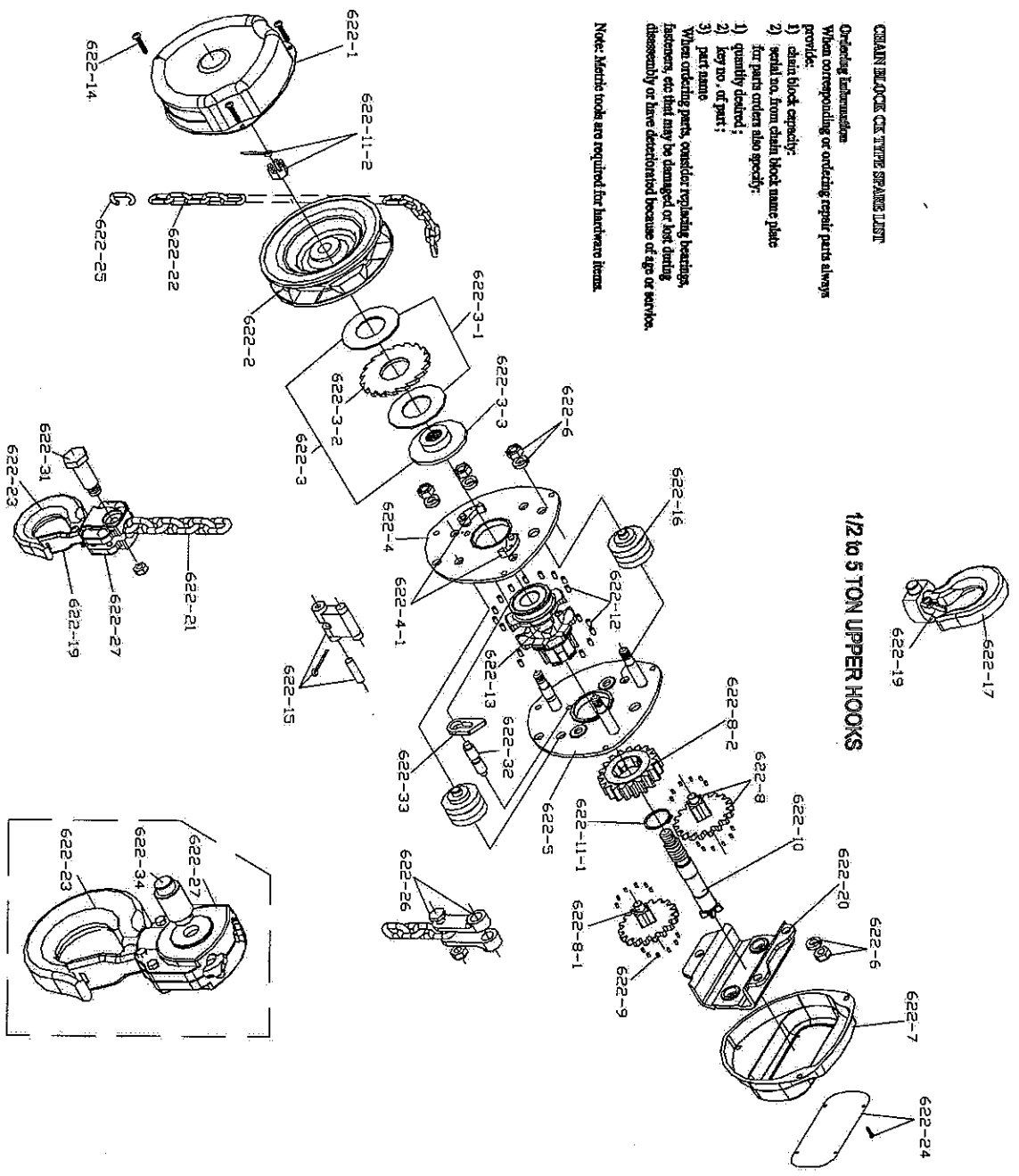
Ordering Information
When corresponding or ordering repair parts always provide:

- 1) chain block capacity;
- 2) serial no. from chain block name plate for parts orders also specify;
- 3) quantity desired;
- 4) key no. of part;
- 5) part name.

When ordering parts, consider replacing bearings, fasteners, etc that may be damaged or lost during disassembly or have deteriorated because of age or wear.

Note: Metric tools are required for hardware items.

1/2 to 5 TON UPPER HOOKS



Key No.	Qty	Description
622-1	1	Handwheel Cover
622-2	1	Handwheel
622-3	1	Huble Set
622-4-1	2	(Includes 2 x 622-3-1, 622-3-2 & 622-3-3)
622-3-1	2	Friction Washer
622-3-2	1	Parquet Disc
622-3-3	1	Huble Hub
622-4	1	Handwheel Side Plate (Includes Bearing Race & 622-4-1)
622-4-1	2	Pawl & Pawl Spring
622-5	1	Gear Side Plate (Includes Bearing Race, 2 Bushings & 3 Studs)
622-6	1	Main Hardware Kit (Includes 2 Gear Cover Nuts & 3 Handwheel Cover Nuts)
622-7	1	Gear Cover
622-8	2	Gear Set (Includes 2 x 622-8-1 & 622-8-2)
622-8-1	2	Disc Gear
622-8-2	1	Splined Gear
622-9	2	Gear Set Roller Kit
622-10	1	Pinion Shaft
622-11-1	1	1/8" Wheel Snap Ring
622-11-2	2	1/8" Wheel Roller Kit
622-12	2	1/8" Wheel Roller Kit
622-13	1	1/8" Wheel
622-14	3	Studs for Cover
622-15	1	Shim
622-16	2	Roller Guide
622-17	1	Top Hook Assembly (Includes Hook Holder & 622-19)
622-19	1	Safety Latch Kit (Includes Latch, Spring, Bolt & Nut)
622-20	1	Gear Cap (Includes 2 Bushings)
622-21	1	Lead Chain (Specify Lift or Length)
622-22	1	Hand Chain (Specify Lift or Length)
622-23	1	Bottom Hook Assembly (Includes 622-15, 622-34, 622-27 & 622-23)
622-24	1	Name Plate
622-25	1	Band Chain Connecting Link
622-26	1	Dead End Block Stud
622-27	1	Bottom Hook Holder
622-31	1	Lead Pin & Nut for Bottom Hook
622-32	1	Chain Stripper Pin
622-33	1	Chain Stripper
622-34	1	Auto