



Tiger[®] CE

Low Headroom Combination Chain Block & Trolley Model: LHCG Series

MODEL NO: LHCG -0600

Operating Instructions

WARNING

BEFORE USING THE TROLLEY, READ CAREFULLY THIS MANUAL AND KEEP IT FOR FUTURE NEEDS.

This hoist should not be installed, operated on or maintained by any person who has not read all the contents of these General Instructions. Failure to read and comply with these instructions or any one of the limitations noted herein can result in serious bodily injury and / or property damage.

(A) INSTALL

- ① Measure I-beam W-dimension.(FIGURE 1)
- ② Use adjusting collar to adjust the Trolley range to fit I-Beam.(FIGURE 2 & 3)
- ③ Make sure the Hook Receiving right in the center of the two side plate. (FIGURE 4)
- ④ Completely tighten the Nylon Nut.

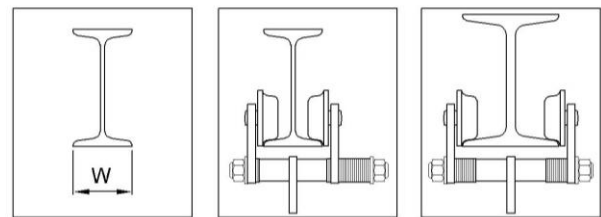


FIGURE 1

FIGURE 2

FIGURE 3

(B) IMPORTANT SAFETY INFORMATION

- ① Do not over loading.(FIGURE 5)
- ② Load just under the trolley.
Do not operate the trolley loaded slantwise. (FIGURE 6)
- ③ This trolley is not used to transport People or for loads over areas where People could be present.

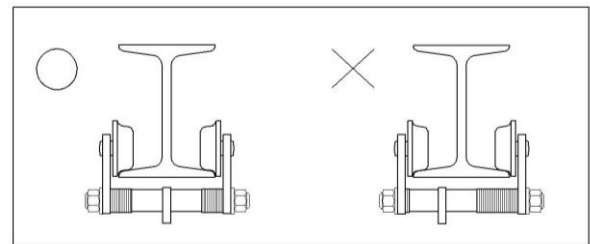


FIGURE 4

(C) MAINTENANCE & INSPECTION

- User have to check the Nylon Nut for Suspended Shaft periodically, to ensure the Nylon Nut completely tighten.
- Keep the Pinion Gear well lubricated for continued smooth performance.
- After use, service the hoist before storing it.
Servicing and repairs should only be carried out by qualified, competent, and responsible people.
(a) Clean the hoist thoroughly.
(b) Keep the hoist well-lubricated. Oil the load chain and hook shank.
(c) Store the hoist correctly against rain and moisture.
When the hoist is installed outdoors, exceptional care should be taken regarding maintenance.

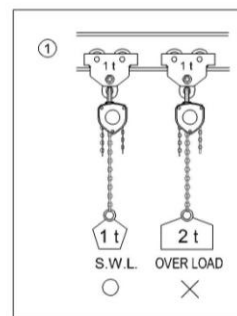


FIGURE 5

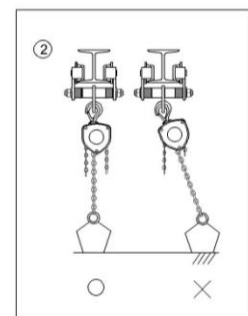


FIGURE 6

- **Frequent Inspections**-Visual Inspection by operator or other authorized person, and listening (while hoist operates)for unusual sounds which may indicate trouble.

- **Exception:** Brakes require more than audio-visual inspection. Check frequently by operating hoist, with and without load, stopping at various positions to test holding power and observe amount of drift, if any.

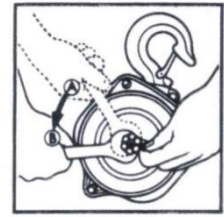


FIGURE 7

- **To Adjust Brake:**(See Fig.7)

A. Fully-tightened position.

B. Slack off slightly form Position A, and insert the cutter pin.

- ✘ Replace brake disc if thickness is less than 0.08 inch.

- **Load Chain and Hooks**

The hooks and load chains are made of special alloy-steels and are precisely heat-treated. Never weld or heat-treat them again.

Load Chain

The load chains are exceptionally long-wearing, but wear is unavoidable and certain conditions will cause wear and corrosion that will lessen the strength. Load chains worn beyond the permissible limits shown in the Table 1 must be replaced at once.

Hooks

The hook opening will elongate with overloads and incorrect hooking. When the hook opening is elongated beyond the permissible limits shown in the Table 2, it is dangerously deformed and must be replaced immediately.

TABLE 1 CHAIN DIMENSIONS

Model No.	Diameter of Chain Wire	Maximum Allowable Gauge Length
LHCG-0600	10.0mm	21 links=668.0mm

TABLE 2- HOOK THROAT OPENING

	Capacity (t)	Hook Throat Opening (mm)	
		g	
	Normal	Discard ≥	
6	58	63.5	

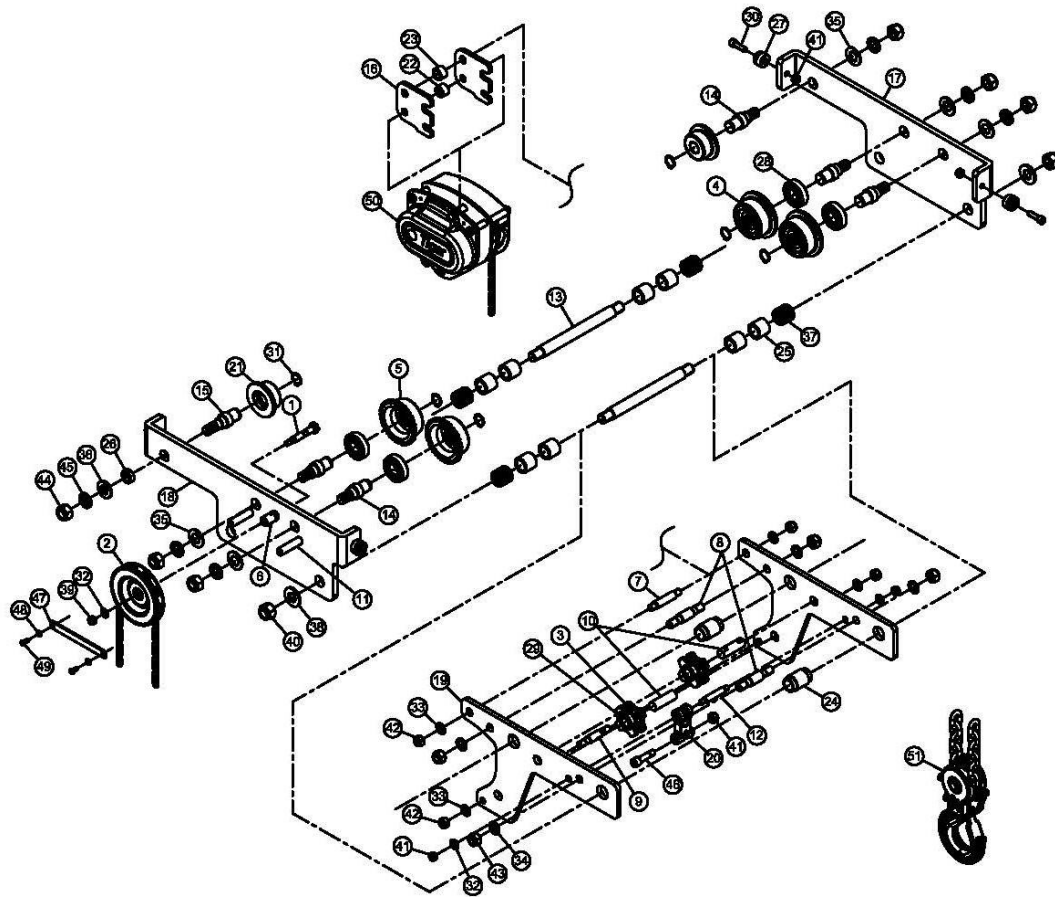
(D) SPECIFICATIONS

Type	Cap.	Safe Working Load	Track widths Adjustable Ranges
	ton	kg	mm
LHCG-0600	6	6000	106-320

(E) NOISE INFORMATION

- Operating Conditions: Full loading
- Measurement method: Circling the Trolley at a distance of 2 metre from the surface.
- The value of the maximum sound pressure is : 79 Db

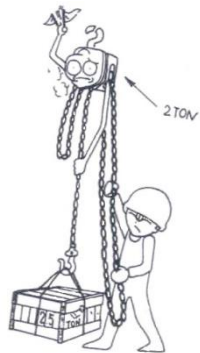
(F) EXPLODED VIEW AND PARTS LIST:



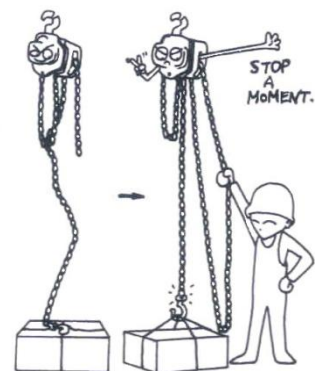
Part No.	Q'TY	Part Name	Part No.	Q'TY	Part Name	Part No.	Q'TY	Part Name
1	1	Hand Wheel	23	2	Bottom Hook Yoke	45	4	Stop Screw
2	4	Sheave	24	4	Side Plate Pin	46	4	Snap Ring
3	3	Plain Roller	25	1	Bushing	47	1	Washer
4	1	Gear Roller	26	2	Bushing	48	7	Washer
5	2	Suspended Shaft	27	4	Bushing	49	2	Washer
6	2	Bottom Suspended Shaft	28	4	Bushing	50	4	Washer
7	1	Wheel Pinion Shaft	29	4	Bushing	51	4	Washer
8	4	Roller Pin	30	1	Bushing	52	24	Washer
9	3	Top Sheave Pin	31	2	Bottom Sheave Seat	53	4	Washer
10	2	Bottom Sheave Pin	32	1	Chain Bag Frame	54	24	Washer
11	2	Protection Bar	33	1	Chain Bag	55	4	Nut
12	2	Hand Wheel Protection Bar	34	1	Bumper	56	1	Nut
13	1	Hand Wheel Protection Plate	35	4	Ball Bearing	57	2	Nut
14	1	Side Plate A (Plain)	36	4	DU	58	8	Nut
15	1	Side Plate B (Plain)	37	1	Bolt	59	4	Nut
16	1	Side Plate A (Gear)	38	4	Bolt	60	4	Nut
17	1	Side Plate B (Gear)	39	4	Bolt	61	4	Nut
18	4	Support Plate	40	1	Bolt	62	2	Spring Washer
19	2	Connection Plate	41	1	Bolt	63	1	Bottom Hook Assembly
20	4	Connection Plate(Chain Bag)	42	2	Bolt	64	1	Chain Block
21	1	End Stop	43	1	Bolt			
22	1	Weight Bar	44	2	Bolt			

P.S When ordering replacement parts, please specify Model No. Part No. & Quantity.

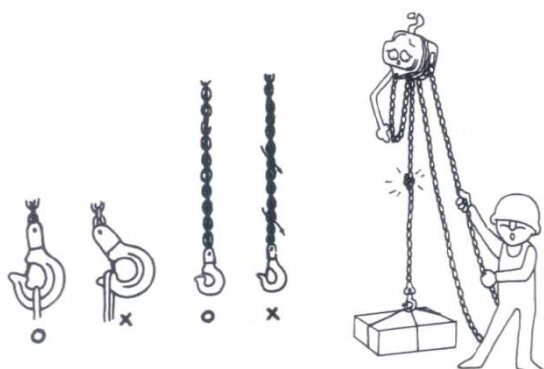
(G)IMPORTANT SAFETY INFORMATION



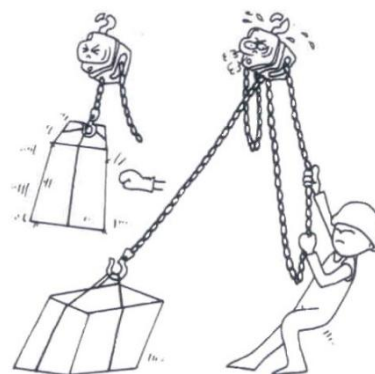
Do not overload your chain hoist.



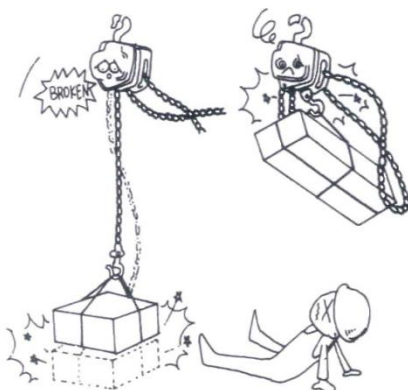
Do not give the load a sudden take-off. Take a breath when the load chain is just taut, and check for brake action by pulling up and down about 10cm above floor.



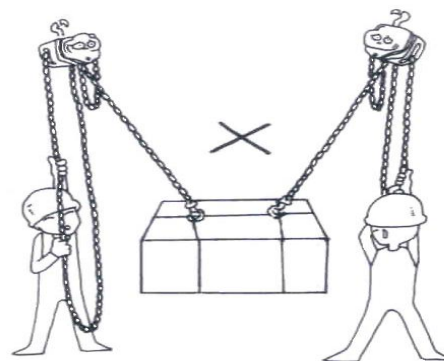
Do not use the chain with a kink.



Do not drag load against floor.



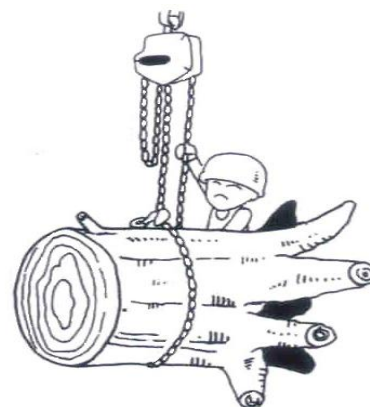
Do not raise too far or lower too fast.



Do not try to suspend a load with two hoists.



Never give a shock load to a hoist, even if the distance is very short.



Do not wrap the load chain around the load.

(H)ALIGNMENT OF GEARS DURING REASSEMBLY

Model No.: LHCG-0600

Note the marks "0" on the gears. For the right gear, place the "0" mark next to the pinion shaft spline on the horizontal centreline. For the left gear, place the "0" mark to the top on the vertical centreline as shown.(Figure9)

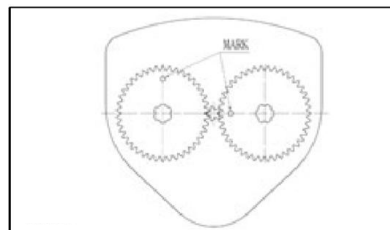
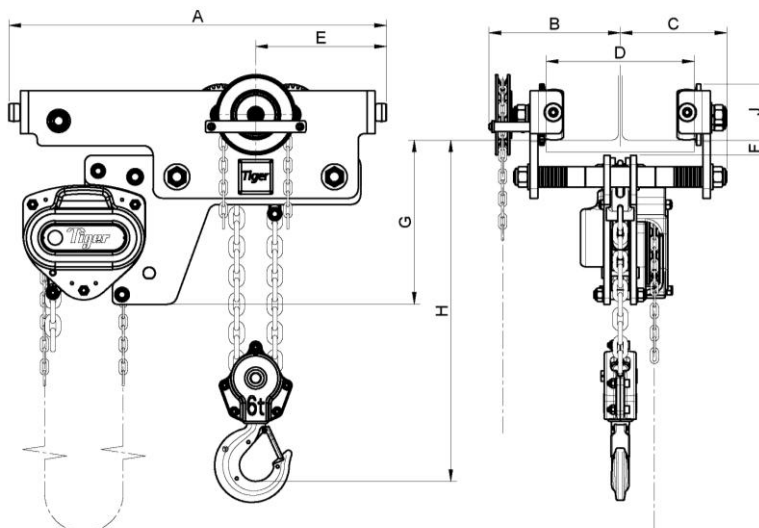


FIGURE 9

(I)TECHNICAL DATA

Product Code	Capacity(tonne)	Dimensions(mm)								
		A	B	C	E	F	G	H	J	D
LHCG-0600	6.0	791	275	223	274	32	344	425	117	106-310

Standard geared trolley hand chain length - 2.5m. We can change the length to suit your requirements.
Standard height of lift (HOL) of chain block - 3m. We can change this to suit your requirements.



LHCG-0600

Test Certificate

It is hereby certified that this product was manufactured under our single-unit control of quality and was passed in strict inspection in accordance with our inspection standard.

Capacity (ton)	S. W. L. (Kg)	Test Load (Kg)
6.0	6000	9000

Quality Control Department.