CHAIN PULLEY BLOCK

OPERATING
INSTRUCTION & MAINTENANCE
MANUAL

Let's make lifting smarter

TEST CERTIFICATE

Product: Chain Block .
Model: _____
Serial No.: _____
Capacity: _____
Lifting Height: _____

Dealer stamp

Inspector: _____
Date: _____

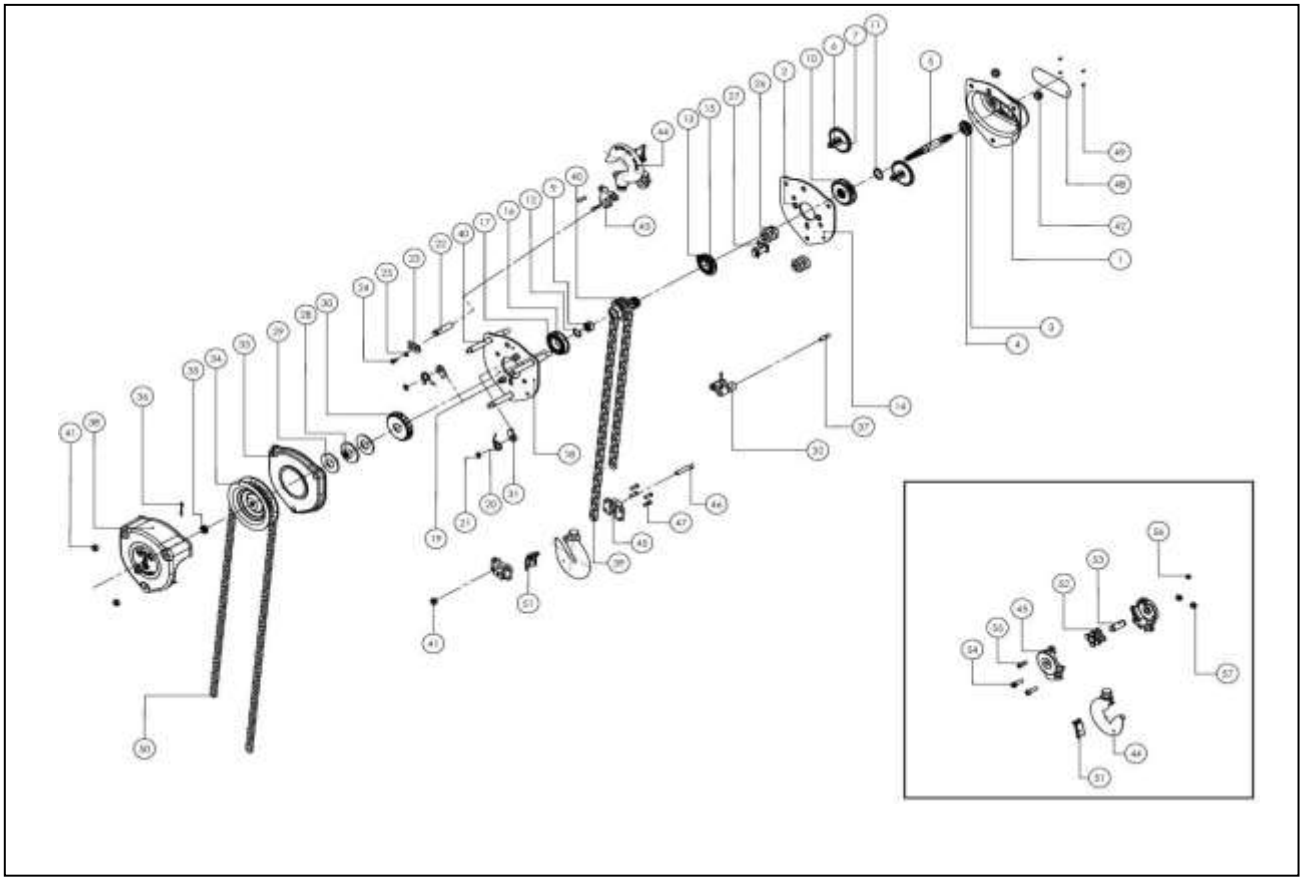
Date of selling: _____

THIS IS TO CERTIFY THAT THIS PRODUCT HAS BEEN MAANUFACTURED & TESTED AS PER STANDARD QUALITY NORMS.

Registered Office : B-9, DSIIDC Engineering Complex, Mangolpuri Industrial Area, Phase -1, New Delhi – 110083 Ph :- 011-46802215 / 8595649738 | Email id :- goplseas@gmail.com | CIN No. U74899DL1995PTC068694

Works 1: F-76, Sector – 2, DSIIDC Industrial Area, Bawana, New Delhi – 110041
Works 2 : Khewat No. 646 Khasra No.178, Beri Kultana Road, Sampla, Distt. Rohtak, Haryana – 124501

PRODUCT STRUCTURE



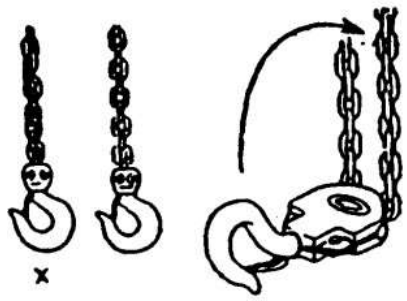
BALLOON NO.	DESCRIPTION	BALLOON NO.	DESCRIPTION	BALLOON NO.	DESCRIPTION
1	Gear Body Cover	20	Pawl Shaft Spring	39	Load Chain
2	Pinion Bush	21	External Circlip	40	Stud
3	Ball Bearing	22	Hook Attachment Pin	41	Hex Lock Nut
4	Circlip Ring Type	23	Lock Plate	42	Hex Lock Nut
5	Main Shaft P1	24	Round Head Screw	43	Top Hook Housing
6	Pinion Gear P2	25	Spring Washer	44	CPB Hook
7	Reduction Gear G1	26	Chain Guide Roller	45	Bottom Hook Housing
8	Load Chain Sprocket	27	Chain Stripping Fork	46	Hex Bolt
9	Needle Bearing	28	Coupling	47	Rivet
10	Load Gear G2	29	Brake Disc	48	Name Plate
11	External Circlip	30	Ratchet Gear	49	Rivet
12	Internal Circlip	31	Pawl	50	Hand Chain
13	Circlip Ring Type	32	Chain End Anchor	51	Safety Latch
14	Frame Plate I	33	Ratchet Cover	52	Bottom Chain Sprocket
15	Ball Bearing	34	Hand Chain Wheel	53	Bottom Chain Sprocket Pin
16	Ball Bearing	35	6-Slot Hex Nut	54	Allen Bolt
17	Circlip Ring Type	36	Cotter Pin	55	Allen Bolt
18	Frame Plate II	37	Dowel Pin	56	Lock Nut
19	Pawl Shaft	38	Hand Wheel Cover	57	Lock Nut

RECOMMENDED SAFETY PRINCIPLES

- Never lift load in excess of the safe working load marked on the block. The block has been proved loaded to 1.5 FOS for ISI marked product and 1.25 FOS for confirming to IS products the working load limit, but this has been done under carefully controlled condition. Use of the block at any load greater than the working load limit may result in damage.
- Never use a load chain as a sling, that is, by back looking.
- Before use, examine the load chain to ensure that there is no twist. In the case of a block lifting on two falls, twist can arise from the bottom block being accidentally turned over.
- Keep load chain well lubricated along their whole length and especially at the contact points between the links. In special circumstance, chain may be dry, but their life will be considerably reduced.
- If the load chain jumps, does not work smoothly or marks in use, it is probably out of pitch and should be replaced. (Either chain or chain wheel)
- Do not allow dirt and hard grease together in the pockets of the load or hand chain wheel.
- Do not store, or leave the pulley blocks lying on the ground where they can collect dirt.
- Chain pulley block are designed for lifting loads vertically and should not be used for pulling horizontally or at an angle.
- Never lift with the point of the hook.
- Never run the load chain out too far. When the block is run out beyond the extended dimension, an excessive and dangerous load is imposed at the load chain **slack and anchorage**.
- All pulley blocks shall be registered and, at periodic intervals, should be thoroughly cleaned, inspected and lubricated.
- Check the suspension fixture for top hook for adequate strength to support the load being lifted and the weight of the chain pulley block.

INTERVAL	TYPE OF CHECK	INSPECTION
1 Month	Visual Examination	- External condition of mechanism - Check the loading chain and attachments are in good condition - Check the hooks are in good conditions - Check the condition of accessories - Check that there are no dust - Checking the greasing - With a rag, oil the loading chain (oil grade SAE 80)
6 Month	In-depth Examination	- Correct operation of the break - See the sheaves is in good condition - Change the spare parts and check for wear

FIG. ILLUSTRATIONS FOR THE SAFE USE OF HAND-OPERATED CHAIN PULLEY BLOCK



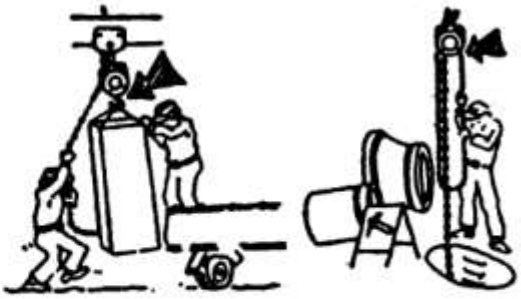
1. No twisting No capsizing for double type chains

2. Sling load from the centre of the hook

3. No direct binding of a load with a load chain

4. No overloading

5. No extreme slant slinging



6. No overlifting No overlowering

7. No rough handling

8. Do'nt forget to oil the load chain after use

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