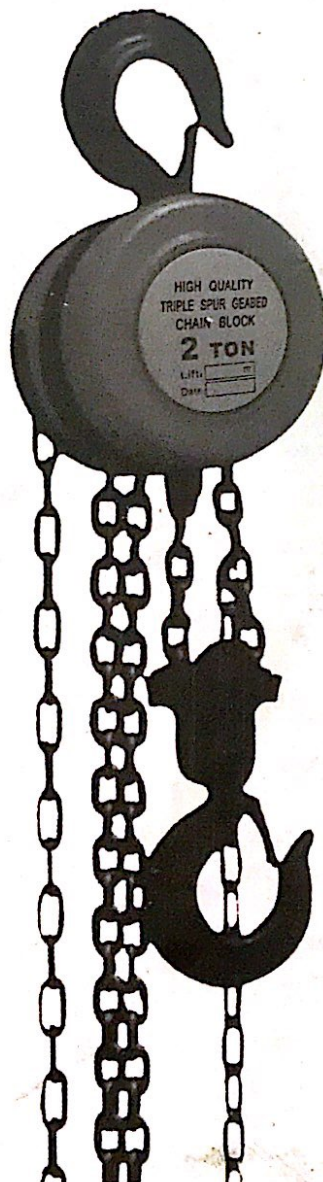


CHAIN BLOCK

OPERATING INSTRUCTIONS



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. 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.
- 6. For convenience of maintenance and dismantling. One of the links of the hand chain is open.

Lifting Load: Ensure area is clear of people and obstruction, and begin lifting by slowly pulling hand chain in "U" direction.

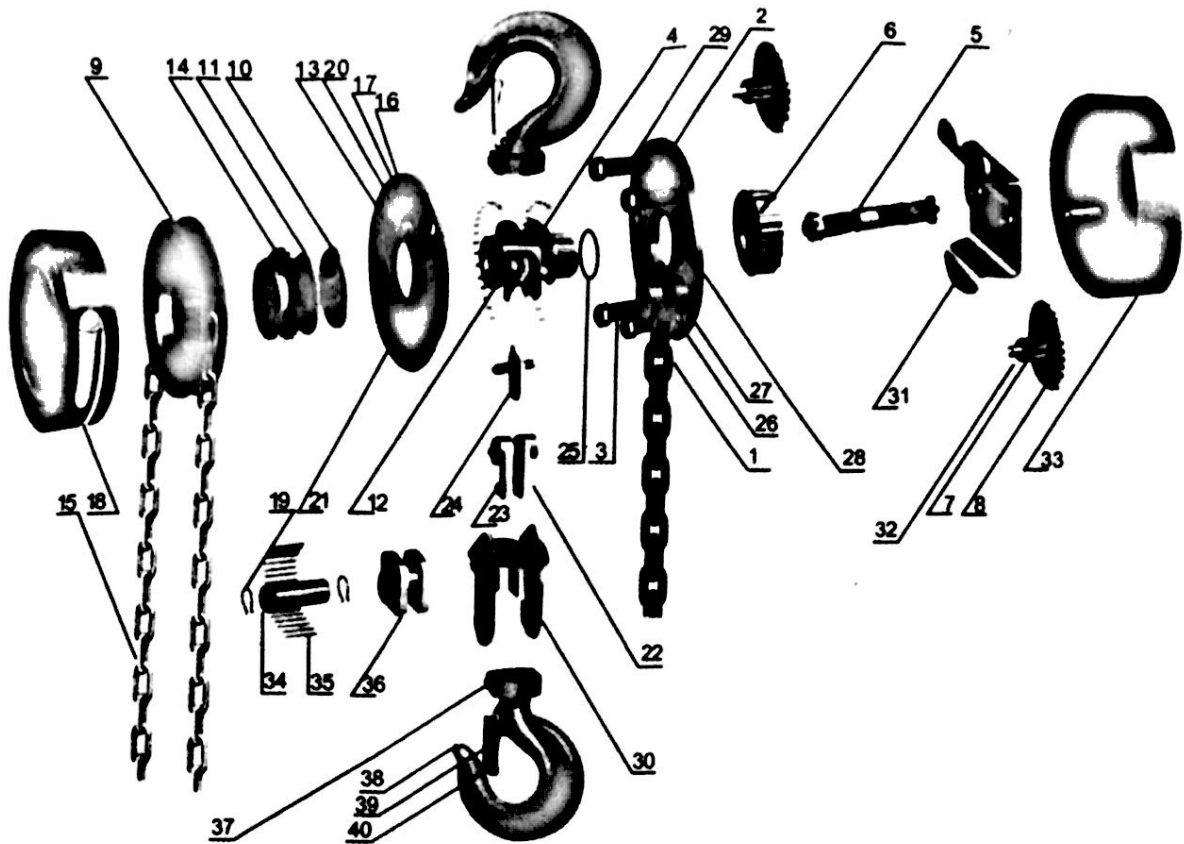
Lowering Load: Ensure area is clear of people and obstructions, and reverse lifting procedure. It may be necessary to apply extra initial effort to release friction between brake components.

SPECIFICATIONS

Model	HSZ1/2	HSZ1	HSZ2	HSZ3	HSZ5	HSZ10	HSZ20
Capacity T	0.5	1	2	3	5	10	20
Standard lift m	2.5 (3)	2.5 (3)	2.5 (3)	3 (5)	3 (5)	3 (5)	3 (5)
The minimum distance between the two hooks mm	280	300	380	470	600	730	1000
Effort required to lift max load N	161	322.5	345.5	404.5	476	476	480
No. of columns of load chain	1	1	2	2	2	4	8
Net weight kg	9.15 10	10.15 11	14 15.25	24 31.4	36 46.6	68 87.4	141 181
Extra weight per meter of extra lift kg	1.7	1.7	2.5	3.7	5.3	9.7	19.7

CHAIN BLOCK SPARE PARTS

0.5t, 1t, 1.5t, 2t



- | | | |
|------------------------|-------------------------|-----------------------|
| 1. Load chain | 15. Hand chain | 29. Super pin |
| 2. Right side plate | 16. Pawl spring | 30. Bottom hook plate |
| 3. Support pin | 17. Pawl | 31. Outside plate |
| 4. Load sheave | 18. Hand sheave cover | 32. Roller |
| 5. Pinion | 19. Spring collar | 33. Gear cover |
| 6. Spline gear | 20. Pawl pin | 34. Idle sheave shaft |
| 7. Short shaft | 21. Left side plate | 35. Roller pin |
| 8. Reduction gear | 22. Lifting chain plate | 36. Idle sheave |
| 9. Hand chain sheave | 23. Hook pin | 37. Hook beam |
| 10. Brake | 24. Chain stripper | 38. Hook |
| 11. Friction plate | 25. Spring collar | 39. Safety latch |
| 12. Roller | 26. Bolt | 40. Double Spring |
| 13. Bearing outer ring | 27. Guide sheave | |
| 14. Pawl sheave | 28. Steel bushing | |