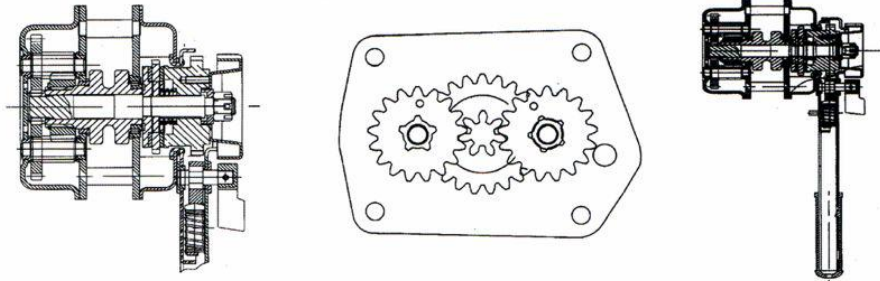


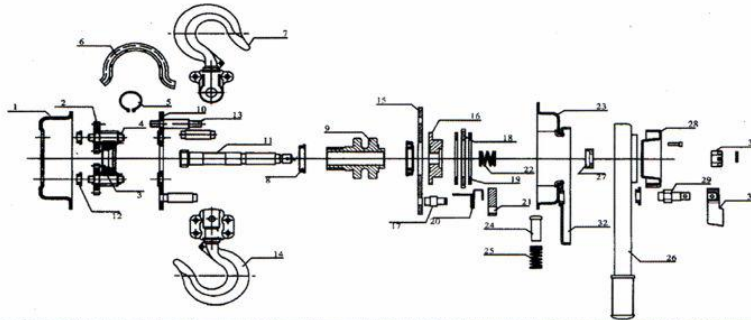
## HSH CONSTRUCTION OF BODY



## SPECIFICATIONS

Model		HSH ¼	HSH 1 ½	HSH 3	HSH 6
Rated Capacity	ton	0.75	1.5	3	6
Lift	m	1.5	1.5	1.5	1.5
Test load	ton	1.125	2.25	4.5	7.5
Min. distance between hooks:h	mm	303	365	485	600
Pull on lever to lift full load	kgt	20	21	33	35
No. of load chain falls		1	1	1	10
Diameter of load chain	mm	6	8	10	410
Lenght of lever handle:D	mm	290	410	410	
Dimensions	A	139	174	200	200
	B	84	108	115	115
	C	153	160	185	230
	F	37	45	55	65
	E	26	31	40	45
Net weight	kg	7	11	20	30

## Details Of Spare Parts for HSH Series Double lever Blocks



1. Gear case	6. Chain guide cover	11. Driving shaft	16. Brake seat	21. Pawl	26. Lever handle	31. Allocated block
2. Disk	7. On hook	12. Steel	17. Pawl shaft	22. Clutch	27. The following sets of	32. Inside the handle
3. Gear Spline Hole	8. Bearing ring	13. Stay bolt	18. Brake shaft spin	23. Brake cover	28. Handwheel	
4. Pinion shaft	9. Lifting chain	14. Under the hook	19. Friction plate	24. For the mandril	29. For the axis	
5. Ring	10. Side plate B	15. Side plate a	20. Pawl spring	25. Cheng-overspring	30. Spert nuts	

# HSH LEVER BLOCK INSTRUCTIONS

## MAINTENANCE

1. AFTER USE, CLEAN OFF THE DIRT ON THE BLOCK AND GREASE ITS PARTS, KEEP IT IN A DRY PLACE.
2. MAINTENANCE AND INSPECTION SHOULD BE MADE BY SKILLED HAND, NEVER ALLOW ANY LAYMAN TO DISASSEMBLE OR ASSEMBLE THE BLOCK.
3. WHEN ASSEMBLING ALIGN THE "O" MARKS OF TWO GEARS (2) AS SHOWN IN FIG. (2) AND FIG. (3).
4. WHILE THE LEVER HANDLE (20) IS PRESSING THE FRICTION PLATES (13) AND THE RATCHET DISK (33) THE DISTANCE BETWEEN THE LEVER HANDLE (20) AND THE ENDS OF NEXAGON SLOTTED NUT SHOULD BE CONTROLLED WITHIN 0.2MM-0.5MM.
5. AFTER CLEANING AND REPAIRING, THE BLOCK SHOULD BE SUBJECTED TO IDLE AND HEAVY TEST SO AS TO ENSURE RELIABILITY IN USE, MAKE SURE THAT BLOCK IS IN GOOD CONDITION BEFORE PUTTING IT INTO OPERATION.
6. KEEP THE FRICTION SURFACES OF BRAKE CLEAN, BRAKE MECHANISM SHOULD BE REGULARLY INSPECTED SO AS TO FORESTALL TROUBLE IN BRAKE.

## APPLICATION

HSH SERIES DOUBLE LEVER BLOCK IS A KIND OF HIGHLY EFFICIENT AND VERSATILE HAND OPERATED HOISTING APPLIANCE, WHICH IS CAPABLE OF BEING WIDELY APPLIED IN SHIPBUILDING, POWER PLANTS, TRANSPORT, CONSTRUCTION SITES, MINES, POST AND TELECOMMUNICATION FOR INSTALLING MACHINES, LIFTING GOODS AND DRAGGING LOADS ETC, IT IS PARTICULARLY USED IN THE NARROW PLACES, THE OPEN AIR AND OVERHEAD PLACES FOR PULLING AND STRETCHING WORK AT AN ANGLE.

## FEATURES

THE MAIN PARTS OF HSH DOUBLE SERIES LEVER BLOCK ARE MADE OF SUPERIOR STEEL, WHICH HAS THE FOLLOWING CHARACTERISTICS IN DESIGN AND SERVICE:

1. SAFE, RELIABLE AND DURABLE IN USE.
2. EXCELLENT PERFORMANCE AND MINIMUM MAINTENANCE.
3. SMALL VOLUME, LIGHT WEIGHT AND PORTABLE IN SIZE.
4. LIGHT HANDPULL AND HIGH EFFICIENCY.
5. ADVANCED STRUCTURE AND ATTRACTIVE APPEARANCE.

## CONSTRUCTION

HSH SERIES DOUBLE LEVER BLOCK IS EQUIPPED WITH A TRANSMISSION MECHANISM OF TWO-STEP GEARS AND WITH A SPRING CLUTCH SYSTEM. ITS MAIN PRINCIPLE OF OPERATION IS DESCRIBED AS FOLLOWS.

### • USE OF FREE GEARING SYSTEM

WHEN HOOKING NOTHING, THE SELECTOR LEVER (40) IS SET TO THE "C" (CENTRAL) POSITION. THE SPRING SETS THE LOAD CHAIN TO BE PULLED EASILY AND THE LOWER HOOK TO BE ADJUSTED AT ANY DESIRED POSITION.

### • LIFTING LOAD

SET THE SELECTOR LEVER TO "UP" POSITION AND TURN RIGHT THE LEVER HANDLE TO PRESS THE FRICTION PLATES (20) AND RATCHET DISK (13) TIGHTLY AGAINST THE BRAKE SEAT (33), THUS CAUSING THESE PARTS TO ROTATE IN UNISON. THEN DRIVE THE DRIVING SHAFT (11), DISK GEAR (2), PINION SHAFT (4), SPLINED GEAR (3), LOAD CHAIN AND THE LEVER HANDLE TO LIFT THE LOAD SMOOTHLY (SEE FIG. 1)

## OPERATION INSTRUCTIONS

1. DO NOT OVERLOAD.
2. DO NOT MOTORIZED-LEVER BLOCK IS DESIGNED FOR HAND OPERATION ONLY.
3. ALL MOVING PARTS SHOULD ALWAYS BE KEPT WELL LUBRICATED. BEFORE OPERATING SEE THAT THE VARIOUS PARTS ARE NOT DAMAGED, AND IDLE MOTION IS IN GOOD CONDITION.
4. BEFORE LIFTING INSPECT THE HOOK TO SEE WHETHER IT IS SECURELY ATTACHED. DO NOT SUSPEND A LOAD AT HOOK TIP. LOAD CHAIN SHOULD BE NOT TWISTED TO ENSURE SAFETY.
5. STOP OPERATING IMMEDIATELY IN CASE THE LEVER HANDLE FORCE EXCEEDS THAT OF NORMAL OPERATION. CHECK AS FOLLOWS:
  - A. WHETHER THERE IS ANYTHING ENTANGLED WITH THE LOAD
  - B. WHETHER THERE IS ANY TROUBLE WITH THE PARTS OF THE BLOCK
  - C. WHETHER THE LOAD IS OVER THE RATED CAPACITY OF THE BLOCK.

As our products are incessantly being improved and developed, the constructions of them may be slightly different from these instructions.