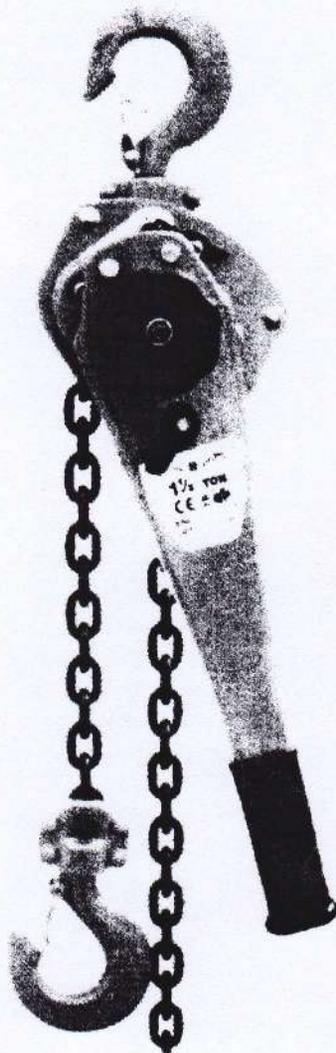


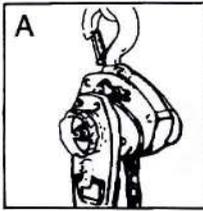
POWER Brand

LEVER BLOCK OPERATING INSTRUCTIONS



How to use the Lever Hoist Step-by-step instructions

1. Lightly apply oil to the chain. Ease the movement of the links, and ensure that there is no kinks or twists in the chain.
2. Set up the hook and chain in a straight line so that there is no undue strain (see caution note 3 on the previous page).



Normal state of use

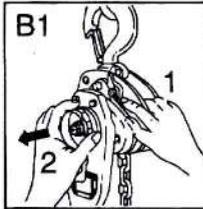
A. Prior to use, do not fail to make sure that the retaining pawl perfectly engages the retaining plate from outside.

3. Adjusting the length of the chain.

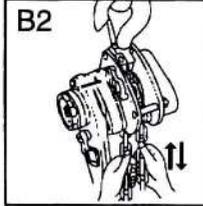
Start of idling

(Cautions before use)

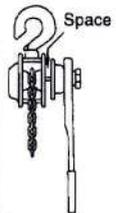
Do not operate the hoist with a load or the weight of the chain itself loaded on the holding side.



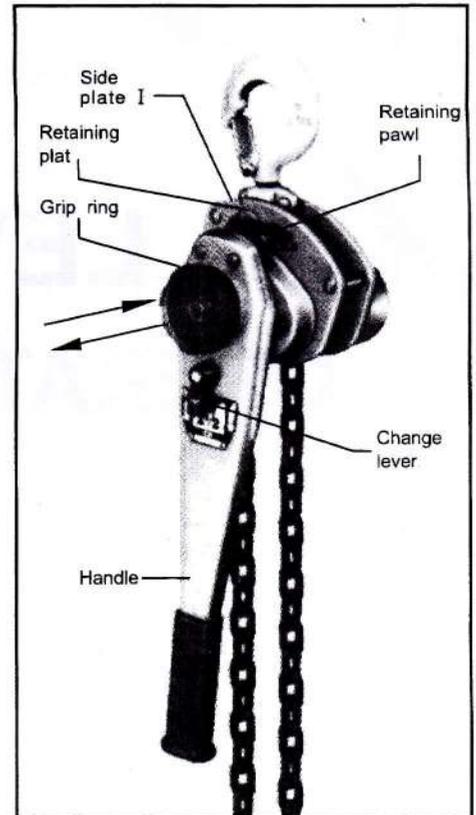
- B1. 1. While depressing the retaining pawl as far as possible to the bottom with a finger,
2. Pull the grip-ring outward.



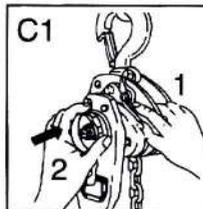
- B2. Stop pressing the retaining pawl with



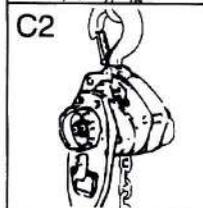
your finger so that it slides between the side plate and the retaining plate. By pulling, the chain can now be freely adjusted in both the upper and lower directions.



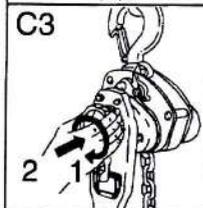
To terminate idling



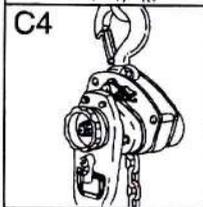
- C1. 1. While pressing the retaining pawl as far as possible towards the bottom,
2. Push the grip ring gently inward.



- C2. This means the retaining pawl engage the outer edge of the retaining plate.



- C3. 1. Thereafter, grip the grip-ring, rotate it clockwise a little, and
2. Push it in. The retaining pawl will automatically set itself outside of the retaining plate.



- C4. Do not fail to make sure that the retaining pawl has returned from the outside of the plate to its original position where it holds the retaining plate. It will thereupon return to the "normal state of use" as indicated in A.

Caution: If the grip ring is pushed in with undue force, the gear may be chipped or otherwise broken. If it does not set properly, please try again.

- Caution 1. Pull a small load up and down a few times to see that the brake will not slip.
 Caution 2. If the rotational play of the grip ring is too large, adjust the brake according to Inspection and Maintenance "6" on the next page.
 Caution 3. Select a lever having the proper rating according to the pulling force of the handle.

Capacity (tons)	3/4	1	1 1/2	3	6
Pull on lever to lift full load (kg)	15	20	18	38	39

SAFETY INSTRUCTIONS

- The equipment should only be operated and maintained by a competent person
- Do not exceed the rated capacity of the lever hoist
- Do not use the load chain as a sling
- Do not extend the operating lever
- Do not use undue effort to operate the lever hoist
- Do not leave suspended loads unattended
- Do not use for lifting people
- Ensure suspension and anchorage points are adequate for the full load being lifted.
- Keep anybody out of the place under the loading.

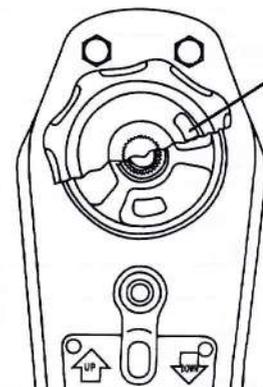
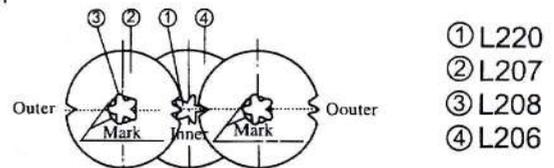
Inspection and Maintenance

If deformations (elongation, mar, wear, crack, bend, etc) are discovered, replace the affected parts with new ones.

1. In Disassembly 1, check to see if the chain, end and bottom hook have been deformed.
2. In Disassembly 2, see if the handle, grip ring, push ring, brake plate, retaining plate, hub etc. have been deformed, check, also, to see if in an idling operation the retaining plate and pawl rattle too much.
3. In Disassembly, 3, check to see if the gear cover, gear ,side plate 1, top hook, hook, pin, guide, load sheave, pinion shaft or side plate 2 has been deformed.
4. In assembling, wash all parts well with cleaning oil or the like.

The teeth on the centerline of two marks at the L207 gear spline, should be disposed, across the L220 in the inner/outer, arrangement in the case of the 3/4-ton model, in the inner/outer relation in the case of 3-ton model, and in the free position for the 1½-ton model.

5. Do not lubricate the two brake disks and the friction surfaces contacting them.
6. How to adjust the brake; Disconnect the grip ring and with the change lever in central position, pull the chain carrying the hook strongly with a hand in the lowering direction, whereupon the brake is set in tightly engaged position. Then, fit the grip ring in such a manner that its projection (marked □) will be aligned with the mark □ of the change gear.

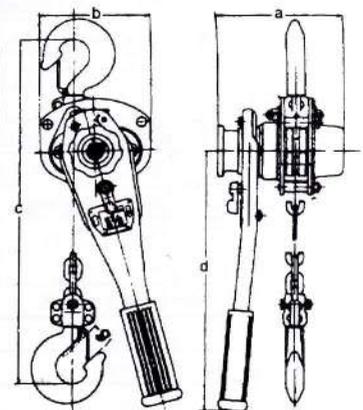


Lower (the □ mark of change gear)

Upper (The □ mark of grip ring)

Specifications

Capacity	(tons)	¾	1	1½	3	6	
Standard lift	(m)	1.5	1.5	1.5	1.5	1.5	
Net weight	(kg)	6.9	7.1	9.7	16.3	26.7	
Minimum distance between hooks	(mm)	295	310	335	405	550	
Pull on lever to lift full load (kg)		15	20	23	38	39	
Type No.		VR-08	VR-10	VR-15	VR-30	VR-60	
Dimensions	a	(mm)	148	148	163	191	191
	b	(mm)	128	128	148	181	244
	c	(mm)	295	310	335	405	550
	d	(mm)	256	256	368	368	368
	g	(mm)	27	30	34	43	47



Hoists with the lift in other lengths are also available.