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OPERATOR'S INSTRUCTIONS

Model LSLH

CHAIN Lever Hoist

Capacity range:
800kg, 1.6, 3.2, 6.3
& 9 tonne

APPLICATIONS:

Your Oz LoadSafe Chain Lever Hoist is designed to safely lift or haul loads both vertically and at various angles. It has inbuilt overload protection designed to prevent damage to the load being shifted, to the hoist itself and most importantly, YOU.

This Chain Lever Hoist meets or exceeds the following standards.

AS1418.2
ANSI B30.21
ANSI B30.16

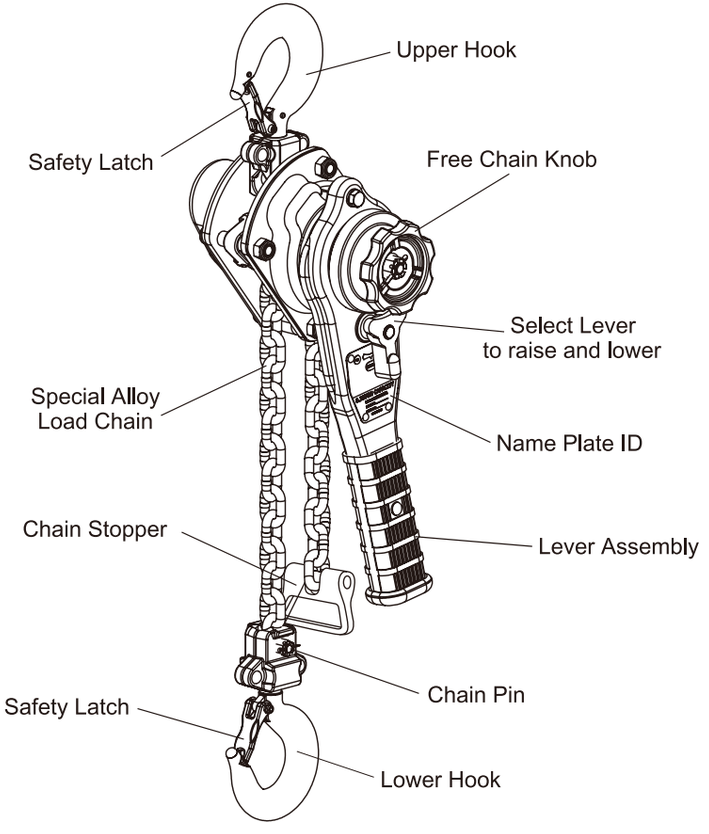
LoadSafe

Designed by and manufactured for:

Ozblok
31 Mangrove Lane
Taren Point
NSW 2229 Australia
Phone: 1300 792 464
Fax: 1300 309 041
www.ozblok.com.au

Features & Main Parts

- Overload protection
- No Pre-load required
- Robust design
- Minimum effort to lift rated capacity
- All bearing construction
- Bonded brake discs
- Cast steel safety latches
- Powder coated paint finish
- Stainless steel name plates
- Weather protected automatic Weston brake
- Super strength alloy steel load chain



Warnings

Failure to read and comply with the following warnings may result in a hazardous situation that could lead to death, serious injury, or property damage. DO NOT operate the hoist with anything other th

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- DO NOT use lever hoist with extension on lever handle.
- DO NOT operate if hook latch is missing or not functioning properly.
- DO NOT lift more than the rated load.
- DO NOT operate the product when it is restricted from forming a straight line with the direction of loading.
- DO NOT operate with twisted, kinked, or damaged chain.
- DO NOT operate if chain is not seated in sheaves or sprockets.
- DO NOT wrap chain around load or use chain as a sling.
- DO NOT operate until load chain is seated correctly in the load sheave.
- DO NOT operate unless load is properly applied to the saddle or bowl of the hook.
- DO NOT operate if load is applied to the tip of the hook or if hook is capsized.
- DO NOT lift people.
- DO NOT lift loads over people.
- DO NOT operate beyond load chain's travel limits.
- DO NOT operate with side pulling or side loading of load to hoist.
- DO NOT operate a damaged or malfunctioning product.
- DO NOT remove, deface, or obscure warning labels.
- DO NOT leave a suspended load unattended, unless specific precautions are instituted.
- DO NOT lengthen chain or repair damaged load chain by welding.
- DO NOT use chain as an electrical or welding ground.
- DO NOT operate until personnel are warned of approaching load and are cleared from the area.

Maintenance

- Inspect hoist, hooks and chain before placing into service.
- Clean the hoist and chain after every use.
- Dismantling and assembly should only be carried out by a qualified person.
- Hoist must be load tested after assembly and also at regular intervals during service life.
- The load chain must not be welded or joined.
- The load chain should be lightly oiled.
- The brake mechanism must be kept dry and free of grease.

SPECIAL NOTE REGARDING OVERLOAD PROTECTION

The overload clutch (Part No.48) is factory calibrated and should not require any further adjustments.
Do not attempt to disassemble this component - should it require re-calibration please return to an authorised repairer for adjustment or replacement.

All Oz LoadSafe products are guaranteed against faulty workmanship or materials for a period of 5 years after the date of purchase.

Please keep your proof of purchase and return the product to your supplier if you wish to make a claim.

Operating Instructions & Specifications

1. Set the select lever to the “N” position.
2. Pull the free chain knob outwards, away from the hoist body and rotate slightly anti-clockwise (this allows the load chain to be pulled thr ough the hoist in both directions - be sure to pull slowly so as to avoid engaging the brake).
3. Engage the lower hook to a lifting / pulling point mounted on the object to be hauled or lifted.
4. Take up the slack in the load chain.
5. Reset the hoist ready for load operation, turn the free chain knob clockwise whilst pulling lightly on the load-side of the chain. The knob will come into contact again with the hoist body and the brake is re-engaged.
6. To raise / haul the load, move the select lever to the “up” position and crank the lever assembly in a reciprocating or rotational manner. (the mechanical brake will ensure the load is sustained, even if the lever assembly is not held).
7. Once the load is located in the desired position, simply move the select lever to the “DOWN” position, crank or rotate the lever assembly and the load will be lowered safely).
8. When the load chain becomes slack, place the select lever into the “N” position, repeat step 2 above and disconnect lower hook from the load.
9. Your hoist can now be cleaned, inspected and stored ready for the next job.

Operating Conditions and Environment

Temperature Range: -40° to +60° C.

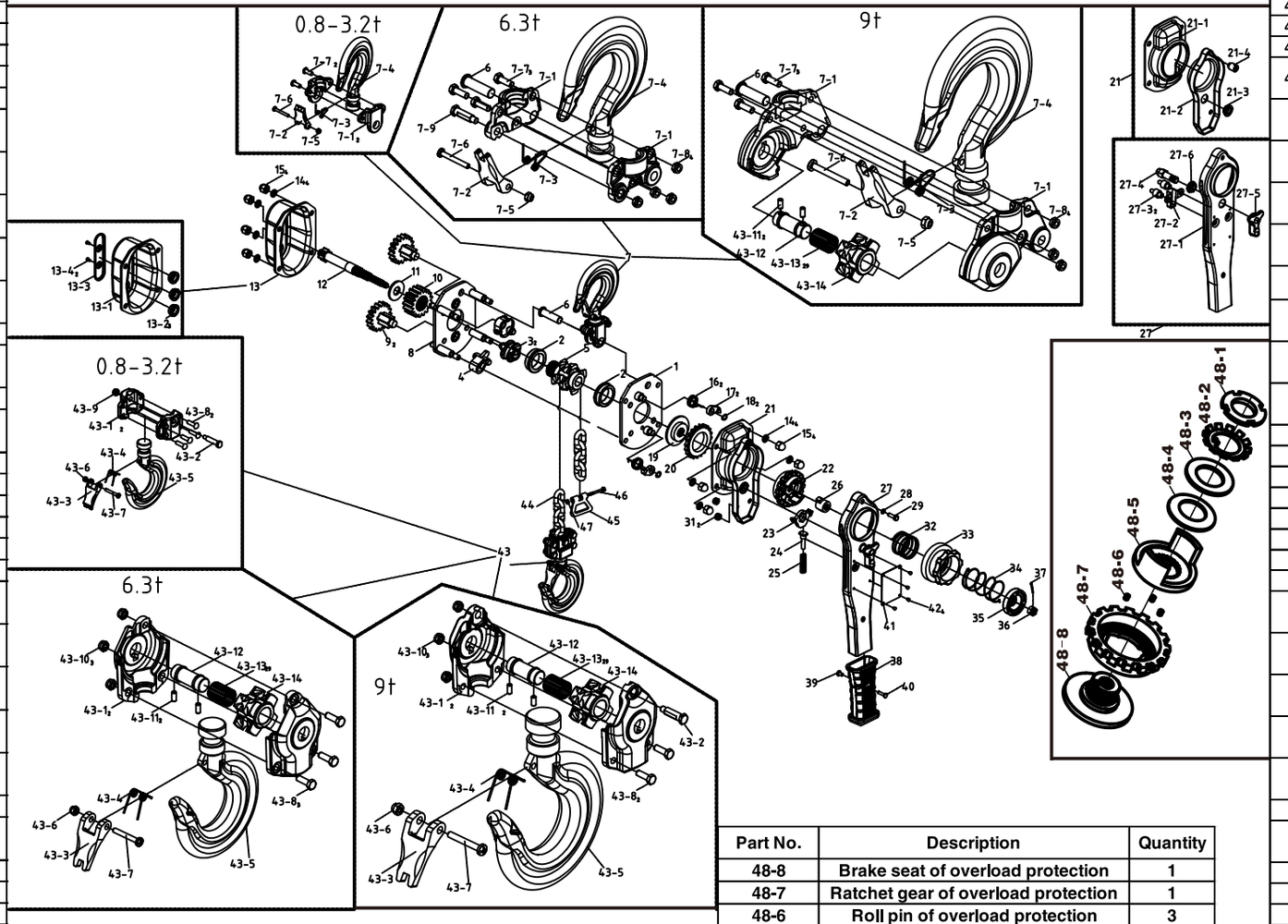
Humidity: 100% or less, this is not an underwater device.

Capacity (tonnes)	Product Model Code	Standard Lift (m)	Pull to Lift Rated Load (N)	Load Chain Diameter x Pitch (mm)	Chain Fall Lines	Test Load (kg)	Net Weight (kg)	Weight for Additional One Metre of Lift (kg)
0.8	LSLH08	1.5	215	5.6 x 15.7	1	1200	5.7	0.7
1.6	LSLH16	1.5	303	7.1 x 19.9	1	2400	8.0	1.1
3.2	LSLH32	1.5	372	10 x 28	1	4800	13.6	2.3
6.3	LSLH63	1.5	382	10 x 28	2	9400	26.0	4.7
9.0	LSLH90	1.5	392	10 x 28	3	13500	40.0	7.0

 Inspect hoist, hooks and chain before placing into se

Spare Parts Diagram & Item Listing - Oz LoadSafe Lever Hoist

Part No.	Description	Quantity
24	Spring shaft	1
23	Change over pawl	1
22	Change over gear	1
21-4	Bolt	1
21-3	Washer of lever handle	1
21-2	Inner cover	1
21-1	Brake cover	1
20	Ratchet disc	2
19	Brake seat	1
18	Snap ring	2
17	Pawl	2
16	Spring of pawl	2
15	Hex nut of cover	8
14	Washer of screw bolt	8
13-4	Pin of cover	2
13-3	Cover	1
13-2	Steel ring	3
13-1	Gear cover	1
12	Pinion shaft	1
11	Snap ring	1
10	Splined gear	1
9-2	Gear 2nd	1
9-1	Gear 1st	2
8-3	Steel ring	2
8-2	Support pin	4
8-1	Right side plate	1
7-9	Suspension pin of top hook's housing	1
7-8	Hex nut of top hook's housing	2
7-7	Screw of top hook's housing	2
7-6	Pin of safety latch of top hook	1
7-5	Hex nut of safety latch of top hook	1
7-4	Top hook	1
7-3	Spring of safety latch of top hook	1
7-2	Safety latch of top hook	1
7-1	Top hook's housing	2
6	Top hook shaft	1
5	Chain sprocket	1
4	Load chain cover	1
3	Guide wheel	2
2	Roller bearing	2
1-2	Pin of pawl	2
1-1	Left side plate	1



Part No.	Description	Quantity
48-8	Brake seat of overload protection	1
48-7	Ratchet gear of overload protection	1
48-6	Roll pin of overload protection	3
48-5	Clamp of overload protection	1
48-4	Spring of overload protection	1
48-3	Flat washer of overload protection	1
48-2	Brake seat ring of overload protection	1
48-1	Locking nut of overload protection	1
Overload clutch		

Part No.	Description	Quantity
48	Overload clutch	1
47	Hex nut of end anchor	1
46	Pin of end anchor	1
45	End anchor	1
44	load chain	1
43-14	Axle	1
43-13	Needle of axle	29
43-12	Shaft of axle	1
43-11	Guide pin	2
43-10	Hex nut of bottom hook's housing	4
43-9	Hex nut of bottom hook's housing	1
43-8	Screw of bottom hook's housing	4
43-7	Pin of safety latch of bottom hook	1
43-6	Hex Nut of safety latch of bottom hook	1
43-5	Bottom hook	1
43-4	Spring of safety latch of bottom hook	1
43-3	Safety latch of bottom hook	1
43-2	Suspension pin of bottom hook's housing	1
43-1	Bottom hook's housing	2
42	Screw drive	4
41	Nameplate	1
40	Screw of hand grip	1
39	Lock nut	1
38	Hand grip	1
37	Slotted nut	1
36	Hex nut of hand wheel	1
35	Hand wheel cover	1
34	Spring outer brake	1
33	Hand wheel	1
32	Spring inner brake	1
31	Hex nut of inner cover	2
30	/	
29	Screw bolt	1
28	Washer of screw bolt	1
27-6	Washer of lever handle	1
27-5	Selector	1
27-4	Pin of selector	1
27-3	Bolt	2
27-2	Spring seat	1
27-1	Lever handle	1
26	Brake cam	1
25	Spring of shaft	1