

SELBY ENGINEERING AND LIFTING SAFETY LTD. TEL: +44 (0) 1977 684 600



**William Hackett**

# WH-L4 LEVER HOIST



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The Hackett WH-L4 lever hoist meets and exceeds the requirements of international standards

**BS EN13157:2004 + A1:2009, ASME B30.21-2014, AS1418.2-1997, SANS 1636:2-2007.**

The design and specification of the William Hackett WH-L4 lever hoist includes:

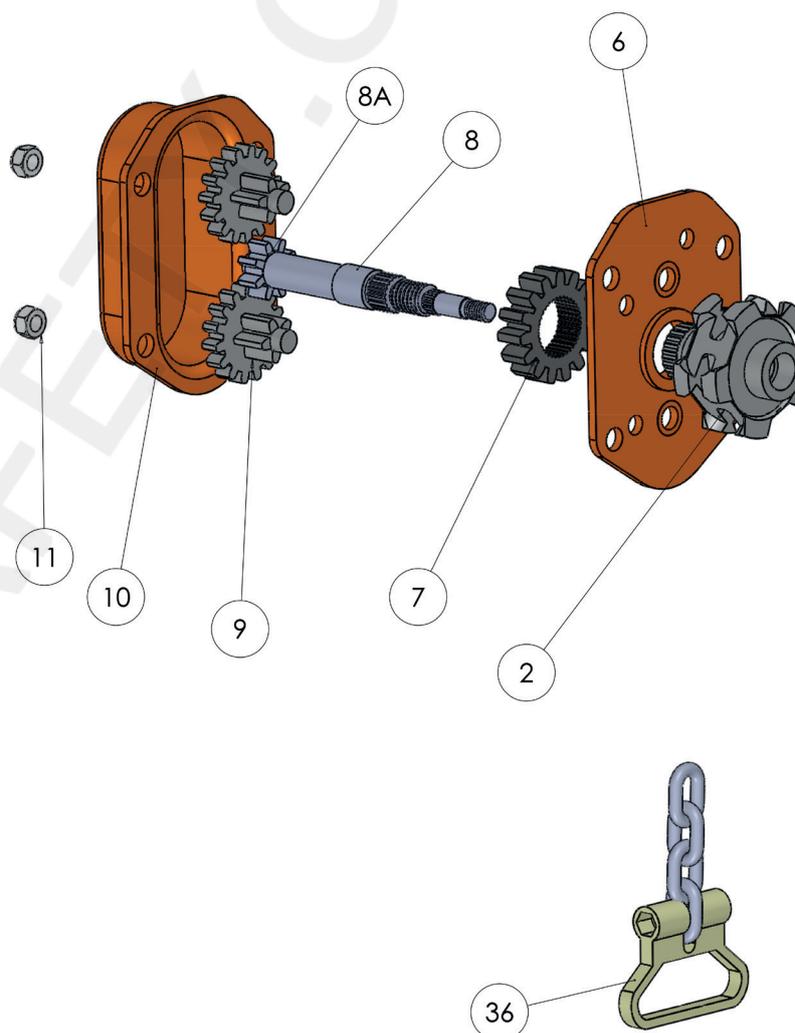
- **RANGE:** 750kg to 9 tonnes.
- **LIGHT LOAD CAPABILITY:** the WH-L4 is tested and certified at 2% of the lever hoist rated capacity.
- **SAFETY LATCHES:** WH-L4 lever hoist top and bottom hooks are fitted with heavy duty cast steel latches creating a strong and robust hook closure.
- **OVERLOAD INDICATOR MARKS:** WH-L4 lever hoist top and bottom hooks have, as part of the hook forging, an overload indicator mark either side of the hook throat. By measuring the distance between the indicator marks, the hook can be quickly and easily checked to see if any stretch has occurred due to misuse or overloading.
- **HOOK HOUSING:** WH-L4 lever hoist top and bottom hook housing are secured with socket head cap screws/hex head bolts and nyloc insert locking nuts.
- **FLEETING/CROSS HAULING:** WH-L4 lever hoists are tested and certified for fleeting or cross hauling applications up to 45° from the vertical without deration.
- **LOAD CHAIN:** WH-L4 lever hoists are fitted with load chain that fully complies with international standards BS EN818-7 Grade T (8) and JIS B8812 Grade V (10).
- **TRAVELLING END STOP:** available as an option upon request. The travelling end stop can be fitted as a replacement to the standard end stop. The travelling end stop allows the user, when a WH-L4 lever hoist is in position, to move the end stop along the slack chain and position adjacent to the body of the lever hoist. This has the benefits of shortening the slack chain, and stopping any potential 'run' of load chain through the hoist when the operator comes to use it again.

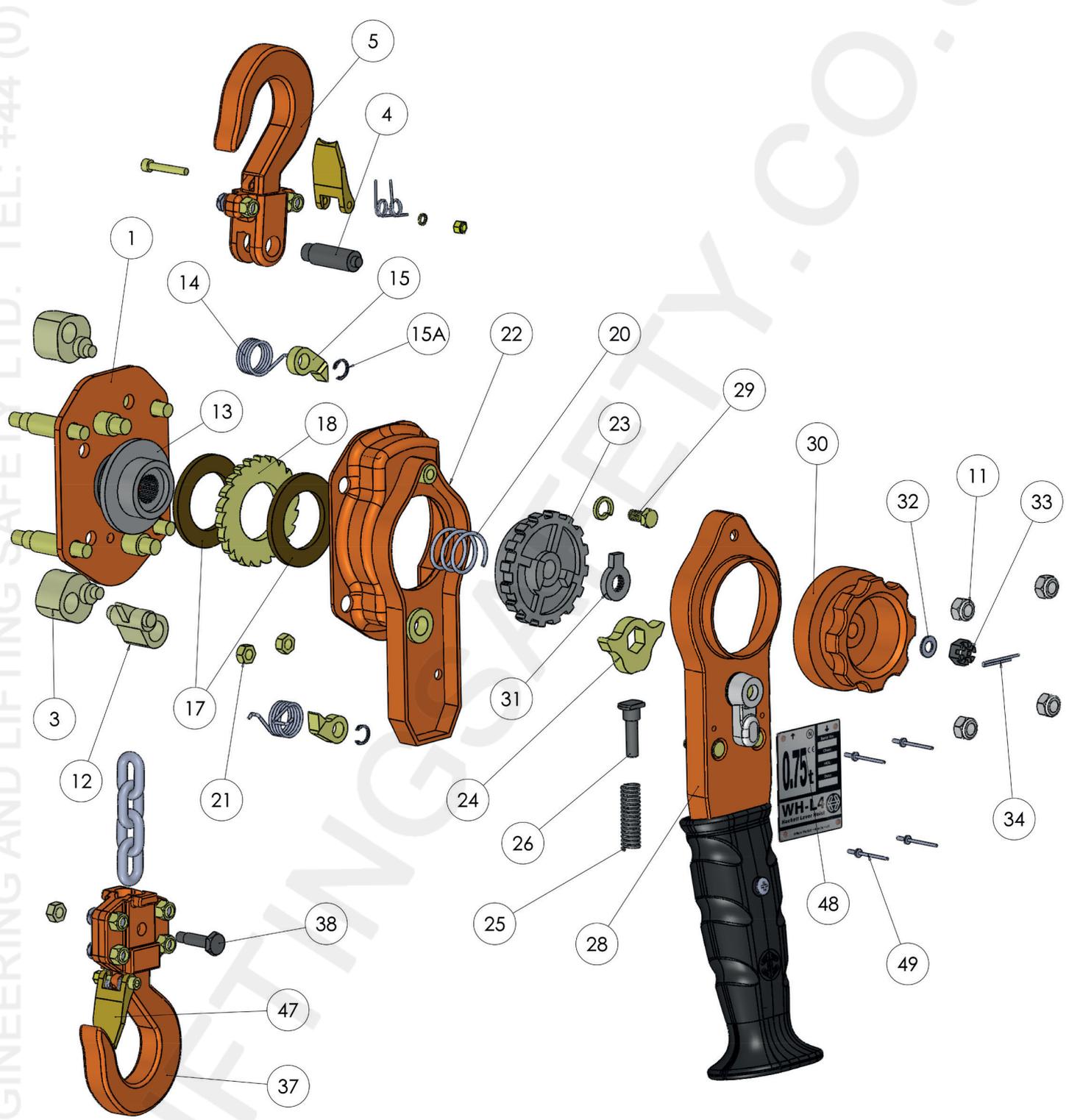


# WH-L4 Lever Hoist

## Exploded Diagram and Parts List

Part Code	Part Name
L4.01	Left Side Plate Assembly
L4.02	Load Sheave
L4.03	Chain Guide
L4.04	Top Hook Shaft
L4.05	Top Hook Assembly
L4.06	Right Side Plate Assembly
L4.07	Load Gear
L4.08	Pinion Shaft
L4.08a	Pinion Shaft Washer
L4.09	Pinion Gear
L4.10	Gear Cover
L4.11	Nut
L4.12	Chain Stripper
L4.13	Disc Hub
L4.14	Pawl Spring
L4.15	Pawl
L4.15a	Circlip
L4.16	Bush
L4.17	Friction Disc (pair)
L4.18	Ratchet Gear
L4.20	Spring
L4.21	Lock Nut
L4.22	Handle Cover Assembly
L4.23	Change Gear
L4.24	Change Over Pawl
L4.25	Change Over Spring
L4.26	Change Over Stand
L4.27	Handle Sleeve
L4.28	Lever Handle Assembly
L4.29	Screw
L4.29a	Washer
L4.30	Grip Ring
L4.31	Stop Cam
L4.32	Washer
L4.33	Castle Nut
L4.34	Split Pin
L4.36	Square Type End Stop
L4.37	Bottom Hook Assembly
L4.38	Chain Fixing Pin
L4.47	Latch Kit
L4.48	Label
L4.49	Label Rivets

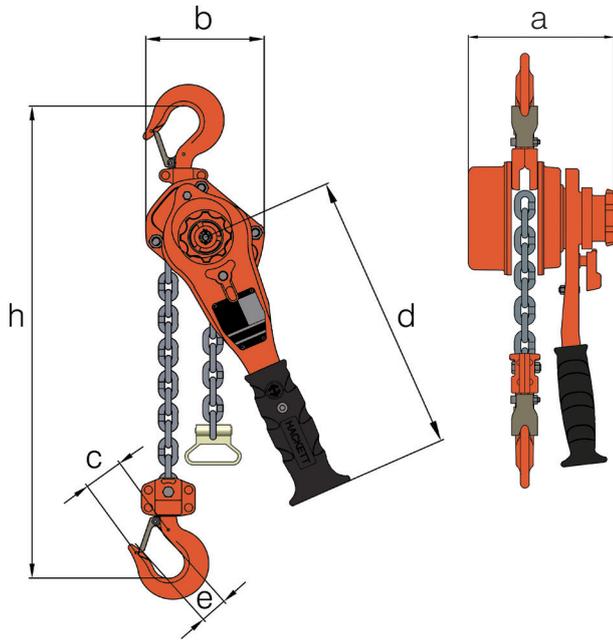




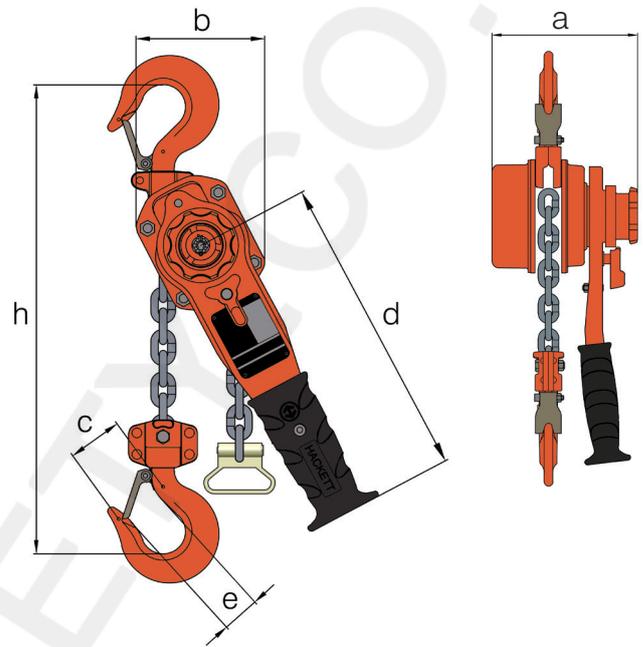
# WH-L4 Lever Hoist

## Specifications and Dimensions

### 0.75 tonnes capacity



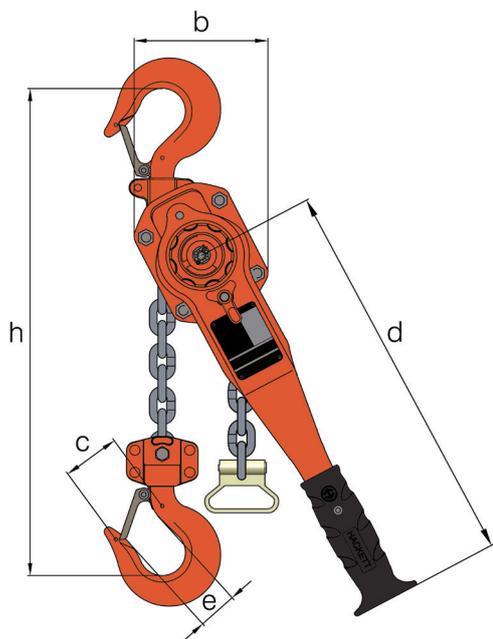
### 1.5 tonnes capacity



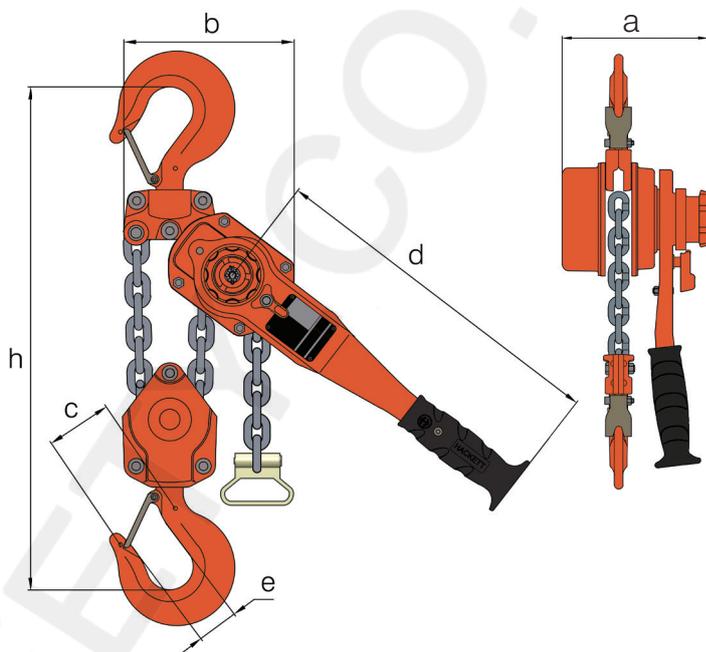
Part Code	Capacity (tonnes)	No. of Falls	Load Chain mm	Standard Lift (m)	a mm	b mm	c mm	d mm	e mm	h mm	Mass kg	Extra Weight per M kg
033.075	0.75	1	5.6 x 17	1.5	148	121	40	265	28	280	6.2	0.7
033.150	1.5	1	7.1 x 21	1.5	165.5	141	47	415	33	350	9.6	1.1
033.300	3.0	1	10 x 30	1.5	194.5	178	62.5	415	42.5	420	15.5	1.7
033.600	6.0	2	10 x 30	1.5	194.5	228	77	415	51	570	27	3.5
033.900	9.0	3	10 x 30	1.5	194.5	310	-	415	56	680	38.3	5.2

## Specifications and Dimensions

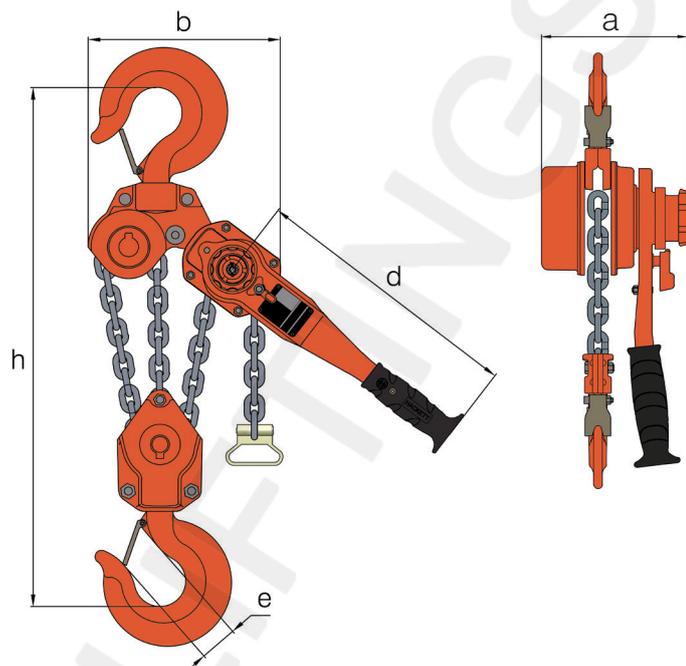
### 3 tonnes capacity



### 6 tonnes capacity

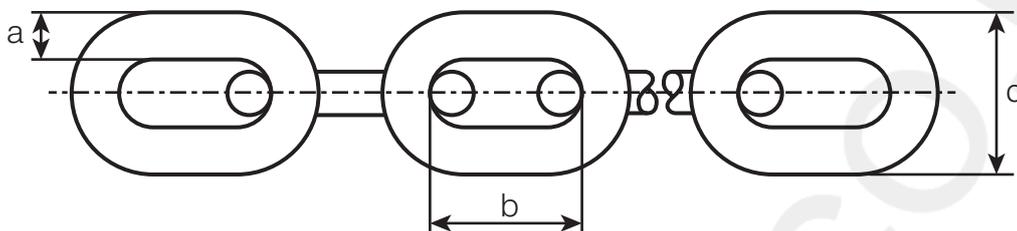


### 9 tonnes capacity



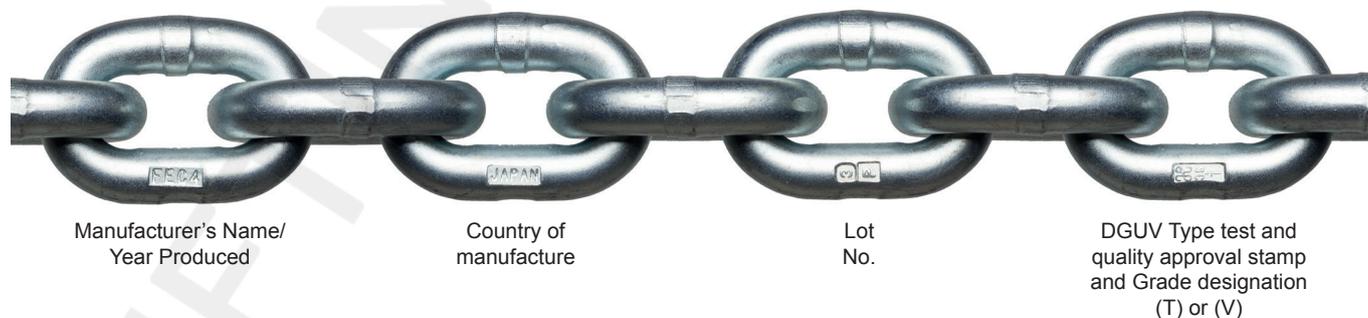
# FEC Calibrated Load Chain

FEC Grade T (8) according to BS EN818-7:2002 FTE series  
 FEC Grade V (10) according to JIS B8802 FV series



Relevant to Lever Hoist Capacity	Part Code	a (mm)	b (mm)	c (mm)	No. of chain falls
750kg	AT2.056.5	5.6	17	20	1
1.5t	AT2.071.5	7.1	21	25	1
3t	AT2.100.5	10	30	35	1
6t	AT2.100.5	10	30	35	2
9t	AT2.100.5	10	30	35	3

## Marking of Chain



This identification mark, together with the test stamp, shall be affixed at intervals not exceeding 1m.