



## Overhead Line and Rail Industry Lever Hoist

William Hackett's SS-L5 lever hoist complies with British Standard BS EN13157:2004 +A1:2009 and Network Rail Certificate of Acceptance PA05/06687. The lever hoist capacity ranges from 800kg to 10 tonnes and the designation RL5 1.5t capacity serves a dual role. As well as being approved for overhead line work by Network Rail, the lever hoist is also designed to be used with the "Ironman" rail handling system. For the "Ironman" usage the unit is rated to 1.5 tonne and painted yellow as specified by RIS-1701-PLT.

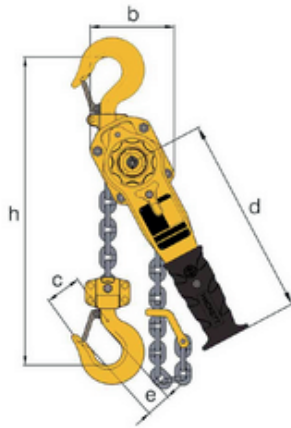
The design and specification of the William Hackett overhead line and rail industry lever hoists include:

- **THE RL5 "IRONMAN"**: can be fitted with either a clevis shackle or omega link eradicating the need for the current connecting link between the clamp and the hoist. The whole system will be certified as one single piece of equipment reducing time and cost when it comes to the inspection and re-certification of the lever hoist, producing a more efficient and effective piece of equipment to use in the field.
- **TRAVELLING CHAIN 'END STOP'**: the adjustable travelling end stop which can be positioned next to the body of the lever hoist to prevent slippage and run off.
- **DABS (DUAL ANTI-LOCK BRAKE SYSTEM)**: prevents the accidental engagement of freewheel.
- **SLIP PREVENTION CONTOURED RUBBER "T" SHAPED GRIP**: specially designed to improve grip with gloves, especially in the wet.
- **SECURE HOOK CLOSURE**: the heavy duty cast latch interlocks with the nib of the hook to form a secure closure and prevents side load disengagement.
- **PERFORMANCE RATIO**: the Working Load Limit of 1.5t for the "Ironman" at a weight of 8.5kg – gives a performance ratio of 176 : 1
- **TWIN PAWLS, DOUBLE SAFETY SYSTEM**: two pawls of different lengths are fitted to provide one redundant pawl and one engaged at all times. Fully secured with stainless nut and bolts
- **SINTERED AND GROOVED FRICTION BRAKE PADS**: sintered brake material complete with grooves and zinc flake coating mean that the brake surface is kept clear of dirt or water and retain functionality in wet environments.
- **COMPLIANT LOAD CHAIN**: calibrated chain is in accordance with EN818-7.
- **LIGHT LOAD CAPABILITY**: tested and certified at 2% of the rated capacity but in operational mode has a 0% light load capacity.
- **CORROSION PROTECTION**: high performance waterproof marine grease is used throughout the hoist to give long term protection in the harshest environments. Zinc flake corrosion protection along with stainless steel throughout the hoist means extended longevity of critical components.
- **AVAILABILITY** of all spares and service kits allow customers to take the hoist back to almost factory finish.
- **THE RL5 "IRONMAN"** lever hoist can be used within an operating temperature range of -40°C to +55°C.

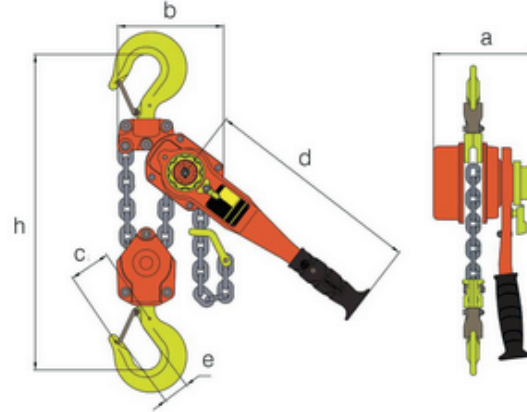




## Single Fall



## Multi Fall



## Specifications

| Part Code     | WLL (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) |
|---------------|--------------|--------------|-----------------|-------------------|------|------|------|------|------|------|-----------|-------------------------|
| 034.SS.080    | 0.80         | 1            | 5.6 x 15.7      | 1.5               | 146  | 119  | 42.0 | 245  | 27.0 | 280  | 6.90      | 0.70                    |
| 034.SS.015.IM | 1.50         | 1            | 7.1 x 19.9      | 1.5               | 164  | 126  | 54.2 | 265  | 36.0 | 335  | 8.50      | 1.10                    |
| 034.SS.160    | 1.60         | 1            | 7.1 x 19.9      | 1.5               | 164  | 126  | 54.5 | 265  | 36.0 | 335  | 9.00      | 1.10                    |
| 034.SS.320    | 3.20         | 1            | 10 x 28         | 1.5               | 196  | 159  | 60.5 | 415  | 42.0 | 335  | 17.00     | 2.20                    |
| 034.SS.630    | 6.30         | 2            | 10 x 28         | 1.5               | 196  | 218  | 85.5 | 415  | 52.5 | 540  | 33.00     | 4.40                    |
| 034.SS.1000   | 10.00        | 3            | 10 x 28         | 1.5               | 196  | 298  | -    | 415  | 59.0 | 680  | 50.00     | 6.60                    |