



## Lever Hoist POWERTEX PLH-S2 With Overload Protection

### Product information

The Powertex PLH-S2 OLP Chain Hoist is a high-quality lever hoist designed to provide durability, safety, and ease of operation. With its ergonomic ratchet lever, safety-added features, and built-in overload protection, this chain hoist ensures smooth and efficient lifting for various industrial applications. This OLP version has an integrated Overload Protection, which ensures safe lifting and prevents unintended overloading of the hoist.

#### Product benefits:

- **Overload protection device:** the OLP hoists are factory-equipped with an Overload Protection device, which limits the maximum operating force that can be applied using the hand chain, ensuring safe and controlled lifting operations.
- **Enhanced safety:** each hoist undergoes dynamic proof load testing at 1.5 times the Working Load Limit (WLL) before leaving the factory, ensuring maximum safety and reliability. The hoist is equipped with a well-covered automatic load reaction brake and features double safety with two brake pawls and four brake springs, exceeding EN 13157 requirements. The load chain is calibrated, proof load tested and meets the requirements of EN 818-7.
- **Smooth and efficient operation:** the compact and lightweight construction, combined with a sprocket wheel equipped with needle bearings and a drive shaft supported by needle and slide bearings, ensures smooth and efficient operation. The fine-calibrated load chain offers quiet and seamless performance.
- **Quality load chain:** the load chain complies with the EN818-7 T(8) standard and features a Chrome 6-free electro-galvanized surface finish to protect it from corrosion.
- **Easy positioning and safe hooks:** swivel hooks at both ends make in-line positioning easy. The hooks are designed to open at overload instead of breaking, enhancing safety. Heavy-duty steel safety latches and deformation check dots forged into the side of the hooks allow for easy overload detection.
- **Convenient maintenance and documentation:** each hoist is RFID-equipped for easy service and inspection, and a QR code provides on-site access to multilingual user manuals. A test certificate and Declaration of Conformity are enclosed with each hoist, ensuring compliance and traceability.
- **Available spare parts:** spare parts such as hooks, brake discs, safety latches, and chains are readily available, ensuring that maintenance and repairs can be carried out efficiently and further extending the hoist's service life.

**Material:** Durable all steel construction

**Marking:** According to standard, CE-marked, UKCA-marked, POWERTEX, Model, WLL, Chain, Serial number, User manual/QR code

**Temperature range:** -10°C up to +50°C  
**Finish:** Powder coated finish and plated frame components  
**Standard:** EN 13157, EN 818-7  
  
**Safety factor:** 4:1

| Part code       | WLL ton | Lifting height m | Number of falls | Model                 | Load chain mm | Hand force max. kg | A,  | B,  | C,  | D,  | E, | F, | H min mm | Weight kg |
|-----------------|---------|------------------|-----------------|-----------------------|---------------|--------------------|-----|-----|-----|-----|----|----|----------|-----------|
| 500500050150891 | 0.5     | 1.5              | 1               | PLH-S2OLP/500KG PHCA  | 5,0 x 15,0    | 24.8               | 150 | 90  | 118 | 253 | 22 | 32 | 310      | 5.2       |
| 500500050300891 | 0.5     | 3                | 1               | PLH-S2OLP/500KG PHCA  | 5,0 x 15,0    | 24.8               | 150 | 90  | 118 | 253 | 22 | 32 | 310      | 6         |
| 500500080150891 | 0.8     | 1.5              | 1               | PLH-S2OLP/800KG PHCA  | 5,6 x 17,0    | 26.5               | 158 | 98  | 132 | 273 | 26 | 36 | 340      | 6.6       |
| 500500080300891 | 0.8     | 3                | 1               | PLH-S2OLP/800KG PHCA  | 5,6 x 17,0    | 26.5               | 158 | 98  | 132 | 273 | 26 | 36 | 340      | 7.6       |
| 500500080600891 | 0.8     | 6                | 1               | PLH-S2OLP/800KG PHCA  | 5,6 x 17,0    | 26.5               | 158 | 98  | 132 | 273 | 26 | 36 | 340      | 9.53      |
| 500500160150891 | 1.6     | 1.5              | 1               | PLH-S2OLP/1600KG PHCA | 7,1 x 21,0    | 29.5               | 185 | 111 | 145 | 378 | 29 | 43 | 400      | 11        |
| 500500160200891 | 1.6     | 2                | 1               | PLH-S2OLP/1600KG PHCA | 7,1 x 21,0    | 29.5               | 185 | 111 | 145 | 378 | 29 | 43 | 400      | 11.55     |
| 500500160300891 | 1.6     | 3                | 1               | PLH-S2OLP/1600KG PHCA | 7,1 x 21,0    | 29.5               | 185 | 111 | 145 | 378 | 29 | 43 | 400      | 12.6      |
| 500500160600891 | 1.6     | 6                | 1               | PLH-S2OLP/1600KG PHCA | 7,1 x 21,0    | 29.5               | 185 | 111 | 145 | 378 | 29 | 43 | 400      | 15.75     |
| 500500320200891 | 3.2     | 2                | 1               | PLH-S2OLP/3200KG PHCA | 10,0 x 28,0   | 33.5               | 212 | 124 | 198 | 418 | 37 | 50 | 520      | 18.3      |
| 500500320150891 | 3.2     | 1.5              | 1               | PLH-S2OLP/3200KG PHCA | 10,0 x 28,0   | 33.5               | 212 | 124 | 198 | 418 | 37 | 50 | 520      | 19.9      |
| 500500320300891 | 3.2     | 3                | 1               | PLH-S2OLP/3200KG PHCA | 10,0 x 28,0   | 33.5               | 212 | 124 | 198 | 418 | 37 | 50 | 520      | 20.5      |
| 500500320600891 | 3.2     | 6                | 1               | PLH-S2OLP/3200KG PHCA | 10,0 x 28,0   | 33.5               | 212 | 124 | 198 | 418 | 37 | 50 | 520      | 27.1      |
| 500500630150891 | 6.3     | 1.5              | 2               | PLH-S2OLP/6300KG PHCA | 10,0 x 28,0   | 37                 | 212 | 124 | 230 | 418 | 43 | 53 | 640      | 24.6      |
| 500500630300891 | 6.3     | 3                | 2               | PLH-S2OLP/6300KG PHCA | 10,0 x 28,0   | 37                 | 212 | 124 | 230 | 418 | 43 | 53 | 640      | 31.2      |
| 500500900150891 | 9       | 1.5              | 3               | PLH-S2OLP/9000KG PHCA | 10,0 x 28,0   | 42                 | 212 | 124 | 338 | 418 | 44 | 67 | 730      | 50        |
| 500500900300891 | 9       | 3                | 3               | PLH-S2OLP/9000KG PHCA | 10,0 x 28,0   | 42                 | 212 | 124 | 338 | 418 | 44 | 67 | 730      | 60        |

# Blueprint

0,25 t - 3,2 t



6,3 t



9,0 t

