



Lifting Point Weldable POWERTEX LPW

Product information

The POWERTEX Lifting Point Weldable - LPW is an indispensable tool primarily utilized for establishing secure lifting points on heavy machinery and equipment such as excavators, earth-moving machines, lifting beams, and various tools. Designed to be permanently attached through welding, the LPW offers a fixed lifting point that allows for a 180-degree pivot, enhancing its versatility in operation. It features a forged housing with an integrated forged D-ring and a spring mechanism that keeps the D-ring snugly against the surface, significantly reducing noise and movement, particularly in high-vibration environments.

Allowed Loading directions:

- +/- 90° in the pivot plane over the housing
- Same WLL in all directions
- WLL According to WLL Diagram

Product Features:

- **Durable finish:** Coated in PURE RED powder paint, the Powertex LPW lifting points are visually distinct and offer superior resistance to wear and corrosion.
- **Welding preparedness:** The housing is specifically blasted to create an optimal surface for welding, ensuring a robust and reliable bond when welded by a certified professional.
- **Compliance to standard:** Manufactured to meet the testing requirements specified by EN 1677-1, ensuring high safety and quality standards.
- **Reliable:** Designed with a safety factor of at least 4 in the intended load directions, offering a secure lifting experience.
- **Quality assurance:** Each component undergoes crack detection testing in the factory and forged links are proof load tested to ensure reliability.
- **Type testing:** Each model undergoes type testing, including breaking tests and fatigue tests to 20,000 cycles at 1.5 times the WLL in the factory, highlighting the product's endurance.
- **Full traceability:** Every component is marked with POWERTEX branding, model name, WLL, CE-mark, UKCA-mark, and a traceability code, ensuring traceability to the production lot and raw materials.
- **Uniform WLL:** The LPW maintains the same WLL in all intended directions, simplifying load planning and increasing versatility.
- **Harmless:** Chromium 6 free, aligning with environmental safety standards.
- **Certificates included:** Comes with a POWERTEX 2.2 certificate & Declaration of Conformity with each box, confirming compliance

with EC and UK regulations.

- Wide temperature range: Optimized for use between -40°C to +100°C without WLL reduction, with permissible WLL reductions for higher temperature ranges, ensuring adaptability to various environments.

Features: Weldable, same WLL in all intended load directions (no side-loading)

Material: Forged Alloy Steel

Marking: According to standard, CE-marked, UKCA-marked, POWERTEX, model name, WLL and batch number

Temperature range: -40 up to +100°C without reduction in WLL

Finish: Powder painted in PURE RED

Standard: EN 1677-1









Note: The LPW is WLL (Working Load Limit) rated, assuming that the correct welding procedure is meticulously followed and executed by a suitably qualified welder, to maintain the product's integrity and compliance with safety regulations.

| WLL ton | Model | A mm | B mm | C mm | D mm | E mm | F mm | G mm | Weight kg |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
| 1 | LPW-1T | 41 | 80 | 35 | 13 | 38 | 33 | 37 | 0.47 |
| 2 | LPW-2T | 42 | 90 | 41 | 14 | 40 | 36 | 38 | 0.5 |
| 3 | LPW-3T | 46 | 96 | 42 | 17 | 43 | 37 | 44 | 0.7 |
| 5 | LPW-5T | 55 | 121 | 48 | 22 | 61 | 50 | 50 | 1.5 |
| 8 | LPW-8T | 70 | 144 | 62 | 26 | 70 | 54 | 66 | 2.5 |
| 10 | LPW-10T | 85 | 168 | 78 | 28 | 76 | 62 | 78 | 3.6 |
| 15 | LPW-15T | 97 | 187 | 86 | 36 | 90 | 72 | 90 | 5.8 |

Technical data

Load diagram LPW

Working temperature -40° up to +100°C without reduction of WLL.

| Loading |  |  |  |  |  |  |  |  | |
|-------------|---|---|---|---|---|---|---|---|------------|
| Load angle | 0 | 90 | 0 | 90 | 0-45 | 45-60 | 0-45 | 45-60 | Asymmetric |
| Load factor | 1 | 1 | 2 | 2 | 1.4 | 1 | 2.1 | 1.5 | 1 |
| Model | Working Load Limit WLL (t) | | | | | | | | |
| LPW-1T | 1 | 1 | 2 | 2 | 1,4 | 1 | 2,1 | 1,5 | 1 |
| LPW-2T | 2 | 2 | 4 | 4 | 2,8 | 2 | 4,2 | 3 | 2 |
| LPW-3T | 3 | 3 | 6 | 6 | 4,2 | 3 | 6,3 | 4,5 | 3 |
| LPW-5T | 5 | 5 | 10 | 10 | 7 | 5 | 10,5 | 7,5 | 5 |
| LPW-8T | 8 | 8 | 16 | 16 | 11,2 | 8 | 16,8 | 12 | 8 |
| LPW-10T | 10 | 10 | 20 | 20 | 14 | 10 | 21 | 15 | 10 |
| LPW-15T | 15 | 15 | 30 | 30 | 21 | 15 | 31,5 | 22,5 | 15 |

Blueprint

