

## 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:

- o +/- 90° in the pivot plane over the housing
- o Same WLL in all directions
- o 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.

| Part Code  | WLL ton | Model   | A mm | B mm | C mm | D mm | E mm | F mm | G mm | Weight kg | Delivery time |
|------------|---------|---------|------|------|------|------|------|------|------|-----------|---------------|
| 4215LPW1T  | 1       | LPW-1T  | 41   | 80   | 35   | 13   | 38   | 33   | 37   | 0.47      | 3             |
| 4215LPW2T  | 2       | LPW-2T  | 42   | 90   | 41   | 14   | 40   | 36   | 38   | 0.5       | 3             |
| 4215LPW3T  | 3       | LPW-3T  | 46   | 96   | 42   | 17   | 43   | 37   | 44   | 0.7       | 3             |
| 4215LPW5T  | 5       | LPW-5T  | 55   | 121  | 48   | 22   | 61   | 50   | 50   | 1.5       | 30            |
| 4215LPW8T  | 8       | LPW-8T  | 70   | 144  | 62   | 26   | 70   | 54   | 66   | 2.5       | 30            |
| 4215LPW10T | 10      | LPW-10T | 85   | 168  | 78   | 28   | 76   | 62   | 78   | 3.6       | 30            |
| 4215LPW15T | 15      | LPW-15T | 97   | 187  | 86   | 36   | 90   | 72   | 90   | 5.8       | 30            |

## 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

