



Lifting Point POWERTEX LPD

Product information

Introducing the POWERTEX Lifting point with a decentred link – LPD The LPD is a robust solution for industrial environments that demand precision and durability in material handling. This lifting point is engineered to rotate 360 degrees and pivot up to 150 degrees, offering a versatile range of motion. The unique design features a forged housing with two pressed-in washers and a bolt equipped with a locking ring for secure interlocking. A spacious forged D-shaped link is securely locked within the housing opening. The bolt head is designed for versatility with an outer hexagonal grip and a hex socket cap grip, ensuring easy installation with various tools. The LPD is the quietest lifting point in the range, having a spring that removes rattling sound, making it suitable for use on vibrating machines and vehicles. The spring also allows the D-ring to be left in a vertical position. Original Powertex bolts are available in longer lengths to suit diverse requirements.

Allowed Loading directions:

- o Same WLL in all directions
- o 360° rotation, 150° pivot motion from vertical
- o The LPD is not designed to rotate under load (choose LPB instead)

Product Features:

- **Durable finish:** Coated in PURE RED powder paint, the LPD lifting points stand out for their durability and corrosion resistance.
- **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 all forged links are proof load tested to ensure reliability.
- **Type testing:** Each model undergoes factory type testing including breaking tests and fatigue test to 20,000 cycles at 1.5 times the WLL, 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 LPD maintains the same WLL in all 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 +200°C without WLL reduction, with permissible WLL reductions for higher temperature ranges, ensuring adaptability to various environments.

Features: 360 degrees rotatable, quiet, spacious link, longer bolts available

Material: Forged alloy steel

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

Temperature range: -40 up to +200°C without reduction in WLL

Finish: Powder painted in PURE RED

Standard: EN 1677-1

Australian Standard: AS 3776

Note: Before use, review the WLL diagram to select the correct LPD for your application









Safety factor: 4:1

| Part Code | WLL ton | Thread | Model | Torque Nm | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | S mm | SW mm | Weight (kg) |
|------------|---------|--------|---------|-----------|------|------|------|------|------|-------|------|------|------|-------|-------------|
| 4215LPDM8 | 0.3 | M8 | LPD-M8 | 30 | 34 | 37 | 42 | 14 | 11 | 98.5 | 57 | 36 | 6 | 13 | 0.5 |
| 4215LPDM10 | 0.63 | M10 | LPD-M10 | 60 | 34 | 37 | 44 | 14 | 16 | 98.5 | 57 | 36 | 6 | 16 | 0.5 |
| 4215LPDM12 | 1 | M12 | LPD-M12 | 100 | 34 | 37 | 45 | 14 | 18 | 98.5 | 57 | 36 | 8 | 18 | 0.5 |
| 4215LPDM16 | 1.5 | M16 | LPD-M16 | 150 | 34 | 37 | 48 | 14 | 24 | 98.5 | 57 | 36 | 10 | 24 | 0.55 |
| 4215LPDM20 | 2.5 | M20 | LPD-M20 | 250 | 50 | 54 | 58 | 16.5 | 30 | 143 | 82 | 44 | 12 | 30 | 1.4 |
| 4215LPDM24 | 4 | M24 | LPD-M24 | 400 | 50 | 54 | 61 | 16.5 | 36 | 143 | 82 | 44 | 14 | 36 | 1.5 |
| 4215LPDM30 | 5 | M30 | LPD-M30 | 500 | 60 | 65 | 82 | 22 | 48 | 170 | 99 | 62 | 17 | 46 | 3 |
| 4215LPDM36 | 8 | M36 | LPD-M36 | 800 | 77 | 85 | 104 | 27 | 62 | 226.5 | 123 | 79 | 22 | 55 | 5.8 |
| 4215LPDM42 | 15 | M42 | LPD-M42 | 1,500 | 95 | 104 | 117 | 36 | 63 | 257.5 | 158 | 90 | 22 | 65 | 11.1 |
| 4215LPDM48 | 20 | M48 | LPD-M48 | 2,000 | 95 | 104 | 120 | 36 | 72 | 257.5 | 158 | 90 | 27 | 75 | 11.6 |

Technical data

Load diagram LPD

Working temperature -40° up to +200°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 | 1.0 | 2.1 | 1.5 | 1 |
| Model | Working Load Limit WLL (t) | | | | | | | | |
| LPD-M8 | 0.3 | 0.3 | 0.6 | 0.6 | 0.42 | 0.3 | 0.63 | 0.45 | 0.3 |
| LPD-M10 | 0.63 | 0.63 | 1.26 | 1.26 | 0.88 | 0.63 | 1.32 | 0.95 | 0.63 |
| LPD-M12 | 1 | 1 | 2 | 2 | 1.4 | 1 | 2.1 | 1.5 | 1 |
| LPD-M16 | 1.5 | 1.5 | 3 | 3 | 2.1 | 1.5 | 3.1 | 2.2 | 1.5 |
| LPD-M20 | 2.5 | 2.5 | 5 | 5 | 3.5 | 2.5 | 5.2 | 3.7 | 2.5 |
| LPD-M24 | 4 | 4 | 8 | 8 | 5.6 | 4 | 8.4 | 6 | 4 |
| LPD-M30 | 5 | 5 | 10 | 10 | 7 | 5 | 10.5 | 7.5 | 5 |
| LPD-M36 | 8 | 8 | 16 | 16 | 11.2 | 8 | 16.8 | 12 | 8 |
| LPD-M42 | 15 | 15 | 30 | 30 | 21 | 15 | 31.5 | 22.5 | 15 |
| LPD-M48 | 20 | 20 | 40 | 40 | 28 | 20 | 42 | 30 | 20 |

Blueprint

