



Lifting Point Powertex LPB

Product information

Elevate your lifting operations with the Powertex Lifting point with ball bearing link - LPB, a state-of-the-art solution tailored for the demanding requirements of industrial environments. The LPB is designed to offer unparalleled flexibility with the ability to rotate 360 degrees and pivot +/- 115 degrees, making it perfect for scenarios requiring a wide range of motion. Crafted with a forged housing with a hexagon-shaped grip, the LPB ensures quick and secure mounting using standard tools. Its distinctive feature is the ability to rotate under full load smoothly, thanks to the integrated ball bearing, providing fluid movement and robust operation.

Allowed Loading directions:

- 360° rotation, +/- 115° pivot motion
- WLL According to WLL Diagram
- The LPB is designed to rotate under load

Product Features:

Durable finish: Coated in PURE RED powder paint, the LPB 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.

WLL indication: The LPB is marked with the lowest WLL at 90° as the general WLL. The WLL chart provides a higher WLL for straight vertical loading.

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 (also under load)

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

Safety factor: 4:1









| Part code | WLL ton | Thread mm | Model | Torque Nm | A mm | B mm | C mm | D mm | E mm | F mm | G mm | T mm | Weight kg | Delivery time |
|------------|---------|-----------|---------|-----------|------|------|------|------|------|------|-------|-------|-----------|---------------|
| 4215LPBM8 | 0.4 | M8 | LPB-M8 | 10-40 | 12 | 44 | 30 | 40 | 37 | 12 | 46 | 98 | 0.44 | 10 |
| 4215LPBM10 | 0.6 | M10 | LPB-M10 | 10-40 | 12 | 44 | 30 | 40 | 37 | 19 | 46 | 98 | 0.45 | 10 |
| 4215LPBM12 | 0.7 | M12 | LPB-M12 | 15-40 | 12 | 44 | 30 | 40 | 37 | 19 | 46 | 98 | 0.45 | 10 |
| 4215LPBM16 | 1.5 | M16 | LPB-M16 | 45-130 | 12 | 44 | 30 | 40 | 37 | 31.8 | 46 | 98 | 0.5 | 10 |
| 4215LPBM20 | 2.5 | M20 | LPB-M20 | 100-170 | 20 | 67 | 40 | 70 | 64.3 | 38.1 | 76 | 160 | 2.3 | 10 |
| 4215LPBM24 | 4 | M24 | LPB-M24 | 190-280 | 20 | 67 | 40 | 70 | 64.3 | 38.1 | 76 | 160 | 2.4 | 10 |
| 4215LPBM30 | 6 | M30 | LPB-M30 | 270-600 | 22 | 95 | 51 | 79 | 74 | 50 | 91 | 206 | 3.8 | 10 |
| 4215LPBM36 | 10 | M36 | LPB-M36 | 270-600 | 22 | 95 | 51 | 79 | 74 | 54 | 91 | 206 | 3.9 | 10 |
| 4215LPBM42 | 13 | M42 | LPB-M42 | 350-800 | 26 | 108 | 65 | 93 | 85 | 63 | 100.5 | 230.5 | 6 | 10 |
| 4215LPBM48 | 14 | M48 | LPB-M48 | 350-800 | 26 | 108 | 65 | 93 | 85 | 68 | 100.5 | 230.5 | 6.2 | 10 |
| 4215LPBM56 | 20 | M56 | LPB-M56 | 350-900 | 32 | 120 | 70 | 105 | 95 | 84 | 132 | 278 | 10.1 | 10 |
| 4215LPBM64 | 20 | M64 | LPB-M64 | 500-1000 | 32 | 120 | 70 | 105 | 95 | 95 | 132 | 278 | 10.9 | 10 |

Lifting table

Load diagram LPB

Working temperature -40° up to +200°C without reduction of WLL.

Note: The product is marked with the lowest WLL from the chart. In straight vertical lifting in the centerline of the bolt the WLL is allowed to be higher than the marked general WLL.

| | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|-------------------|
| Loading |  |  |  |  |  |  |  |  | |
| Load angle | 0 | 90 | 0 | 90 | 0-45 | 45-60 | 0-45 | 45-60 | Asymmetric |
| Load factor | | 1 | | 2 | 1.4 | 1 | 2.1 | 1.5 | 1 |
| Model | Working Load Limit WLL (t) | | | | | | | | |
| LPB-M8 | 0.6 | 0.4 | 1.2 | 0.8 | 0.6 | 0.4 | 0.8 | 0.6 | 0.4 |
| LPB-M10 | 0.9 | 0.6 | 1.8 | 1.2 | 0.8 | 0.6 | 1.3 | 0.9 | 0.6 |
| LPB-M12 | 1.2 | 0.7 | 2.4 | 1.4 | 1.0 | 0.7 | 1.5 | 1.1 | 0.7 |
| LPB-M16 | 2.6 | 1.5 | 5.2 | 3 | 2.1 | 1.5 | 3.2 | 2.3 | 1.5 |
| LPB-M20 | 4 | 2.5 | 8 | 5 | 3.5 | 2.5 | 5.3 | 3.8 | 2.5 |
| LPB-M24 | 7 | 4 | 14 | 8 | 5.6 | 4 | 8.4 | 6 | 4 |
| LPB-M30 | 10 | 6 | 20 | 12 | 8.4 | 6 | 12.6 | 9 | 6 |
| LPB-M36 | 15 | 10 | 30 | 20 | 14 | 10 | 21 | 15 | 10 |
| LPB-M42 | 17 | 13 | 34 | 26 | 18.2 | 13 | 27.3 | 19.5 | 13 |
| LPB-M48 | 18 | 14 | 36 | 28 | 19.6 | 14 | 29.4 | 21 | 14 |
| LPB-M56 | 28 | 20 | 56 | 4 | 28 | 20 | 42 | 30 | 20 |
| LPB-M64 | 28 | 20 | 56 | 40 | 28 | 20 | 42 | 30 | 20 |

Blueprint

