



## Lifting Point POWERTEX LPD - Long Bolt version

### Product information

Introducing the POWERTEX Lifting point with a decentered link and a long bolt – LPD The LPD is a robust solution for industrial environments that demand precision and durability in material handling. The extended bolt version comes with an extra long bolt and nut making it suitable for mounting through holes. 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. 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, with a spring that removes rattling sound, making it suitable for vibrating machines and vehicles. The spring also allows the D-ring to be left in a vertical position. This version has a long bolt standard, but it can be exchanged easily for a standard Powertex bolt as well.

#### 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 and AS 3776, 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, through hole mounting

**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, 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 mm	Model	Torque Nm	E,	A,	B,	C,	D,	F,	G,	N mm	L	S mm	SW mm	Weight kg
4215LPDM8LB	0.3	M8	LPD-M8LB	30	64	34	37	42	14	98.5	57	31	42.5	6	13	0.5
4215LPDM10LB	0.63	M10	LPD-M10LB	60	80	34	37	44	14	98.5	57	31	40.5	6	16	0.5
4215LPDM12LB	1	M12	LPD-M12LB	100	104	34	37	45	14	98.5	57	31	39.5	8	18	0.6
4215LPDM16LB	1.5	M16	LPD-M16LB	150	128	34	37	48	14	98.5	57	31	36.5	10	24	0.7
4215LPDM20LB	2.5	M20	LPD-M20LB	250	160	50	54	58	16.5	143	82	45	68.5	12	30	1.7
4215LPDM24LB	4	M24	LPD-M24LB	400	192	50	54	61	16.5	143	82	45	65.5	14	36	2
4215LPDM30LB	5	M30	LPD-M30LB	500	240	60	65	82	22	170	99	59	66	17	46	4.1
4215LPDM36LB	8	M36	LPD-M36LB	800	288	77	85	104	27	226.5	123	69	95.5	22	55	7.6
4215LPDM42LB	15	M42	LPD-M42LB	1,500	336	95	104	117	36	257.5	158	98	104.5	22	65	14
4215LPDM48LB	20	M48	LPD-M48LB	2,000	384	95	104	120	36	257.5	158	98	101.5	27	75	16

## 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

