



## Lifting Point Ring Bolt POWERTEX LP580

### Product information

The Powertex LP582 eye nut is the most simple and essential product in our range of lifting points. It is designed for permanent attachment to equipment such as motors, control cabinets, and gearboxes. This lifting point ensures reliable performance and safety in your operations but has some limitations as well. As it is a fixed lifting eye we recommend it primarily for straight single point lift. The lifting point shall be screwed tightly to the structure or load. For more advanced and versatile lifting points, please check other products in our range.

#### Allowed Loading Directions:

- Straight (max WLL)
- Sideways (not perpendicular to the eye)
- 180 degrees in the plane of the eye (+/- 90 degrees from centre line)
- Check the WLL Table for proper WLL reductions when loading sideways

#### Product Features:

- **Durable Finish:** Electro Galvanized (Chrome 6 Free)
- **Compliance to standard:** Manufactured to meet the testing requirements specified by DIN582, ensuring high safety and quality standards.
- **Reliable:** Designed with a safety factor 6:1 in the intended load directions, offering a secure lifting experience.
- **Quality assurance:** Samples are load tested in the factory to ensure high reliability.
- **Full Traceability:** Every component is marked with PX branding, WLL, CE-mark, Size, Matertail (C15E) and a traceability code, ensuring traceability to the production lot and raw materials.
- **WLL Indication:** The LP582 is marked with the WLL (straight loading 0°) and an arrow that shows the corresponding load direction. The WLL chart provides a applicable WLL for other loading directions.
- **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:** Allowed for use between -20°C to +200°C without WLL reduction.

**Material:** Carbon Steel C15E

**Marking:** According to standard, CE-marked, UKCA-marked, PX, Material, CE-Mark, WLL, Nominal size, Batch number, Arrow indicating the axial direction

**Temperature range:** -20°C up to +200°C

**Finish:** Electro Galvanized

**Standard:** DIN 580

**Note:** The lifting eyes shall be screwed tight against the surface. Reduce WLL when not loading straight (see table).

**Safety factor:** 6:1

Part Code	Code	WLL ton	MBL ton	Thread mm	Packing Qty.	d1 mm	d2 mm	d3 mm	d4 mm	h mm	k mm	i mm	Weight	Delivery time
421100751282	PRN582-M6	0.075	0.45	M6	50	M6	20	36	20	36	8	13	2.5	30
421100011280	PRN582-M8	0.14	0.84	M8	50	M8	20	36	20	36	8	13	3	30
421100021280	PRN582-M10	0.23	1.38	M10	50	M10	25	45	25	45	10	17	5.5	30
421100031280	PRN582-M12	0.34	2.04	M12	25	M12	30	54	30	53	12	20.5	4.5	30
421100051280	PRN582-M14	0.49	2.94	M14	25	M14	35	63	35	62	14	27	6.75	30
421100071280	PRN582-M16	0.7	4.2	M16	25	M16	35	63	35	62	14	27	7	30
421100091280	PRN582-M18	0.85	5.1	M18	10	M18	40	72	40	71	16	30	4.4	30
421100121280	PRN582-M20	1.2	7.2	M20	10	M20	40	72	40	71	16	30	4.5	30
421100141280	PRN582-M22	1.4	8.4	M22	10	M22	50	90	50	90	20	36	7.3	30
421100181280	PRN582-M24	1.8	10.8	M24	1	M24	50	90	50	90	20	36	0.74	30
421100211280	PRN582-M27	2.1	12.6	M27	1	M27	55	96	50	97	20	45	1.62	30
421100321280	PRN582-M30	3.2	19.2	M30	1	M30	65	108	60	109	24	45	1.66	30
421100321285	PRN582-M33	3.2	19.2	M33	1	M33	75	126	70	128	28	54	2.6	30
421100461280	PRN582-M36	4.6	27.6	M36	1	M36	75	126	70	128	28	54	2.65	30
421100461285	PRN582-M39	4.6	27.6	M39	1	M39	85	144	80	147	32	63	3.78	30
421100631280	PRN582-M42	6.3	37.8	M42	1	M42	85	144	80	147	32	63	4.03	30
421100631285	PRN582-M45	6.3	37.8	M45	1	M45	100	166	90	168	38	68	6.24	30

421100861280	PRN582-M48	8.6	51.6	M48	1	M48	100	166	90	168	38	68	6.38	30
421100861285	PRN582-M52	8.6	51.6	M52	1	M52	110	184	100	187	42	78	8.57	30
421101151280	PRN582-M56	11.5	69	M56	1	M56	110	184	100	187	42	78	8.8	30
421101601280	PRN582-M64	16	96	M64	1	M64	120	206	110	208	48	90	12.4	30
421102001280	PRN582-M72	20	120	M72	1	M72	150	260	140	260	60	100	23.3	30
421102801280	PRN582-M80	28	168	M80	1	M80	170	296	160	298	68	112	34.2	30
421104001280	PRN582-M100	40	240	M100	1	M100	190	330	180	330	75	130	49.1	30

## Blueprint

