Lifting Point Ring Nut POWERTEX LP582

Product information

The Powertex LP582 eye nut is the most simple and essential product in our range of lifting points. It is designed to permanently attach equipment such as motors, control cabinets, and gearboxes. This lifting point ensures reliable performance and safety in your operations but also has some limitations. 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. Please check other products in our range for more advanced and versatile lifting points.

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 of 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, Material (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 an applicable WLL for other loading directions.
- Harmless: Chromium 6 free, aligning with environmental safety standards.
- Certificates included: each box includes a POWERTEX 2.2 certificate and a Declaration of Conformity 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, PX, Material, WLL, Nominal size, Batch number, Arrow indicating the axial direction
Temperature range: -20°C up to +200°C
Finish: Electro galvanized
Standard: DIN 582
Note: The lifting eyes shall be screwed tight against the surface. Reduce WLL when not loading straight (see table).

Safety factor: 6:1

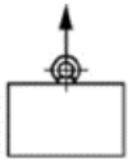
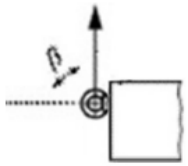
Part code	Code	WLL ton	MBL ton	Thread mm	d1 mm	d2 mm	d3 mm	d4 mm	h mm	k mm	Weight kg	Delivery time
421100751282	LP582-M6	0.075	0.45	M6	M6	20	36	20	36	8	0.05	7
421100011280	LP582-M8	0.14	0.84	M8	M8	20	36	20	36	8	0.05	7
421100021280	LP582-M10	0.23	1.38	M10	M10	25	45	25	45	10	0.09	7
421100031280	LP582-M12	0.34	2.04	M12	M12	30	54	30	53	12	0.16	7
421100051280	LP582-M14	0.49	2.94	M14	M14	35	63	35	62	14	0.24	7
421100071280	LP582-M16	0.7	4.2	M16	M16	35	63	35	62	14	0.25	7
421100121280	LP582-M20	1.2	7.2	M20	M20	40	72	40	71	16	0.36	7
421100181280	LP582-M24	1.8	10.8	M24	M24	50	90	50	90	20	0.72	7
421100321280	LP582-M30	3.2	19.2	M30	M30	65	108	60	109	24	1.4	7
421100461280	LP582-M36	4.6	27.6	M36	M36	75	126	70	128	28	2	7

Technical data

Load diagram LP580 and LP582

Working temperature -20° up to +200°C without reduction of WLL.
Note: The Working Load Limit given is for one lifting point.

WLL chart

Loading				
Load angle	0°	0 - 45°	45-60°	90°-135°
Load factor	1	0,7	0,5	0,5

Size	Working Load Limit WLL (t)			
M6	0.075	0.055	0.038	0.038
M8	0.14	0.10	0.07	0.07
M10	0.23	0.17	0.12	0.12
M12	0.34	0.24	0.17	0.17
M14	0.49	0.35	0.25	0.25
M16	0.70	0.50	0.35	0.35
M18	0.85	0.60	0.43	0.43
M20	1.20	0.86	0.60	0.60
M22	1.40	1.00	0.70	0.70
M24	1.80	1.29	0.90	0.90
M27	2.10	1.50	1.05	1.05
M30	3.20	2.30	1.60	1.60
M33	3.20	2.30	1.60	1.60
M36	4.60	3.30	2.30	2.30
M39	4.60	3.30	2.30	2.30
M42	6.30	4.50	3.15	3.15
M45	6.30	4.50	3.15	3.15
M48	8.60	6.10	4.30	4.30
M52	8.60	6.10	4.30	4.30
M56	11.50	8.20	5.75	5.75
M64	16	11.0	8.00	8.00

Blueprint