Lifting Solutions Group
Axel Johnson International

Lifting Point Powertex LPS

Product information



The Powertex LPS lifting point with swivel eye is a 360° rotating lifting point for industrial lifting applications. Its forged swivel eye allows alignment with the permitted loading direction, while the hex socket bolt supports straightforward installation using standard tools. Compared with conventional DIN 580 lifting points, the LPS provides up to 4.5 times higher WLL.

Best used for

- Lifting applications requiring a swivel eye with 360° positioning.
- Applications requiring higher WLL than conventional DIN 580 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)

Product benefits

- 360° swivel rotation enables alignment with permitted loading directions.
- Up to 4.5 times higher WLL than conventional DIN 580 lifting points.
- Hex socket bolt enables installation using standard tools.
- Quick key supports manual tightening for temporary setups.
- The WLL chart allows a higher WLL for straight vertical loading.
- Tested in accordance with EN 1677-1 and AS 3776 requirements.
- Each lifting point is crack-detection tested, and production samples are proof-load tested. The product design is fatigue-tested to 20,000 cycles at 1.5 times the WLL.
- Full WLL from -40°C to +200°C, with reductions at higher temperatures

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Features: 360 degrees rotable
Material: Forged alloy steel
Marking: According to standard, CE-marked, UKCA-marked, POWERTEX or PX, model name, WLL and batch number
Temperature range: -40°C up to +200°C
Finish: Powder painted in PURE RED
Standard: EN 1677-1
Note: Before use, review the WLL diagram to select the correct LPS for your application

Safety factor: 4:1

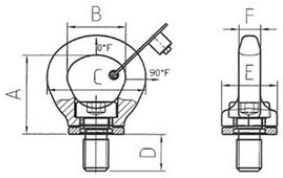
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Blueprint



Technical data

Part Code	WLL ton	Thread	Model	Torque Nm	A mm	B mm	C mm	D mm	E mm	F mm	Weight (kg)
4215LPSM8	0.3	M8	LPS-M8	6-10	38	26	45.3	11.5	25	8	0.11
4215LPSM10	0.4	M10	LPS-M10	6-10	38	26	45.3	14	25	8	0.12
4215LPSM12	0.75	M12	LPS-M12	10-15	43.5	32	54	17	33	10	0.2
4215LPSM16	1.5	M16	LPS-M16	20-30	52	37.5	63.5	24	36	14	0.35
4215LPSM20	2.3	M20	LPS-M20	50-70	63	44.5	78.5	30	47.5	20.6	0.66
4215LPSM24	3.2	M24	LPS-M24	120-150	74	51.6	92	35.3	53	20	1.1
4215LPSM30	4.5	M30	LPS-M30	200-250	92	65	118	45	68	24	2.1
4215LPSM36	7	M36	LPS-M36	280-400	105	76	136	56.8	82	30	4
4215LPSM42	9	M42	LPS-M42	400-500	121.5	88	160	66.5	92	35	5.5
4215LPSM48	12	M48	LPS-M48	400-500	138	100	180	75.5	110	42	8.9

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