Industrial Rigging & Supply | Lifting Solutions Group Axel Johnson International

Powertex Bow Shackle Powertex PBSB G-2130

Product information

The POWERTEX Bow Shackle PBSB is a high-strength lifting shackle designed for demanding industrial environments. Equipped with a hexagon-head safety bolt, nut, and stainless-steel cotter pin, it provides a secure connection for overhead lifting and rigging.

The bow shape allows for multi-directional loading, making it suitable for use with slings, chains, and wire rope assemblies. Manufactured from quenched and tempered alloy steel and hot-dip galvanized, it is built for reliable daily use in construction, manufacturing, offshore, and heavy maintenance operations.

It complies with EN 13889, AS 2741 (generally), ASME B30.26, and meets the performance requirements of the US Fed. Spec. RR-C-271.

Best used for

- When the shackle will remain in place for longer periods
- Vibrations or dynamic loads could cause a screw pin to rotate

Not ideal for:

- Applications requiring frequent assembly and disassembly, where a screw pin shackle may be more practical.

Product benefits

- Safety bolt with nut and stainless steel cotter pin helps prevent accidental loosening
- Bow design accommodates multi-directional loading with slings, chains, and wire rope
- Quenched and tempered Grade 6 alloy steel provides reliable strength for lifting applications
- Hot-dip galvanized finish improves corrosion resistance in outdoor and industrial environments

... *Read more*

Material: Forged alloy steel, supplied with safety bolt and nuts. Stainless steel retaining pins.
Marking: Powertex (PX or PTEX) , WLL, size, grade and batch number.
Temperature range: -40°C up to +200°C
Finish: All parts hot dip galvanized + nut additional powder painted.

Safety factor: 6:1
Grade: 6

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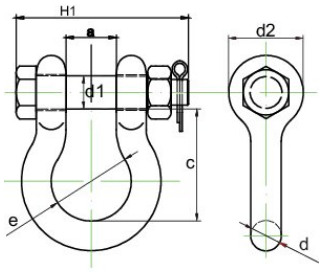
Blueprint



Technical data

Part code	WLL (metric) tonnes	EWL mm	Size inch	a* mm in	c* in	d in	d1 mm in	d2 mm in	e in	H1 mm in	Weight lb
420100053050	0.5	29	1/4	0.51	1.14	0.26	0.31	0.69	0.79	1.67	0.11
420100083050	0.75	31	5/16	0.53	1.22	0.31	0.37	0.83	0.85	1.85	0.22
420100103050	1	37	3/8	0.67	1.46	0.39	0.44	0.98	1.03	2.22	0.33
420100153050	1.5	43	7/16	0.73	1.69	0.44	0.5	1.06	1.16	2.5	0.49
420100203050	2	48	1/2	0.81	1.89	0.5	0.62	1.2	1.31	2.97	0.79
420100333050	3.25	60	5/8	1.06	2.36	0.63	0.74	1.57	1.69	3.62	1.68
420100483050	4.75	72	3/4	1.26	2.83	0.75	0.87	1.89	2.01	4.17	2.65
420100653050	6.5	85	7/8	1.46	3.35	0.87	0.98	2.13	2.28	4.72	3.97
420100853050	8.5	96	1	1.71	3.78	1.04	1.1	2.36	2.7	5.31	5.73
420100953050	9.5	109	1-1/8	1.89	4.29	1.14	1.26	2.68	2.95	5.63	8.38
420101203050	12	121	1-1/4	2.09	4.76	1.26	1.38	2.99	3.31	6.46	11.68
420101353050	13.5	134	1-3/8	2.32	5.28	1.38	1.5	3.31	3.7	7.17	15.87
420101703050	17	149	1-1/2	2.44	5.87	1.5	1.65	3.62	3.9	7.68	20.72
420102503050	25	178	1-3/4	2.95	7.01	1.77	1.97	4.17	5.04	8.82	33.07
420103503050	35	197	2	3.31	7.76	2.05	2.2	4.8	5.83	9.76	52.91
420105503050	55	270	2-1/2	4.21	10.63	2.6	2.76	5.71	7.32	11.89	99.21
420108503050	85	325	3	5.12	12.8	2.99	3.15	6.5	8.07	15.55	154.32

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