

Bow Shackle Powertex PBSB

Product information



POWERTEX

The POWERTEX Bow Shackle PBSB is a high-strength lifting shackle designed for demanding industrial environments. Supplied 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.

Choose the PBSB safety bolt version when:

- The shackle will remain in place for longer periods
- Vibrations or dynamic loads could cause a screw pin to rotate
- Higher safety assurance is required as part of site procedures
- You need clear traceability and batch identification for audits

Product benefits

- **Safety bolt with nut and stainless steel cotter pin**
Provides a mechanically secured connection that reduces the risk of accidental loosening under vibration or dynamic loads.
- **Wide operating temperature range from -40°C up to +200°C**
Suitable for both cold outdoor conditions and warm industrial environments, giving predictable performance across a wide range of applications without changing lifting equipment.
- **Forged alloy steel, quenched and tempered, Grade 6**
Delivers consistent strength and predictable performance in demand ... [Read more](#)

Material: Forged alloy steel, supplied with safety bolt and nuts. Stainless steel retaining pins.

Marking: According to standard, CE-marked, Powertex (PX or PTEX), WLL, size, grade and batch number.

Temperature range: -40°C up to +200°C

Finish: All parts hot dip galvanized + head-bolt and nut additional powder painted.

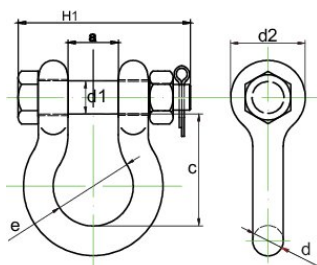
Standard: EN 13889, AS 2741, ASME B30.26

Safety factor: 6:1

Grade: 6

Bow Shackle Powertex PBSB

Blueprint



Technical data

Part code	WLL	EWL mm	Size inch	a* mm in	c* mm in	dmm in	d1 mm in	d2 mm in	e mm in	H1mm in	Weight kg
420100050860	5	29	1/4	0.51	1.14	0.26	0.31	0.69	0.79	1.67	0.05
420100080860	6	31	5/16	0.53	1.22	0.31	0.37	0.83	0.85	1.85	0.1
420100100860	7	37	3/8	0.67	1.46	0.39	0.44	0.98	1.03	2.22	0.15
420100150860	6	43	7/16	0.73	1.69	0.44	0.5	1.06	1.16	2.5	0.22
420100200860	9	48	1/2	0.81	1.89	0.5	0.62	1.2	1.31	2.97	0.36
420100330860	10	60	5/8	1.06	2.36	0.63	0.74	1.57	1.69	3.62	0.76
420100480860	11	72	3/4	1.26	2.83	0.75	0.87	1.89	2.01	4.17	1.2
420100650860	12	85	7/8	1.46	3.35	0.87	0.98	2.13	2.28	4.72	1.8
420100850860	13	96	1	1.71	3.78	1.04	1.1	2.36	2.7	5.31	2.6
420100950860	14	109	1-1/8	1.89	4.29	1.14	1.26	2.68	2.95	5.63	3.8
420101200860	15	121	1-1/4	2.09	4.76	1.26	1.38	2.99	3.31	6.46	5.3
420101350860	16	134	1-3/8	2.32	5.28	1.38	1.5	3.31	3.7	7.17	7.2
420101700860	17	149	1-1/2	2.44	5.87	1.5	1.65	3.62	3.9	7.68	9.4
420102500860	18	178	1-3/4	2.95	7.01	1.77	1.97	4.17	5.04	8.82	15
420103500860	19	197	2	3.31	7.76	2.05	2.2	4.8	5.83	9.76	24
420105500860	20	270	2-1/2	4.21	10.63	2.6	2.76	5.71	7.32	11.89	45
420108500860	21	325	3	5.12	12.8	2.99	3.15	6.5	8.07	15.55	70