LAM-É ST-PIERRE | 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.

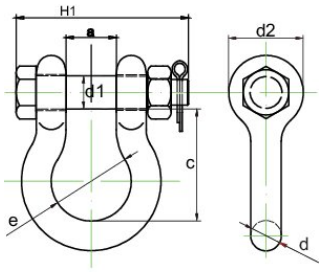
**Safety factor:** 6:1
**Grade:** 6

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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| - | 0.5 | 29 | 1/4 | 0.51 | 1.14 | 0.26 | 0.31 | 0.69 | 0.79 | 1.67 | 0.11 |
| - | 0.75 | 31 | 5/16 | 0.53 | 1.22 | 0.31 | 0.37 | 0.83 | 0.85 | 1.85 | 0.22 |
| - | 1 | 37 | 3/8 | 0.67 | 1.46 | 0.39 | 0.44 | 0.98 | 1.03 | 2.22 | 0.33 |
| - | 1.5 | 43 | 7/16 | 0.73 | 1.69 | 0.44 | 0.5 | 1.06 | 1.16 | 2.5 | 0.49 |
| G21301/2PT-5P | 2 | 48 | 1/2 | 0.81 | 1.89 | 0.5 | 0.62 | 1.2 | 1.31 | 2.97 | 0.79 |
| G21305/8PT-5P | 3.25 | 60 | 5/8 | 1.06 | 2.36 | 0.63 | 0.74 | 1.57 | 1.69 | 3.62 | 1.68 |
| G21303/4PT-5P | 4.75 | 72 | 3/4 | 1.26 | 2.83 | 0.75 | 0.87 | 1.89 | 2.01 | 4.17 | 2.65 |
| - | 6.5 | 85 | 7/8 | 1.46 | 3.35 | 0.87 | 0.98 | 2.13 | 2.28 | 4.72 | 3.97 |
| G21301PT-5P | 8.5 | 96 | 1 | 1.71 | 3.78 | 1.04 | 1.1 | 2.36 | 2.7 | 5.31 | 5.73 |
| G213011/8PT-5P | 9.5 | 109 | 1-1/8 | 1.89 | 4.29 | 1.14 | 1.26 | 2.68 | 2.95 | 5.63 | 8.38 |
| G213011/4PT-5P | 12 | 121 | 1-1/4 | 2.09 | 4.76 | 1.26 | 1.38 | 2.99 | 3.31 | 6.46 | 11.68 |
| G213013/8PT-5P | 13.5 | 134 | 1-3/8 | 2.32 | 5.28 | 1.38 | 1.5 | 3.31 | 3.7 | 7.17 | 15.87 |
| G213011/2PT-5P | 17 | 149 | 1-1/2 | 2.44 | 5.87 | 1.5 | 1.65 | 3.62 | 3.9 | 7.68 | 20.72 |
| G213013/4PT-5P | 25 | 178 | 1-3/4 | 2.95 | 7.01 | 1.77 | 1.97 | 4.17 | 5.04 | 8.82 | 33.07 |
| G21302PT-5P | 35 | 197 | 2 | 3.31 | 7.76 | 2.05 | 2.2 | 4.8 | 5.83 | 9.76 | 52.91 |
| - | 55 | 270 | 2-1/2 | 4.21 | 10.63 | 2.6 | 2.76 | 5.71 | 7.32 | 11.89 | 99.21 |
| - | 85 | 325 | 3 | 5.12 | 12.8 | 2.99 | 3.15 | 6.5 | 8.07 | 15.55 | 154.32 |

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