MENNENS | Lifting Solutions Group
Axel Johnson International

# Bow Shackle POWERTEX PBSP Blackline

**Product information**



POWERTEX

The POWERTEX Blackline Bow Shackle PBSP is a high-strength Grade 6 lifting shackle designed for demanding industrial and entertainment applications where low visual reflection is important. Supplied with an alloy steel screw pin, it allows quick assembly and disassembly for temporary or frequently changed lifting configurations.

The bow shape supports multi-directional loading, making it suitable for use with lifting slings, chains, and wire rope assemblies. Manufactured from quenched and tempered alloy steel with a Blackline painted finish, it is well suited for theatres, stage rigging, event production, and other environments where equipment should remain visually unobtrusive.

It complies with EN 13889, AS 2741 (generally), ASME B30.26, and meets the performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 2 Grade A.

**Best used for**

- Theatre, stage, and entertainment rigging requiring low visual reflection
- Temporary or frequently changed lifting setups with straight or multi-leg connections

**Product benefits**

- Blackline painted finish reduces visual reflections in performance environments
- Screw pin allows quick installation and removal for efficient lifting setups
- 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
- Closed-die forged bow delivers consistent quality and dimensional accuracy
- Batch markings on the body and screw pin simplify inspection and t ... *Read more*

**Material:** Forged alloy steel, supplied with alloy screw pin.
**Marking:** According to standard, POWERTEX (PT or PTEX) , WLL, CE, size, grade and batch number.
**Temperature range:** -40°C up to +200°C
**Finish:** Up to 3/8”, matt black powder painted 1/2” and up, matt black electro galvanized
**Standard:** EN 13889, AS 2741, ASME B30.26

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

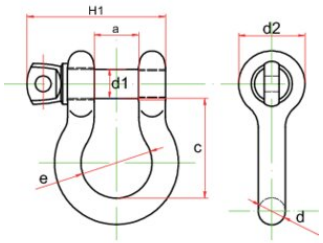
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## Blueprint




## Technical data

| Part code | Code | WLL ton | Size inch | a* mm | c* mm | d mm | d1 mm | d2 mm | e mm | H1 mm | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 420100050840 | 1332 | 0.5 | 1/4 | 13 | 29 | 6.5 | 8 | 17.5 | 20 | 38 | 0.048 |
| 420100080840 | 1333 | 0.75 | 5/16 | 13.5 | 31 | 8 | 9.5 | 21 | 21.5 | 42.5 | 0.082 |
| 420100100840 | 1334 | 1 | 3/8 | 17 | 36.5 | 10 | 11.2 | 25 | 26.2 | 51.5 | 0.15 |
| 420100200840 | 1336 | 2 | 1/2 | 20.6 | 47.75 | 12.7 | 15.8 | 30.5 | 33.3 | 67 | 0.3 |
| 420100330840 | 1337 | 3.25 | 5/8 | 27 | 60 | 16 | 19 | 40 | 43 | 85 | 0.65 |
| 420100480840 | 1338 | 4.75 | 3/4 | 32 | 71.5 | 19 | 22 | 48 | 51 | 98.5 | 1.01 |

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