CERTEX | Lifting Solutions Group
Axel Johnson International

# Dee Shackle Powertex PDSP

**Product information**



POWERTEX

The POWERTEX Dee Shackle PDSP is a high-strength lifting shackle designed for straight-line load applications where quick assembly is important. Equipped with an alloy steel screw pin, it allows fast, easy connection and disconnection in frequently changing lifting setups.

The dee shape is intended for in-line loading, making it suitable for direct attachment to lifting lugs, chains, and wire rope assemblies where controlled alignment is required. Manufactured from quenched and tempered alloy steel and hot-dip galvanized, it is built for reliable use in construction, workshops, manufacturing, and general industrial lifting.

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**

- Temporary or frequently changed straight-line lifting setups
- Applications where quick assembly and disassembly improve efficiency

**Not ideal for**

- Long-term installations or applications exposed to vibration or dynamic loads, where a safety bolt shackle may be more suitable.

**Product benefits:**

- Screw pin allows quick installation and removal for efficient lifting setups
- Dee shape keeps loads aligned for straight-line lifting applications
- 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 screw pin.
**Marking:** According to standard, CE-mark, Powertex (PT or PTEX) , WLL, size, grade and batch number.
**Temperature range:** -40°C up to +200°C
**Finish:** All parts hot dip galvanized. Screw pin additional powder painted.
**Standard:** EN 13889, AS 2741, ASME B30.26

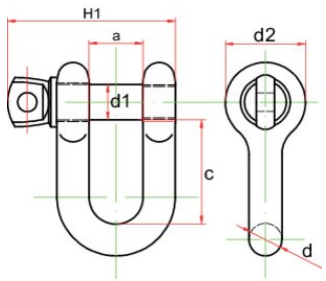
**Safety factor:** 6:1
**Grade:** 6

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## Blueprint




## Technical data

| Part code | WLL ton | Size inch | a* mm | c* mm | d mm | d1 mm | d2 mm | H1 mm | Weight kg |
|---|---|---|---|---|---|---|---|---|---|
| 420100030820 | 0.33 | 3/16 | 10 | 21.85 | 5 | 6.3 | 14.5 | 29 | 0.025 |
| 420100050820 | 0.5 | 1/4 | 13 | 22 | 6.5 | 8 | 17.5 | 38 | 0.042 |
| 420100080820 | 0.75 | 5/16 | 13.5 | 25.5 | 8 | 9.5 | 21 | 42.5 | 0.068 |
| 420100100820 | 1 | 3/8 | 17 | 30.9 | 10 | 11.2 | 25 | 51.5 | 0.13 |
| 420100150820 | 1.5 | 7/16 | 18.5 | 36.4 | 11 | 12.7 | 27 | 58 | 0.185 |
| 420100200820 | 2 | 1/2 | 20.6 | 41.4 | 12.7 | 15.8 | 30.5 | 67 | 0.29 |
| 420100330820 | 3.25 | 5/8 | 27 | 51 | 16 | 19 | 40 | 85 | 0.58 |
| 420100480820 | 4.75 | 3/4 | 32 | 63 | 19 | 22 | 48 | 98.5 | 0.93 |
| 420100650820 | 6.5 | 7/8 | 37 | 72 | 22 | 25 | 54 | 114 | 1.45 |
| 420100850820 | 8.5 | 1 | 43.5 | 81.75 | 26.5 | 28 | 60 | 129.5 | 2.06 |
| 420100950820 | 9.5 | 1-1/8 | 48 | 94 | 29 | 32 | 68 | 144 | 2.91 |
| 420101200820 | 12 | 1-1/4 | 53 | 102 | 32 | 35 | 76 | 157 | 4.15 |
| 420101350820 | 13.5 | 1-3/8 | 59 | 113.5 | 35 | 38 | 84 | 171 | 5.5 |
| 420101700820 | 17 | 1-1/2 | 62 | 123 | 38 | 42 | 92 | 186 | 6.97 |
| 420102500820 | 25 | 1-3/4 | 75 | 148 | 45 | 50 | 106 | 227 | 11.22 |

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