

## Weld-On Hook POWERTEX WH



### Product information

Enhance your lifting and handling operations with the POWERTEX Weld-on Hook WH, a robust and reliable solution for welded mounting on lifting beams, excavators, and other earth-moving machinery. Engineered to meet the rigorous demands of industrial environments, the WH hook ensures secure and efficient load handling.

#### Allowed loading directions:

- The WH hook is designed to be loaded within a 135-degree area in the intended load plane (+45 to -90 degrees from the weld-on surface)

#### Product features

- **Durable Finish:** Coated in PURE RED powder paint, the WH Weld-on hooks stand out for their durability and corrosion resistance.
- **Ready for welding:** The weld base is not painted, allowing for immediate welding without excessive smoke or fumes.
- **Compliance to standard:** Manufactured to meet the testing requirements specified by EN 1677-1, ensuring high safety and quality standards.
- **Reliable:** Designed with a safety factor of at least 4 in the intended load directions, offering a secure lifting experience. Safety factor of 5 when loaded parallel to the weld base.
- **Quality assurance:** Each component undergoes crack detection testing and sample proof loading in the factory.
- **Type Testing:** Each model undergoes factory type testing, including breaking tests and a fatigue test to 20,000 cycles at 1.5 times the WLL, which highlights the product's endurance.
- **Full Traceability:** Every component is marked with POWERTEX branding, model name, WLL, CE-mark, UKCA-mark, and a traceability code, ensuring traceability to the production lot and raw materials.
- **Harmless:** Chromium 6 free, aligning with environmental safety standards.
- **Certificates Included:** Comes with a POWERTEX 2.2 certificate & Declaration of Conformity with each box, confirming compliance with EC and UK regulations.
- **Wide Temperature Range:** Optimized for use between -40°C to +200°C without WLL reduction, with permissible WLL reductions for higher temperature ranges, ensuring adaptability to various environments.

**Features:** Weldable base prepared for immediate welding, spart part kits available

**Material:** Forged Alloy Steel

**Marking:** CE-marked, UKCA-marked, POWERTEX, model name, WLL and batch number

**Temperature range:** -40°C up to +200°C

**Finish:** Powder painted in PURE RED

**Note:** The LPW is WLL (Working Load Limit) rated, assuming that the correct welding procedure is meticulously followed and executed by a suitably qualified welder, to maintain the product's integrity and compliance with safety regulations.

| Part Code    | Code   | WLL ton | A mm | B mm | C mm | E mm | F mm | H mm | M mm | L mm | P mm | Weight kg | Delivery time |
|--------------|--------|---------|------|------|------|------|------|------|------|------|------|-----------|---------------|
| 420500101250 | WH-1T  | 1       | 23   | 76   | 63   | 22   | 18   | 93   | 22.5 | 101  | 25   | 0.54      | 10            |
| 420500201250 | WH-2T  | 2       | 29   | 92   | 66   | 26   | 20.5 | 81   | 23.3 | 111  | 34   | 0.87      | 10            |
| 420500301250 | WH-3T  | 3       | 30   | 106  | 75   | 30   | 24   | 116  | 30   | 128  | 36   | 1.3       | 10            |
| 420500501250 | WH-5T  | 5       | 39   | 133  | 98   | 36   | 28   | 160  | 43   | 176  | 43.5 | 2.7       | 10            |
| 420500801250 | WH-8T  | 8       | 36   | 137  | 99   | 34.5 | 39   | 166  | 50   | 175  | 51   | 3.5       | 10            |
| 420501001250 | WH-10T | 10      | 49   | 169  | 140  | 49   | 38   | 205  | 55   | 222  | 53   | 5.2       | 10            |

# Blueprint

