

## 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 and AS 3776, 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 | Mmm mm | L mm | Pmm mm | Weight kg |
|--------------|--------|---------|------|------|------|------|------|-------|--------|------|--------|-----------|
| 420500101250 | WH-1T  | 1       | 23   | 76   | 63   | 22   | 18   | 93    | 22.5   | 101  | 25     | 0.54      |
| 420500201250 | WH-2T  | 2       | 29   | 92   | 66   | 26   | 20.5 | 81    | 23.3   | 111  | 34     | 0.87      |
| 420500301250 | WH-3T  | 3       | 30   | 106  | 75   | 30   | 24   | 116   | 30     | 128  | 36     | 1.3       |
| 420500501250 | WH-5T  | 5       | 39   | 133  | 98   | 36   | 28   | 160   | 43     | 176  | 43.5   | 2.7       |
| 420500801250 | WH-8T  | 8       | 36   | 137  | 99   | 34.5 | 39   | 166   | 50     | 175  | 51     | 3.5       |
| 420501001250 | WH-10T | 10      | 49   | 169  | 140  | 49   | 38   | 205   | 55     | 222  | 53     | 5.2       |

## Blueprint

