

King Brinell Tester

Portable, hydraulic Brinell Hardness Tester

- Built to Last – King Testers have been in operation for over 60 years
- Ease of Use
- Can be used in any position
- Stainless steel test head – Resists rust and corrosion
- Durability – Constructed with alloy steel threaded posts

The King Portable Tester is a mobile tester that is suitable for use in the lab or in the plant. It is easy to operate and convenient to carry. It can be used to test all sizes of parts and parts in any direction (like upside down, underside, or side face). When the part cannot be moved easily, the King Tester is the answer.

The King Tester applies the same principle as a bench type Brinell hardness tester. By a hydraulic principle with hand-operation the 3000kg test force is applied to the sample using a 10mm carbide ball indenter. The indentation results reflect the hardness of the material. The tester has multiple testing forces and indenters so that the King Tester can test all kinds of material and its testing range is 16-650 HBW.



The test conditions and accuracy meet the requirements of ISO 6056 and ASTM E110 and can be used to test rough castings, forgings, nonferrous metals and semi-finished products after heat treatment. The result is far more accurate and repeatable than other portable Brinell hardness testers. The calibrated accuracy of the test force is 1% which confirms to ASTM E10.

For large samples the stand of the King Brinell hardness tester can be replaced by a chain adapter.

Technical Data

Test load:	500 - 3000 kg
Measuring Range:	16-650 HBW
Max. sample height:	approx. 35 cm (up to 50 cm optional)
Max. sample depth:	approx. 10 cm (up to 15 cm optional)
Accuracy:	according ISO 6506 and ASTM E110
Weight:	approx. 15 kg

Standard delivery

- King Brinell hardness tester
- Stand
- Indenter with 10 mm ball
- Flat anvil
- V-Anvil
- Manual
- Factory certificate

Optionales Zubehör

- Frame for bigger samples
- Chain adapter
- Hardness test blocks
- Analogue microscope