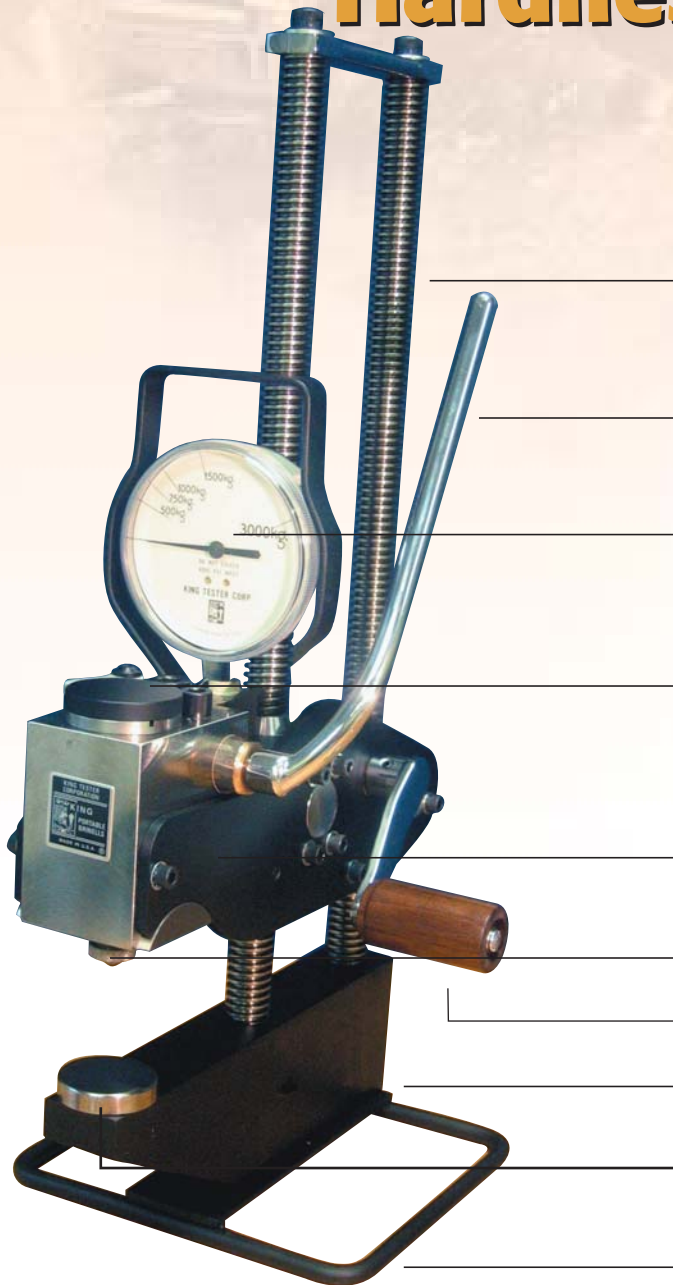


Portable Brinell Hardness Tester



Alloy Steel-Threaded Posts
Wear longer, resist distortion.

Pressure Lever
Used to apply up to a true 3000 kg load.

Bourdon-Type Pressure Gauge
Indicates true load exerted by pump and when full load has been reached.

Stainless Steel Test Head
Contains sealed hydraulic pump and reservoir. Calibrated to release load at 3,000 kg. Fully interchangeable with optional King bases. Also available in a low pressure version for testing softer metals and in a long ram version.

Gear Train with Hand Crank
Allows easy, positive adjustment of opening to any size specimen up to 14" (20" optional).

Standard 10mm Brinell Ball
Can be easily changed to 2.5 & 5mm ball or reverse direction load head.

Handle
Made of walnut wood for easy grip and durability.

Throat
Standard is 4" with 6" optional.

Flat, Dome and Vee Anvils
Supplied as standard equipment for testing various shaped specimens. Also accepts reverse direction impression adapters.

Wire Basket
Rounded corners and no sharp edges for maximum safety.

COMPLETE TESTERS

Standard King Brinell Hardness Tester

The King Brinell hardness tester has base with a 14" gap and 4" throat; head and gauge calibrated for a 0–3000 kg. load; filled hydraulic reservoir; 10mm steel ball; flat, dome and vee shaped anvils; instruction and maintenance manuals.

NOTHING BEATS IT FOR ACCURACY, VERSATILITY, DURABILITY, AND AFFORDABILITY

On the market for over 60 years, King Brinell hardness testers are lightweight, easy to maneuver and require only one operator, making them ideal for use as portable or bench units. Versatile enough to test virtually any size and shape of metal specimen, these testers are easy to use. The operator simply places the specimen between the anvil and the test head, cranks the test head down onto the specimen, locking the tester in place, closes the pressure release valve, and pulls the hydraulic lever until desired load is reached. The tester applies up to a 3,000 kg load on a 10mm ball, making a lasting impression, which is available for re-reading at any time. A by-pass valve is automatically activated at the calibrated load, eliminating the chance of overloading. The impression is then read and recorded by the operator using a Brinell microscope such as "Deep reading microscope" or KingScan® automatic Brinell microscope. This portable Brinell hardness tester meets all international standards for Brinell testing including ASTM E-110, British Standard #240, Pt.2, Sect.1 and JIS Standards, and is calibrated to 1/2 of 1% of load on equipment traceable to NIST Standards.

OPTIONAL ADAPTERS AND COMPONENT PARTS



Chain Adapter

Used for large cylinders it fits onto a standard test head and wraps around specimens that are too big for regular tester. High strength chrome/molybdenum steel arms hold the chain to the test head and allow it to stay rigid while the chain takes the full thrust of the load. Supplied with 4' chain.

Standard Test Head with Long Ram

Same features as standard test head plus a long ram that puts impression head at end of 2" extension for easy access into recessed areas or over raised edges.



Reverse Direction Load Adapter

Used inside pipes, tubes and other interior locations that are otherwise impossible to reach. Consists of an anvil which drops into the base and contains a 10mm ball penetrator; and a reverse direction load head, which screws onto the ram.

Low Pressure Test Head

Applied load and indicator dial are coordinated for softer metals. Can be calibrated to release at loads of 62-1/2 kg, 125 kg, 250 kg, 500 kg, or 1000 kg.

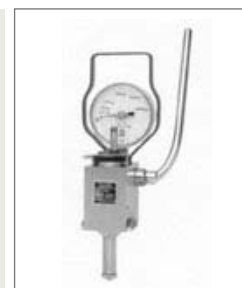


Adapter to Hold Test Head Upright without Base

For testing large flats it enables test heads to be used under large drill presses, boring mills, arbor presses and beams that are capable of withstanding 3000 kg.

Low Pressure Test Head with Long Ram

Same features as low pressure test head plus a long ram that puts impression head at end of 2" extension for easy access into recessed areas or over raised edges.



Standard Test Head

Calibrated accurate to 1/2 of 1% load. Releases at 3,000 kg automatically. Capable of incremental loads.

Base

14" base with 14" test height opening and 4" throat is standard. Optional 6" throat with either 14" or 20" test height opening available. 20" base also available with 4" throat and 20" test height opening. 2.5 & 5mm Ball Adapter Used on softer materials or where a smaller impression is desired.



2.5 & 5mm Ball Adapter

Used on softer materials or where a smaller impression is desired.

OTHER ACCESSORIES

Brinell Deep Reading Microscope, Automatic Brinell Microscope, Brinell Test Blocks