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 a 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.
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 load.

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.
Other King Products

**King Brinell Microscope**
Constructed from stainless steel, the rugged and optically reliable King Brinell microscope is the most versatile on the market today. Featuring a 20X pre-focused lens, the microscope has a narrow nosepiece which easily fits into tight recesses, resulting in less grinding on castings, billets and dies. For added stability when performing flat work, a slip-on base adapter is included. A side opening in the microscope allows plenty of natural light for viewing, and a cordless movable pen light can be used in dim conditions. Calibrated on equipment traceable to NIST standards, the King Brinell microscope meets ASTM E-10 specifications. It is ready to use and comes equipped with a handy storage case.

**King Master® Brinell Test Block**
Unique patented electro-etched surface layout grid ensures proper spacing between impressions. Five master Brinell impressions are clearly identifiable. Manufactured from de-carb free tool steel. Meets ASTM E-10 specifications. Aluminum test blocks available for lower hardness ranges.

**King Reference® Brinell Test Block**

**Stage Micrometer**
Used to check calibration of Brinell Microscope by placing the microscope on the stage micrometer and aligning the grid on the stage micrometer with the grid on the microscope. If the grids don’t match perfectly, the microscope is out of calibration and should be re-calibrated. Meets ASTM E-10, and is traceable to NIST standards.