

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

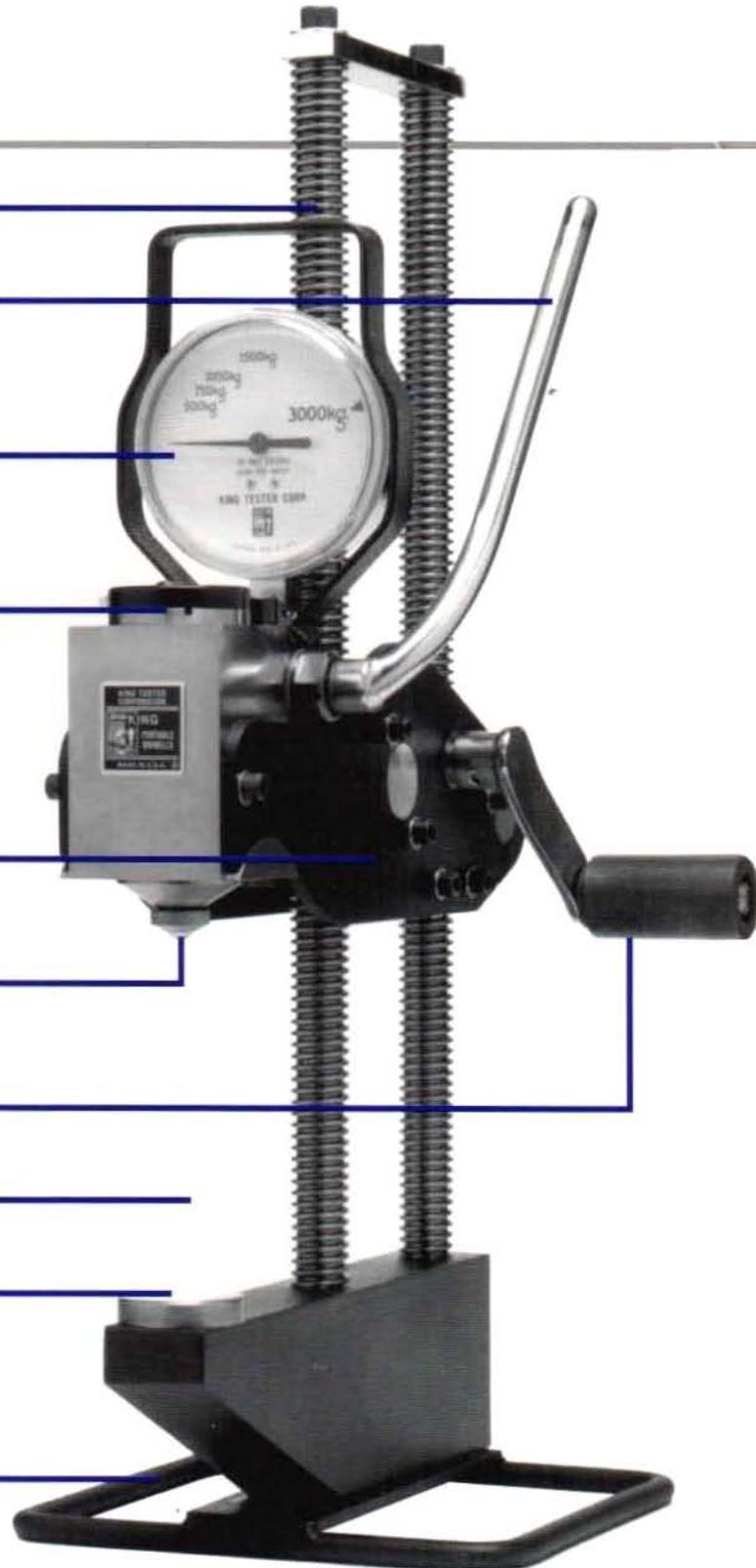
Standard is 4" with 6" optional.

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.



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.



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.



Standard Test Head

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



2.5 & 5mm Ball Adapter

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

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.



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.



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.



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.



Quality Solutions

Ernst Representative in USA & Canada

CALL: 812-704-5491

Other King Products



Microscope in case



Shown with adapter

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

Designed for use in calibrating all portable, bench and production Brinell Hardness Testers. Contains five master Brinell impressions. Made from de-carb free tool steel. Meets ASTM E-10 specifications. Aluminum test blocks available for lower hardness ranges.



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.



Quality Solutions

Ernst Representative in USA & Canada

CALL: 812-704-5491