

# KING<sup>®</sup>

Tester Corporation *Since 1936*

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610.279.6010

## METAL HARDNESS TESTING MADE EASY

### KING<sup>®</sup> Portable Brinell Tester

The King Portable Brinell Tester is the most reliable, user-friendly and affordable portable Brinell tester and the ONLY portable Brinell tester on the market that is Directly Verifiable.



#### ACCURATE

- ◆ Manufactured to the most exacting tolerances ensuring consistent, repeatable results
- ◆ Certifications/Standards ASTM E-10, ASTM E-110, ISO 17025
- ◆ Calibrated with traceability to NIST
- ◆ Calibrated to build, then release, a load of 3000 kgf of pressure
- ◆ Permanent impression can be checked and rechecked
- ◆ Has a 360° orientation and is self-aligning



#### DURABLE

- ◆ Tungsten carbide ball certified for density and roundness
- ◆ Stroke limiter for reduced operator error and provides consistent performance between operators
- ◆ One-year Limited Warranty
- ◆ Calibration and service plans available



Made in the USA



#### VERSATILE

- ◆ Can be used in virtually any position; right side up, upside down, or even sideways.
- ◆ Portable so either the part can be moved to the tester or you can take the tester to the part
- ◆ Lightweight and easy to maneuver
- ◆ Fully interchangeable with multiple bases
- ◆ Only one operator required
- ◆ Flat, dome and "V" anvils supplied as standard equipment

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# KING Portable Brinell Tester **HARDNESS TESTING MADE EASY**

## SPECIFICATIONS

**Operation Method/Principle:** Brinell (Tungsten Carbide ball with a manual hydraulic applied load)

**Certifications/Standards** ASTM E-10, ASTM E-110, ISO 17025

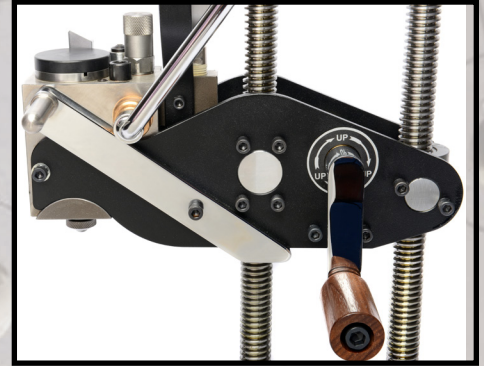
**Dimensions & Weight** 23.5" x 11" x 12"; 38 lbs.

**Scales** HB30, HB15

**Loads** 3000 kgf, 1500 kgf

**Load Application** Manual

**Tester Base Capacity** 4" horizontal reach and 13.5" vertical (larger bases available)



## The ultimate in **VERSATILITY**



King Portable Brinell Testers are versatile enough to test any size and shape of metal.

- ◆ **Long Ram Test Head** for easy access into recessed areas or over raised edges.
- ◆ **Low Pressure Test Head** for softer metals, can be calibrated to release loads of 62.5 kgf, 125 kgf, 250 kgf, 500 kgf, 750 kgf or 1000 kgf.
- ◆ **Chain Adapter** for testing an unlimited range of differently sized parts. Comes with 4' of chain. Longer lengths available.



King Tester Bases allow testing of your tallest and widest metal pieces.

- ◆ **C-1 Standard Base - 13 1/2" Gap and 4" Throat** for metal or round parts with a max. dia. of 8".
- ◆ **C-5 Base - 13 1/2" Gap with 6" Throat** for wide parts including pipes with a max. dia. of 12".
- ◆ **C-6 Base - 20" Gap with 4" Throat** for tall parts, such as pipes with large openings.
- ◆ **C-7 Base - 20" Gap with 6" Throat** for your largest parts on the shop floor or in the field.



King Tester microscopes and automatic readers fit your every need.

- ◆ **KingScope** requires less surface preparation because of the nose piece design.
- ◆ **KingScope 100** rugged, portable ASTM Type A scope with 0.01MM accuracy. LED illumination allows for easy and quick focus.
- ◆ **KingScan** automatic digital microscope, reads impressions to within .01mm accuracy. Uses digital camera and computer software to record and save data.



King Tester Test Blocks are traceable, serialized, affordable and meet ASTM E-10 standards of 1% tolerance. Our patented, etched, cross hair design improves test accuracy.

- ◆ **King Master Test Block (2" x 6")** is available in multiple formats including HB 30, HB 15, HB 10, and HB 5.
- ◆ **King Master Test Block (4" x 4")** is available for all Brinell scales. The larger block size reduces your cost per indent. The etched alphanumeric grid improves record keeping accuracy.

For more information about our metal hardness testers,  
**CONTACT US TODAY AT 610.279.6010**

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