

KING[®]

Tester Corporation
www.KINGtester.com
king@KINGtester.com
Since 1936

610.279.6010

METAL HARDNESS TESTING MADE EASY

KING Portable Brinell Tester with Chain Adapter

The King Portable Brinell Chain Adapter gives you the flexibility to apply a full 3000 kgf load anywhere to parts no matter the size of the diameter. The chain adapter comes with four feet of chain with the option to add even more. King Brinell Testers are the ONLY portable Brinell tester on the market that is Directly Verifiable.



ACCURATE

- ◆ Accurate to within 1%
- ◆ 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
- ◆ Patented external calibrating system
- ◆ Stroke limiter for reduced operator error and provides consistent performance between operators
- ◆ One-year Limited Warranty
- ◆ Extended Service Plan available



Made in the USA



VERSATILE

- ◆ Supplied with 4' chain with additional lengths available
- ◆ Able to test an unlimited range of differently sized parts to streamline testing on the production floor
- ◆ 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

KING Tester Corporation ◆ 308 Schell Lane, Phoenixville, PA 19460
www.KINGtester.com ◆ 610.279.6010 ◆ king@KINGtester.com

KING Chain Adapter **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

Scales HB30, HB15

Loads 3000 kgf, 1500 kgf

Load Application Manual

Tester Base Capacity 10" minimum diameter. Supplied with 4' chain with additional lengths available

The ultimate in **VERSATILITY**



The acknowledged industry standard for Portable Brinell Hardness Testing, the King Tester applies up to a 3,000 kgf load on a 10mm ball, making a lasting impression, which is available for re-reading at any time. 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

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

- ◆ **C-1 Standard Base - 13 ½" Gap and 4" Throat** for metal or round parts with a max. dia. of 8".
- ◆ **C-5 Base - 13 ½" 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

KING[®]
www.KINGtester.com
king@KINGtester.com