

Portable Brinell Tester Chain Adapter

METAL HARDNESS TESTING MADE EASY

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



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 is the industry leader in the manufacturing and distribution of portable Brinell hardness testers and most recently Rockwell testers. Our customers include some of the largest names in aerospace, rail, auto, foundries, steel and aluminum mills, calibration labs, oil and gas, heat treaters, wear parts, military, infrastructure, construction and utilities. We are committed to quality. KING Tester received the ISO 17025 accreditation from the American Association for Laboratory Accreditation (A2LA). All KING Tester products are certified and calibrated per ASTM E10 standards.

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 1/2" Gap with 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.