



CHAIN HYDRAULIC BRINELL HARDNESS TESTER

BHB-3000a is very simple to operate and produce high accuracy. Install the test head into the chain adaptor, using the chain fix the tester on the surface of the specimen and apply the test force by pressure lever. The test head is a small hydraulic system that releases valve used to control the test force. When the test force rises to 3000kgf, the release valve will open and pressure will fall down. It needs to apply the test force repeatedly 3-4 times to make the needle of the pressure gage point to 3000kgf 3-4 times.

Thus, it is equivalent to the test condition of Brinell hardness testing method to hold 3000kgf test force with 10mm ball for 10-15 seconds which complies with ASTM E110.



BHB-3000a

KEY FEATURE: -

- It is a kind of Brinell hardness tester portably used in workshop, simple operation, easy carrying, and testing onitic hardness of large and cylindrical parts.
- By 3000kgf and 10mm ball, the indentation is permanent for re-inspection.
- **BHB-3000a** chain hydraulic Brinell hardness tester follows the Brinell hardness test method completely, the same as desk testers, reflecting the actual mechanical property of material or parts
- The test force accuracy complies with relevant national and international standards, such as ISO 6506, ASTM E110, the same accuracy as desk tester.

TECHNICAL SPECIFICATIONS

Testing Force	3000kg (500kg, 750kg, 1000kg optional)	Test Diameter	≤500mm
Indenter	Φ10mm carbide ball indenter (Φ 5mm available)	Indication Error	Complies with ISO 6506 and ASTM E10
Testing Range	32-650HBW	Repeatability Error	Complies with ISO 6506 and ASTM E10
Test Force Error	≤1% and Complies with ISO 6506, and ASTM E10	Weight	14.5 kg

STANDARD ACCESSORIES: -

- Tester
- Pressure Lever
- Brinell Hardness Test Block
- 20X reading Microscope
- 10mm Carbide Test Ball
- Chain Adapter
- Chain 1.3meter
- Brinell Indentation Measurement Software.