

CHAIN HYDRAULIC BRINELL HARDNESS TESTER PHB – 3000a

STANDARD

ISO 6506 and ASTM E110

PHB-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.





FEATURES

- **On Site Testing:** It can be used in workshop for small specimen and it can test hardness of large part. Simple operation, easy carrying, very convenient to test piece by piece.
- **Permanent Indentation:** By 3000kgf and 10mm ball, the indentation is permanent for re inspection.
- **High Reliability:** It follows the Brinell hardness test method, same as desktop testers, reflecting the actual mechanical property of material or parts.
- **High Accuracy:** The test force accuracy complies with relevant national and international standards, such as ISO 6506, ASTM E110, the same accuracy as benchtop tester.



TECHNICAL SPECIFICATION

| Product Name | Chain Hydraulic Brinell Hardness Tester |
|---------------------|---|
| Testing Force | 3000kg (500kg, 750kg, 1000kg optional) |
| Indenter | Φ10mm carbide ball indenter (Φ 5mm available) |
| Testing Range | 32-650HBW |
| Test Diameter | ≤500mm |
| Indication Error | Complies with ISO 6506 and ASTM E10 |
| 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 PACKAGE



Tester



Pressure Lever



Brinell Hardness
Test Block



20X reading
microscope



10mm Carbide
Test Ball



Chain Adaptor



1.3m Chain