

## PHB-3000a Chain Hydraulic Brinell Hardness Tester



### GENERAL DESCRIPTION

Install the testing head into the chain adaptor, when testing, using the chain to fix the tester on the surface of the workpiece. And then handle the pressure lever to apply test force. The testing head is a small hydraulic system in which a release valve is used to control the test force. When the test force rises 3000kgf, the release valve will open and pressure will fall down, and it needs to apply the test force repeatedly 3-4 times to make the needle of the pressure gage point to 3000kgf for 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.

### FUNCTION AND FEATURES

- On-Site Testing: It is a kind of Brinell hardness tester portably used in workshops. Simple operation, easy carrying, and testing hardness of large and cylindrical parts.
- High Reliability: PHB-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
- High Accuracy: The test force accuracy complies with relevant national and international standards, such as ISO 6506, ASTM E110, the same accuracy as desk tester.

### TECHNICAL PARAMETERS

Test Force: 3000kgf (1000kgf, 750kgf, 500kgf optional)

Test Ball: 10mm Carbide alloy test ball (5mm optional)

Test Range: 32-650HBW

Test Diameter: ≤500mm

Indicator 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: 14.5kg

## Package of PHB-3000a Hydraulic Brinell Hardness Tester

### Standard Package



Tester



Pressure Lever



Brinell Hardness  
Test Block



20X reading  
microscope



10mm Carbide  
Test Ball



Chain Adaptor



1.3m Chain

### Common Spare Parts



Brinell Hardness  
Test Block



5mm Carbide  
Test Ball



Oil sac



Oil



O ring



repair kit



Chains with  
other length



Brinell Indentation  
Measurement System



Rechargeable  
Angle Grinder