

PHB-1 Pin Impact Brinell Hardness Tester



GENERAL DESCRIPTION

The PHB-1 Pin Impact hardness tester is designed following the Brinell hardness test method. The test force is controlled by a shear pin. After reading the diameter of the indentation with the reading microscope, the Brinell hardness value can be obtained from the look up table.

This kind of hammer impact Brinell hardness tester is capable of testing from small to very large specimens. It is especially suitable for assemblies inconvenient to be taken to the lab and not allowed to be cut. The test can be completed in any direction to test the hardness of the upper, lower and lateral part of the specimen.

The PHB-1 Pin Impact hardness tester can be widely used to test the hardness of forgings, castings, steels, nonferrous metal and its alloy products, and to test the hardness of annealed, normalizing and tempered mechanical parts.

Compared to the rebound type hardness tester, the Brinell hammer hit tester has many advantages such as higher precision, fewer factors affecting accuracy and lower requirement on the surface roughness. The test result meets the requirements of most drawings without conversion and is more widely accepted in the international business.

FUNCTION AND FEATURES

- Test Method: This Brinell hardness machine applies Brinell hardness test method
- Force Value Consistency: Good force value consistency, no influence by operator.
- High Accuracy: Good repeatability and high accuracy. The accuracy is the same as a desk tester.
- Simple Operation: Simple and flexible operation. Only consume 1 shear pin for each test.

Technical Parameters of PHB-1 Pin Impact Brinell Hardness Tester



Test Force 1,580 kgf
Indenter: 7.26mm Steel Ball Indenter,
test range 100~350HBW
4mm Carbide Ball Indenter
test range 350~650HBW
Indicator Error: $\leq 5\%$ Comply with ISO, ASTM
Repeatability Error: $\leq 5\%$ Comply with ISO, ASTM
Test Range: 100~650HBW
Net Weight : 0.8 kg
Application: Castings, Forgings, Steel Products, Heat Treatment

Package of PHB-1 Pin Impact Brinell Hardness Tester

Standard Package:



7.26mm Steel Ball Indenter



Shear Pin Housing



Housing



Handle



Brinell Hardness Block
(HB10/3000)



Pin (250 pieces/box)



Pin Cleaner



20x Reading Microscope



Carrying Case