

PHBR-8-10 C-Clamp Brinell and Rockwell Hardness Tester



GENERAL DESCRIPTION

The PHBR-8-10 C-clamp Brinell and Rockwell hardness tester is designed and developed according to the basic principle of Brinell and Rockwell hardness testing methods. The test principle, test conditions and test accuracy are all up to the international standard ISO 6508/6506. The PHBR series hardness tester can work as both Rockwell hardness tester and Brinell hardness tester. They can solve most of the hardness testing problems in the industry. PHBR series Brinell and Rockwell hardness testers have a higher testing accuracy. The test results meet most requirements of product standard or drawings and can be well accepted in the international trade. It applies for huge or medium-size parts not available for magnetic type. It consists of a C-shape frame, screw arbor, and test head. Rockwell hardness testers are mainly for products or semi-finished products after final heat treatment; Brinell hardness testers are mainly for raw materials, castings, forgings, or semi-finished products without heat treatment.

FUNCTION AND FEATURES

- Brinell and Rockwell: Combined Brinell and Rockwell test functions in one instrument.
- Application: Different modes and anvils are available for parts in various sizes and shapes.

TECHNICAL PARAMETERS

Rockwell initial test force: 10 kgf

Rockwell total test Force: 60 kgf, 100 kgf, 150 kgf

Brinell test force: 62.5 kgf, 125 kgf, 187.5 kgf

Rockwell indenter: 120° diamond indenter, 1.588mm carbide alloy ball

Brinell indenter : 2.5mm carbide alloy ball, 5mm carbide alloy ball

Indication Error: complying with ISO and ASTM

Repeatability Error: complying with ISO and ASTM

Test Resolution: Rockwell 0.5HR

Brinell 0.005mm (indentation diameter)

Test range: Rockwell HRA, HRB, HRC

Brinell 16~ 650 HBW

Package of PHBR-8-10 C-Clamp Brinell and Rockwell Hardness Tester

Standard Package



Tester



120° Diamond
Cone Indenter



1.588mm, 2.5mm, 5mm
Carbide Ball Indenter



Rockwell Test Block



Brinell Test Block
(HB 2.5/187.5)



40x Reading Microscope



Flat Anvil



V Anvil



carrying case