



C SHAPE BRINELL AND ROCKWELL HARDNESS TESTER PHBR C Series

STANDARD

ISO 6508, 6508 and ASTM E10, E18

PHBR Series C Shape 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 ISO6508/6506.

The PHBR series hardness testers can work as Rockwell and Brinell hardness tester. It 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.



PHBR-4-3



PHBR-8-4



PHBR-8-10

FEATURES

- **Test Principal:** Combined Brinell and Rockwell test functions in one instrument.
- **Test Method:** Test method follows Brinell and Rockwell hardness test and accuracy is in accordance with ISO6506, 6508 and ASTM E10, E18.
- **Wide Application:** Different modes and anvils are available for parts in various sizes and shapes.
- **Simple Operation:** Fix the instrument to specimen, clamp it and test the hardness of specimen. No need to move the part.
- **High Reliability:** Structure as simple as micrometer, accurate, convenient, repeatable.

TECHNICAL SPECIFICATION

Name	C Shape Brinell and Rockwell Hardness Tester
Rockwell initial test force	10kgf
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, \varnothing 1.588mm carbide alloy ball
Brinell indenter	\varnothing 2.5mm carbide alloy ball, \varnothing 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

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



MODEL SELECTION

Model	Opening Size W x D (mm)	Net Weight Kg	Gross Weight Kg	Package Dimension (mm x mm x mm)
PHBR-4-3	100 X 75	2.3	5.7	510 x 380 x 180
PHBR-8-4	200 X 100	4.0	12.7	710 x 470 x 200
PHBR-8-10	200 X 250	5.5	14.2	720 x 650 x 230
PHBR-20-12	500 X 300	7.8	21.0	1020 x 760 x 240