

NB-3010 Series

Bench Brinell Hardness Testing System



Deadweight Design for High Accuracy Brinell Testing

Standard Model Tester

High-Accuracy Bench Brinell Model NB-3010

The Newage NB-3010 Bench Brinell is a deadweight Brinell tester that meets the needs of a wide range of Brinell applications - from occasional lab testing to constant testing in foundry environments - with a high level of accuracy and low service requirements.

Deadweight Design for High Accuracy

The NB-3010 system applies precise loads using a dead-weight design. A pneumatic cylinder ensures the load descends smoothly (so there is no impact effect on the test specimen) and lifts the load at the end of the test cycle. This simple load system does not require frequent monitoring or repeated calibration for each load change.

Easy Semi-Automatic Test Operation

The semi-automatic test sequence makes the test very easy. The operator raises the elevating screw until the part is seated. At the press of a button the load is applied and then removed after a preset time. Different loads are selected by adding or removing weights. No warm-up period is required for accurate testing. Three push-buttons control the time-at-load selections.

Low Service Requirements

The NB-3010 has few parts critical for proper load application. High quality materials are used (such as aluminum in the pneumatic cylinder and stainless steel in the cylinder rod) to guarantee a long life.

Economical to Own and Operate

This simple and rugged Brinell testing system comes at a very reasonable price.

Specifications & Accessories



Specifications:

Vertical Capacity	9"
Throat Depth	4.5"
Load Range (kgf)	62.5, 187.5, 250, 500, 750, 1000, 1500, 3000
Time-a-load Selections	12, 30, 60 sec.
Tester Dimensions	9"W x 34"H x 28"D
Air Requirements	60 psi, .4 cfm
Shipping Weight	570 lbs. (Approx.)
Power Requirements	110V, 60 Hz

Accessories:

- 4 1/8" Flat
- 3" Vee Anvil
- 10 mm Ball Indenter - Spare Fuse
- Brinell Test Block
- Vinyl Cover
- Operation Manual
- Conversion Chart
- Accessory Case
- Tools for Setup

Options:

- Foot pedal switch
- HiLight Brinell Scope
- 2.5 & 5 mm indenters

Auto-Measure Option



Model NB-3010LB Brinell Tester with B.O.S.S.® Brinell Optical Scanning System

Computer-based system displays and measures test impressions on the monitor, stores test results, and prints reports. It is easily operated with little training. The operator presses a button to optically scan the impression and generate a test result - in less than a second.

- Eliminates operator influence on test results.
- Stores 1000's of test results in the computer.
- Displays the impression on the monitor.
- Use in a laboratory environment or add a Newage enclosure for rugged environments.

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