



### Brinell Hardness Tester Model - B 3000 [H]



Machine designed with a hydraulic power pack and control circuit for effortless loading unloading operation. A dial gauge in front measure depth of ball penetration. This facilitates production testing within tolerance limits by compression method.

ARUN Hardness Testers, Model B-3000 (H) & Model 3000 (O) are precision engineered conforming to IS : 22281 – 1968, BS : 240 and ASTM : E 10, however B-3000 (H) & B-3000 (O) are most suitable for production testing. These machines are designed to measure hardness of castings, forgings, other metals and alloys of all kinds, hard or soft, whether flat, round or irregular in shape.

**Technical Data :**

<b>Model</b>	<b>B - 3000 [ H ]</b>
Loads - kgf	250 to 3000 in stages of 250
Initial Load - kgf	250
Max. test height - mm	410
Dept of throat - mm	200
max. depth of elevating screw below base ( approx. ) - mm	180
Machine height ( approx ) - mm	1127
Net Wight ( approx ) - kg.	450
Drive motor - HP	0.33
mains supply - V/cy/ph	415 / 50 / 3
Optical Device	Nil

**Standard Accessories :**

<b>Model</b>	<b>B - 3000 ( H )</b>
Testing Table 200mm dia	1 pc.
Testing table 70mm dia with 'V' groove for round jobs 10 to 80mm dia.	1 pc.
Ball holder 5mm	1 pc.
Ball holder 10mm	1 pc.
Test Block HB-5/750	1 pc.
Test Block HB-10/3000	1 pc.
Brinell Microscope	1 pc.
Allen Spanner	7 pcs.
Telescopic Cover for elevating screw protection.	1 Set
Instruction manual	1 Book

## Brinell Hardness Tester Model - B 3000 [O]



Basic machine design & operation similar to B-3000 (H). In addition 'optical device' with 14 x magnification provided in front to project dia of ball impression on glass screen with a micrometer measuring system with 0.01mm accuracy. The indenter swivels & projects dia of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression

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### Technical Data :

Model	B - 3000 [ O ]
Loads - kgf	250 to 3000 in stages of 250
Initial Load - kgf	Nil
Max. test height - mm	380
Dept of throat - mm	200
max. depth of elevating screw below base ( approx. ) - mm	180
Machine height ( approx ) - mm	1185
Net Wight ( approx ) - Kg	500
Drive motor - HP	0.33
mains supply - V/cy/ph	415 / 50 / 3
Optical Device	Direct reading optical device with 14 x magnification.

**Standard Accessories :**

<b>Model</b>	<b>B - 3000 ( O )</b>
Testing Table 200mm dia	1 pc.
Testing table 70mm dia with 'V' groove for round jobs 10 to 80mm dia.	1 pc.
Ball holder 5mm	1 pc.
Ball holder 10mm	1 pc.
Test Block HB-5/750	1 pc.
Test Block HB-10/3000	1 pc.
Brinell Microscope	Nil
Allen Spanner	4 pcs.
Telescopic Cover for elevating screw protection.	1 Set
Instruction manual	1 Book

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