



GENESS ENGINEERS

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BRINELL HARDNESS TESTER

MODELS : B 3000 (H), B 3000 (O)



B-3000 (H)

Machine designed with a hydraulic power pack and control circuit effortless loading, unloading operation.

A dial gauge in front measure depth of ball penetration. This facilities production testing within tolerance limits by compression method.

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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SAROJ Hardness Testers, Model B-3000 (H) & Model 3000 (O) are precision engineered confirming to IS:2281-1968, BS:240 and ASTM:E 10, however B-3000 (H) & Model 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			STANDARD ACCESSORIES		
MODEL	B-3000 (H)	B-3000 (O)	MODEL	B-3000 (H)	B-3000 (O)
Loads (kgf)	250 to 3000 in stages of 250	250 to 3000 in stages of 250	Testing table 200mm dia	1 pc.	1 pc.
Initial Load (kgf)	250	NIL	Testing table 70mm dia with 'V' groove for round jobs - 10 to 80mm dia	1 pc.	1 pc.
Max. Test Height (mm)	410	380	Ball Holder 5mm	1 pc.	1 pc.
Depth of Throat (mm)	200	200	Ball Holder 10mm	1 pc.	1 pc.
Max. depth of elevating screw below base (approx.) (mm)	180	180	Test Block HB-5/750	1 pc.	1 pc.
Machine Height (approx.) (mm)	1127	1185	Test Block HB-10/3000	1 pc.	1 pc.
Net Weight (approx.) (kg)	450	500	Brinell Microscope	1 pc.	NIL
Drive Motor (HP)	0.33	0.33	Allen Spanner	7 pcs.	4 pcs.
Mains Supply (V/cy/ph)	415/50/3	415/50/3	Telescopic Cover for elevating screw protection	1 Set	1 Set
Optical Device	NIL	Direct reading optical device with 14 x magnification	Instruction Manual	1 Book	1 Book

Due to constant improvement of the product, SAROJ reserves all rights to change the above specifications without any prior notice.



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