

MIDLAND METROLOGY LIMITED

iBri-1 Pin Impact Brinell Hardness Tester



Product Feature

- It applies Brinell hardness test method, loading test force by hammer impacting, force controlled by shear pin precisely. Accurate test force leads to a good result consistency.
- Test force $F=1580$ kgf, diameter of test ball $D=7.26$ mm, which leads $F/D^2 = 30$. It follows Brinell similarity principle, equals to normal condition of 3,000 kgf, 10mm test ball.
- Simply hit on side to test part, low requirements on the shape and size of test piece.
- Only consume 1 piece of cheap shear pin for each test.
- Reliability, repeatability and accuracy are higher than Leeb hardness testers.

Packing List

	Items
Standard Configurations	7.26 mm Steel Indenter
	Indenter Holder
	Impact Cylinder
	Holding Handle
	Brinell Hardness Block
	Pin (250 pieces/box)
	Pin Removal Tool
	20X Reading Microscope
	Carrying Case
Optional Configurations	7.26 mm Steel Sphere Indenter, 4 mm Hard Alloy Sphere Indenter
	Indenter Holder
	Impact Cylinder
	Brinell Hardness Block
	Pin (250 pieces/box)
20X Reading Microscope	
40X Reading Microscope	
Brinell Indentation Measurement System	

Technical Specification

Test Force	1,580 kgf
Indenter	7.26 mm Steel Indenter, test range 100~350 HBW; 4 mm Carbide Alloy Indenter, test range 350~650 HBW
Indicator Error	≤5 %
Repeatability Error	≤5 %
Test Range	100~650 HBW
Net Weight	0.8 kg
Application	Castings, Forgings, Steel Products, Heat Treatment