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Product Name :

Brinell Indenter

Product Code :

SLE/ETP/17



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Description :

Brinell Indenter (Product Code: SLE/ETP/17) is a ball-type hardness indenter used to find the Brinell hardness number of metal specimens in materials testing and workshop technology laboratories. A hardened steel ball in a holder is pushed onto the specimen to leave a small dent, which students then measure with a hand-held magnifier carrying a graticule scale. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of engineering educational equipment in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Indenter	Hardened steel ball in a holder
Action	Pushes down onto a suitable test specimen and creates a small dent
Measuring aid	Hand-held magnifier with a measurement scale (graticule) for measuring the dent
Result	Brinell hardness number, from the dent dimensions, the indenterball and the applied force
Product code	SLE/ETP/17
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Brinell Indenter Used For?

The Brinell test is one of the oldest and most intuitive ways to compare metals: a hard ball pressed in with a known force leaves a bigger dent in a softer material. Because the ball spreads the load over a relatively large area, the method suits castings, forgings and other metals with a coarse structure, and it gives students a clear, hands-on picture of what a hardness number means.

After the indenter has made its dent, students read the dent diameter through the graticule magnifier, then combine it with the ball size and applied force in the Brinell formula. Measure each dent across two directions at right angles and average them, test on a flat and clean surface, and space the dents well apart and away from the specimen edge.

OEM Manufacturer

The Brinell Indenter is manufactured by Jain Scientific Equipments Private Limited, known by its trading name ScienceLab, which is the OEM (original equipment manufacturer) for this item. Production is at its own licensed factory in Saha, Ambala, Haryana, and polytechnics, engineering colleges, dealers and importers order it directly from there instead of through a trader. If you need a replacement magnifier or indenter later, the manufacturer handles it; ask us. Details are on the company profile page.

Rela

Items

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