

PORTABLE BRINELL TESTER

M-BRINELL

Hydraulically Operated Portable
Brinell Hardness Tester



FINE

MANUFACTURING INDUSTRIES



20-650

HBW RANGE

±1%

FORCE ACCURACY

2

LOAD OPTIONS

MARKETED BY

FOR MORE INFORMATION PLEASE CONTACT:

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AN ISO 9001 : 2015 CERTIFIED COMPANY



Product Overview

ENGINEERED FOR ON-SITE HARDNESS TESTING

Reliable Brinell testing, directly on the job

The Fine M-BRINELL is a hydraulically hand-operated portable Brinell hardness tester designed to create a permanent ball indentation directly on the component. Its dual-load configuration supports practical testing of both small and large specimens, while the dial gauge provides clear confirmation of the applied load.



Key Features

01

Hydraulic operation

Hand-operated portable system for on-site Brinell hardness testing.

02

Dual-load configuration

Select either 750 & 3000 kgf or 1000 & 3000 kgf when ordering.

03

Load confirmation

Dial gauge with a dummy pointer confirms the applied test load.

04

Permanent indentation

Produces a ball indentation using the selected load and ball.

05

Wide testing range

Suitable for hardness values from 20 to 650 HBW.

06

Standards aligned

Conforms to ASTM E10, ASTM E110, IS 1500 and ISO 6506.



Machine Specifications

DESCRIPTION	SPECIFICATION
Test force (select one combination)	750 kgf & 3000 kgf 1000 kgf & 3000 kgf
Test height	300 mm
Depth of throat	120 mm
Force accuracy	±1%
Net weight	18 kg
Hardness range	20 to 650 HBW
Applicable standards	ASTM E10, ASTM E110, IS 1500, ISO 6506

Standard Accessories

Supplied with the machine

DESCRIPTION	QTY
Basic machine	01 No.
Oil bottle	01 No.
Vee anvil	01 No.
Flat anvil	01 No.
Spherical anvil	01 No.
Dia. 10 mm T.C. ball	01 No.
Dia. 10 mm ball cap	01 No.
Test block HB10/3000, 250-350 HBW	01 No.
25x Brinell microscope	01 No.
Instruction manual	01 No.



EXPAND THE TESTING CAPABILITY

Options for your application

01

Job clamping chain

Chain with clamp for component diameters from 100 to 400 mm.

02

BIMS

Computerized Brinell Impression Measurement System, supplied without PC.

03

Ball caps

Available for 5 mm and 10 mm diameter balls.

04

T.C. balls

Available in 5 mm and 10 mm diameters.

Optional Brinell Test Blocks

- HBW 10/3000 150-200, 200-250, 250-300, 300-350, 350-400, 400-450, 450-500, 500-600 HBW
- HBW 5/750 150-200, 200-250, 250-300, 300-350, 350-400, 400-450, 450-500, 500-600 HBW
- HBW 10/1000 90-120 HBW

Select the required load combination and optional accessories at the time of ordering. Specifications and supplied items are based on the source information provided and may be updated without prior notice.