

MODEL 134
PORTABLE BRINELL HARDNESS TESTERS



Portable, accurate, versatile, lightweight, robust

- Applies the full 29 420N (3000kgf) test force on a 10mm ball - other test forces and indenters available
- Applies the full test force with an accuracy of $\pm 0.5\%$
- May be equally well used as a bench machine or may be taken to the job
- Used in any position – in any location the tester is always accurate
- Removable test head and standard accessories make its application almost unlimited, special adapters can be supplied

World Leaders

Brinell Hardness
Testing Equipment



No 0231

PORTABLE HARDNESS TESTER - MODEL 134



The standard model 134 portable Brinell hardness tester consists of a 29 420N(3000kgf) capacity test head mounted in a frame. The test head is hand cranked up and down in the frame and the instrument is used either as a bench machine with the workpiece being placed on the anvil in the usual manner or it is used as a portable machine and is taken to the workpiece and clamped onto it like a G clamp. This enables large and cumbersome items to be quickly and correctly Brinell hardness tested wherever they are – on the shop floor, in a machine tool, at another factory, on an oil rig, built into a ship etc. The Brinell indentation is measured in the conventional way using a Foundrax hand operated Brinell microscope (see separate leaflet)



The portable Brinell hardness tester makes an authentic and accurate Brinell hardness test in whatever location and on whichever plane it is used. These machines have been reliably used all over the world for over half a century in the defence, aerospace, oil, steel, mining and general engineering industries, and in foundries, forges and heat treatment shops.

LEFT & BELOW: MODEL 134 BRINELL HARNESS TESTER BEING USED AS A PORTABLE MACHINE

The STANDARD EQUIPMENT with the USUAL ACCESSORIES will cover over 90% of all Brinell hardness testing applications without further accessories.

STANDARD EQUIPMENT

Model 134 consisting of:

Test head: test forces 4 903-29 420N (500-3000kgf.). Weight 13.5kg.

Frame type 134: gap 340mm, throat 100mm. Weight 9kg.

Flat, domed & vee anvils: for different shaped workpieces

USUAL ACCESSORIES

Foundrax Brinell Reference block: for monitoring of machine

Machine cover: for machine protection

Foundrax Brinell microscope: see separate leaflets

Foundrax stage micrometer: see separate leaflet

OPTIONAL EQUIPMENT

5mm ball adapter: for tests at 7 355N (750kgf)

Vee anvil/locator: simply and properly locates the machine on cylindrical components over 150mm diameter

Bench adapter: makes the 134 frame into a bench machine

Chain adapter: used instead of the 134 frame when testing components outside the capacity of the 134

Reverse adapter: Brinell ball and anvil are interchanged enabling tests to be made in inaccessible places where the test head will not fit but where the narrow shoe of the frame will.

Reference gauge: a set of UKAS certified Brinell indentations to check measurement capability etc.

All items may be purchased separately. Servicing is carried out by experienced Foundrax personnel.

FOUNDRAx MANUFACTURE PORTABLE BRINELL HARDNESS TESTERS FOR SPECIAL APPLICATIONS. (See separate leaflet)

ALTERNATIVE TEST HEADS

Low force test head – force range 612.9-9 807N (62.5 – 1000kgf)

Long ram high & low force test heads

Long ram test heads are used with the 134 frame for testing over flanges, lips etc. The ram which holds the ball indenter is extended by 50mm and is 20mm ø

SHIPPING SPECIFICATION

Packed in one case 0.053m³

Gross weight 20.5kg



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