

FOUNDRAX

Portable Brinell hardness tester

Model 134



**A versatile,
manually-operated
unit that is ideal
for use in the field
or in the workshop**

Setting the standards in Brinell hardness testing equipment



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

The standard Model 134 portable Brinell hardness tester consists of a 29 420N (3000Kg) 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, in a yard or at another factory or customer site.

The Model 134 portable Brinell hardness tester makes an 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.

The Brinell indentation is measured in the conventional way using either a manual or automatic Foundrax Brinell microscope (see separate leaflet).

The standard equipment and optional accessories will cover almost all Brinell hardness testing applications without difficulty.

Optional accessories include:

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

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

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.



Chain adapter:

The Model 134 with Chain adapter allows testing of cylindrical components over 200mm in diameter anywhere along the length of the component.



Railway track adapter:

The Model 134 with railway track adapter allows the user to test track during manufacture or in situ as required.



Bench adapter:

For bench mounting machine.



Special adapters and converters:

Foundrax can manufacture special adapters and converters as required to retrofit the Model 134 test head to other frames as required. The example above shows a converter for retrofitting of the Test Head to an Alpha Duresta Brinell hardness tester frame.

Specifications

Model 134 consisting of:

Test head: test forces 4 903-29 420N (500-3000kgf.). Weight 4.5kg.

Frame type 134: gap 340mm, throat 100mm. Weight 9.5kg.

Standard equipment

Flat, domed & vee anvils: for different shaped workpieces

Alternative test heads (machine supplied calibrated in single test force only).

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

Foundrax manufacture a complete range of Brinell Hardness Testers – portable, laboratory, production, semi-automatic and fully automatic

The Model 134 portable Brinell Hardness Tester

Usual accessories:

Machine cover:	For machine protection
Foundrax Brinell microscope:	See separate brochure
Foundrax stage micrometer:	See separate brochure
Foundrax Brinell Reference block:	For monitoring of machine

Foundrax is the world leader in Brinell hardness testing, we manufacture and supply the most comprehensive range of machines and equipment available today. We continuously develop and improve our processes, procedures and products to remain at the forefront of the industry.

All Foundrax products are offered with UKAS certificates of calibration and offer a robust, reliable and cost-effective solution to the Brinell hardness test process on which so many industries rely.

From National Standard Calibration machines to heavy duty factory floor machines, portable equipment and accessories, there is a Foundrax product for every application.