



# ROCKWELL HARDNESS TESTER

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



## **RH-150**



**DESCRIPTION:**

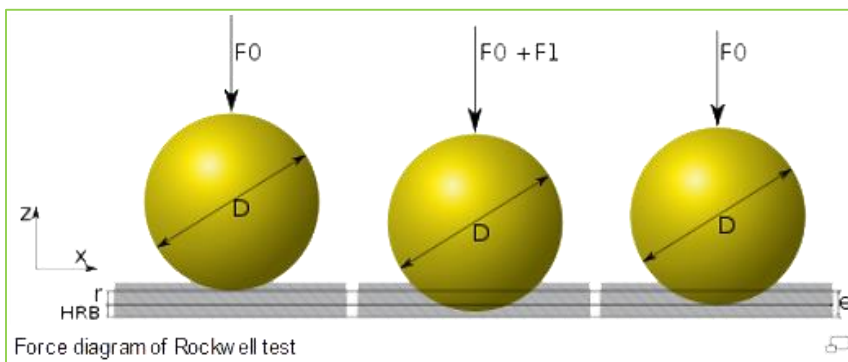
Manual Rockwell hardness tester apply to test the hardness of metal materials. It has stable and reliable performance, it is economical Rockwell machine without electric power supply

**APPLICATION:**

Hardened steel, quenched and tempered steel, annealing steel, bearing steel, strip steel, hardened steel sheet, hard alloy, etc.

**WORKING PRINCIPLE OF ROCKWELL HARDNESS TEST:**

The Rockwell scale is a hardness scale based on indentation hardness of a material. The Rockwell test determines the hardness by measuring the depth of penetration of an indenter under a large load compared to the penetration made by a preload. There are different scales, denoted by a single letter, that use different loads or indenters. The result is a dimensionless number noted as HRA, where A is the scale letter.



**Test range:**  
(20~88) HRA  
(20~100)

HRB

**TECHNICAL PARAMETERS :**

<b>Model No.</b>	<b>RH-150</b>
<b>Rockwell scale</b>	HRA, HRB, HRC, HRD,HRE,HRF,HRG,HRH, HRK, HRL, HRM, HRR
<b>Conversion scale</b>	Conversion table
<b>Preliminary test force</b>	10Kg(98N)
<b>Total test force</b>	60Kg (588N), 100Kg (980N), 150Kg (1471N) Tolerance range: $\pm 1.0\%$
<b>Resolution</b>	0.5HR
<b>Hardness value range</b>	HRA:20~88 HRB:20~100 HRC:20~70
<b>Hardness data read</b>	Dial
<b>Loading method</b>	Manual
<b>Dwell time</b>	Manual
<b>Allowed specimen measurement space</b>	Maximum height :155mm Maximum throat depth:135mm
<b>Size / weight</b>	Instrument size:455*175*610mm (L×W×H) /Net Weight: 65kg
<b>Executive standard</b>	GB/T230.2, ASTM E18, ISO 6508, JIG112

**STANDARD ACCESSORIES:**

Item Name	Q'ty	Item Name	Q'ty
Rockwell hardness tester host	1 set	V-shape testing table	1 pc
Diamond Rockwell indenter	1 pc	1.588 mm diameter steel ball	5 pcs
1.588mm diameter hard alloy steel ball indenter	1 pc	Dust-proof cover: 1 pc,	1 pc
Standard hardness block	4 pcs	Accessory case	1 pc
Large testing table	1 pc	Operating instruction	1 pc
Medium testing table	1 pc	Quality certificate	1 pc
Hardness conversion table	1 pc	Warranty card	1 pc
Optional accessories	Block, Indenter		

\* Due to continues product development, product image & Specifications are subject to change.

\* Customization can be done as per user requirement.