

Wilson® Rockwell® 574

Regular, Superficial, and Twin Scale Testing

The Rockwell 574 Testers are proven, durable, and reliable performers meeting a range of Rockwell testing applications. Available in Regular, Superficial or Twin Scale models, the 574 provides a rugged industrial design, an all-new, easy-to-use control panel, and a built-in USB for easy data transfer to Microsoft® Excel® or other applications. Designed with the best repeatability in its class, the 574 is an affordable, high-precision depth measurement system with proven performance.



Durable & Accurate

- Inline depth transducer for absolute accuracy
- Loading system out of stainless steel components
- Best in class GR&R performance

Interface

- USB port for data transfer
- Crisp, intuitive LCD display with test status, hardness values, statistics, and six languages

Brake

- Automatic minor load braking system

Specimen Illumination

- Specimen lighting with adjustable illumination levels

Applications

- Hardness from castings and forgings
- For flat and cylindrical work pieces
- Wide application within the automotive and aerospace industry
- Laboratory and workshop testing
- Sample testing or quality control testing
- Steels, non-ferrous metals
- Cemented carbide, ceramics, stainless steel

Specifications

	574R Regular	574S Superficial	574T Twin
Pre-load	10kgf	3kgf	3, 10kgf
Main-load	60, 100, 150kgf	15, 30, 45kgf	15, 30, 45, 60, 100, 150kgf
Hardness scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV	15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y
Test load type	Calibrated Spring (Minor Load), Dead weight stack (Major load)		
Test cycle type	Motorized with automatic pre-load brake		
Vertical test capacity	11.43in [289mm] <i>accessories may decrease available capacity</i>		
Horizontal test capacity	6.93in [175mm] at the top, 6.13in [155mm] at the bottom		
Indenters (optional)	120° Diamond cone, 1/16in, 1/8in, 1/4in, 1/2in Ball		
Data-out	USB and RS232		
Standards Compliant	ASTM E18, ASTM D785, ASTM B294, ISO 6508, JIS Z 2245, GB/T 230		
Power	100 - 240VAC, 60/50Hz		



Test Blocks and Indenters

High quality Wilson® hardness standardized test blocks from Buehler® are calibrated in compliance with ASTM E384, ASTM E18, ASTM E10, ISO 6507, ISO 6508, or ISO 6506 where appropriate. Rockwell C standardized test blocks are directly NIST traceable. All calibrations and certifications are performed in an ISO/IEC 17025 compliant facility.



Accessories

Standard

- 63 mm (2.5 in) flat anvil
- 1.5875 mm (1/16 in) carbide ball indenter with four extra carbide balls
- CD with operating instructions and CE certificates
- Certificate of calibration
- Power cord

Accessory options

- Indenters and blocks
- Regular, Superficial, Twin Scale kits
- Clamping Adapter
- Wide range of anvils, fixtures, and test tables

For a complete listing of consumables, please refer to our Product Catalogue or contact your local Buehler Sales Engineer. Buehler continuously makes product improvements; therefore technical specifications are subject to change without notice.

Sectioning AbrasiMet • AbrasiMatic • IsoMet	Mounting SimpliMet	Grinding & Polishing EcoMet • AutoMet • MetaServ	Imaging & Analysis OmniMet	Hardness Testing Wilson®
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