

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.



Interface

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

Load Selection

- Dial selectable loads

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®

