



Wilson® Instruments 574 Rockwell® Hardness Tester Regular, Superficial and Twin scale testing

The Wilson Instruments 574 Rockwell 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 built in USB for easy data transfer to MS® Excel® or other applications. With the best repeatability in its class, a high precision depth measurement system and proven performance, the 574 provides an affordable hardness testing solution.



Applications

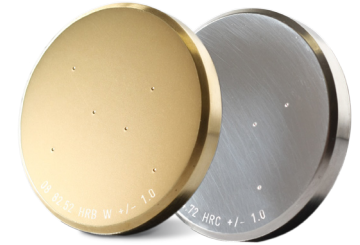
- Hardness from castings and forgings
- For flat and cylindrical work pieces
- Wide application within the automotive and aerospace industry
- Laboratory and workshop testing
- Sample testing or goods receipt testing
- Steels, non ferrous metals
- Cemented carbide, ceramics, stainless steels

Wilson® Instruments 574 Rockwell® Hardness Tester

Regular, Superficial and Twin scale testing

Technical Specifications

| Model Number | 574 R | 574 S | 574 T |
|-----------------------------|---|---|--|
| Hardness Scales | A, B, C, D, E, F, G, H, K, L, M, P, R, S, V | 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y | A, B, C, D, E, F, G, H, K, L, M, P, R, S, V, 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y |
| Preliminary Load Kg (N) | 10 (98.07) | 3 (29.42) | 3, 10 (29.42, 98.07) |
| Total Test Force Kg (N) | 60, 100, 150 (588.4, 980.7, 1471) | 15, 30, 45 (147.1, 294.2, 441.3) | 15, 30, 45, 60, 100, 150 (147.1, 294.2, 441.3, 588.4, 980.7, 1471) |
| Test Force Application Type | Calibrated Spring (Minor Load), Dead weight stack (Major load) | | |
| Dwell Time | Minor Dwell Time Major Dwell Time Elastic Recovery | 0.1 to 50.0 1.0 to 50.0 0.2 to 50.0 | |
| Machine Dimensions | Overall height Overall width Overall depth | 934 mm (36.83 in.) 292 mm (11.53 in.) 566 mm (22.3 in.) | |
| Vertical Testing Capacity | 289 mm (11.43 in.) accessories may decrease available capacity | | |
| Throat Depth | 175 mm (6.93 in.) at the top, 155 mm (6.13 in.) at the bottom | | |
| Maximum specimen weight | 100 Kg (220 lb) | | |
| Machine Weight | 75 Kg (165 lb) | | |
| Specimen Illumination | Adjustable LED | | |
| Standards Compliant | ASTM E18, ASTM D785, ASTM B294, ISO 6508, JIS Z2245, GB/T 230 | | |
| Test Cycle Type | Motorized (Manual preload, auto trip, auto brake) | | |
| Resolution | .1 or .01 HR (adjustable) | | |
| Statistics | Number of Tests, Mean, Standard Deviation, Maximum, Minimum Range, CP, CPK, Individual test hardness numbers (displayed in a scrolling vertical list) | | |
| Conversion | ASTM E140, ISO 18265, DIN 50150, GB T1172, convert up to four scales simultaneously | | |
| Data Output | USB and RS-232 | | |
| Data Memory | 999 per each hardness scale | | |
| Languages | English, German, Spanish, French, Italian, Chinese (Simplified) | | |
| Display | LCD digital panel, backlight, 320 x 240 resolution | | |
| Power Supply | 100 - 240V AC 60/50 Hz | | |



Test blocks and indenters

Wilson Instruments offers a NVLAP 17025 accredited Rockwell test blocks, diamond indenters and ball penetrators



Accessories

Standard

- 63 mm (2.5") flat anvil
- 1.5875mm (1/16") 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

Please ask for a full accessories catalog



Wilson Instruments
825 University Avenue, Norwood, MA 02062
Tel: +1-800-695-4273
www.wilsoninstruments.com

Inspection Technology Systems LLC
5 Alexandra Lane
Avon CT 06001 860-404-8893 f 860-404-8903
ITS@InspectionTechnologySystems.com