



Wilson® Rockwell® 2000

Regular, Superficial, and Twin Scale Testing

The Rockwell 2000 Series Hardness Testers provide an industry-leading Gauge Repeatability and Reproducibility (GR&R) with accurate and repeatable test results using an electronic force monitoring apparatus and a precision depth measurement system. Featuring a durable frame, intuitive user panel, and a simple one-button operation, the Rockwell 2000 exceeds a wide variety of testing requirements. The Rockwell 2000 is available in Regular, Superficial, and Twin Scale models, as well as in two different sizes to suit numerous applications.

Interface

- Intuitive user control panel for quick test method setup and data collection
- Quick access electronic up/down, start test, and abort buttons

Force Application

- Closed-loop electronic load cell design for precision force application

Specimen Illumination

- Adjustable fiber optic specimen illumination

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 steels



Specifications

	2002R & 2003R Regular	2002S & 2003S Superficial	2002T & 2003T 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, 5W, 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	Electronic closed-loop loadcell		
Test cycle type	Automatic, one button start		
Vertical test capacity	2002 models 10in [254mm]; 2003 models 14in [356mm]		
Horizontal test capacity	8.5in [216mm]		
Indenters (optional)	120° Diamond cone, 1/16in, 1/8in, 1/4in, 1/2in Ball		
Resolution	0.1 or 0.01 HR (adjustable)		
Data-out	RS232		
Standards Compliant	ASTM E18, B254, ISO 6508, JIS Z2245		
Power	100, 120, 220 or 240VAC +/- 10%, 47-63Hz		



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

- Vari Rest specimen support
- Clamping nosepiece for part pre-clamp
- Anvils for internal and external ring/tube testing
- T-Slot table for clamping large test specimens
- Audible Alarm for part acceptance/rejection
- Data collection software for exporting to Microsoft® Excel®

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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