

MarMonix

Standard Rockwell Hardness Reference Block

Part Number : MRB-HRC-61.1



Hardware System Integration:

This master test block is engineered to calibrate and check standard indentation instrumentation, matching perfectly with MarMonix Hardness Testers including:
MarMonix MHT-710DS Portable Hardness Tester and **MarMonix MHT-720-DSP** Digital Hardness Tester

Certified Metrological Profile

The parameters listed below represent the exact values verified during the quality control process:

Parameter	Certified Specification Value
Certified Hardness Value	61.1 HRC
Surface Uniformity	0.3 HR

Physical & Material Specifications

Base Core Material:

Deep-stabilized, high-purity alloy tool steel designed to counter long-term structural variance and calibration drift. Geometrical Profile: Precision cylindrical disc.

Surface Topography:

Mirror-lapped and polished testing surface to reduce micro-roughness test deviation.

Regulatory Standards & Compliance Preservation

International Standards: Manufactured and certified under industrial testing frameworks mirroring global ASTM E18 and ISO 6508-3 compliance protocols.

Indentation Pitch Rule: Maintain a structural spacing boundary of at least $(3 \times)$ the diameter of the impression away from any outer block shoulder edge or existing test points.

Testing Surface Restriction: Never impact the lateral sides or the bottom base. Only use the mirror-polished top face for verification.

Alteration Prohibitions: Regrinding, machining, or modifying the polished surface completely voids the factory-certified 61.1 HRC benchmark.

Storage Environment: Apply a light film of preservative anti-corrosion oil immediately following clean-up, and return the block to its protective case.

"The block and support metal are supplied as an integrated assembly and should not be separated or removed, including during storage and transportation."