

302.5 - Rockwell Hardness (block form)

These Standard Reference Materials (SRMs) are transfer standards intended primarily for use in the calibration and verification of the performance of Rockwell hardness equipment using the applicable Rockwell hardness C scale (HRC), Rockwell hardness 15N scale (HR15N), or Rockwell hardness 30N scale (HR30N). Each SRM unit is a steel test block, nominally 64 mm in diameter and 15 mm thick, having a polished test surface described by a micro-engraved circle 52 mm in diameter. Each SRM unit is individually certified and bears a unique serial number on the edge of the block.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	2810	2811	2812	2816	2817	2818	2819	2820	2821
Description	Rockwell C Hardness, Low Range	Rockwell C Hardness - Mid Range	Rockwell C Scale Hardness - High Range	Rockwell Hardness 15N Scale - Low Range (Nominal 72 HR15N)	Rockwell Hardness 15N Scale - Mid Range (Nominal 83 HR15N)	Rockwell Hardness 15N Scale - High Range (Nominal 91 HR15N)	Rockwell Hardness 30N Scale - Low Range (Nominal 45 HR30N)	Rockwell Hardness 30N Scale - Mid Range (Nominal 64 HR30N)	Rockwell Hardness 30N Scale - High Range (Nominal 79 HR30N)
Unit of Issue	(each)	(each)	(each)	(1 block)	(1 block)	(1 block)	(1 block)	(1 block)	(1 block)
Nominal Hardness	25 HRC	45 HRC	63 HRC	72 HR15N	83 HR15N	91 HR15N	45 HR30N	64 HR30N	79 HR30N

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only