

JCSS Series *Hardness Standard Blocks*

ISO 9001



JQA-2078

High-Precision

Hardness Standard Blocks

For checking the hardness tester



Calibration Center of Yamamoto Scientific Tool Laboratory, the world's only manufacturer specializing exclusively in hardness standard blocks, is highly recognized worldwide for its high-precision hardness blocks.

Based on this expertise and technology, the Center has obtained accreditation as a JCSS calibration service provider and manufactures and supplies JCSS hardness standard blocks in compliance with ISO/IEC 17025.

To ensure stable and reliable accuracy control of hardness testing machines, we recommend the use of high-precision blocks with superior uniformity and long-term stability.



JCSS
JCSS 0149

Calibration Center, Yamamoto Scientific Tool Laboratory Co., Ltd. (YSTL), is accredited by IAJapan and registered with the Japan Calibration Service System (JCSS)* in the category of "Standardized Block" for Rockwell, Vickers and Brinell hardness (Accreditation Identification: JCSS 0149 Calibration). The center determines standard hardness values that are traceable to the National Measurement Standards according to ISO/IEC 17025.

*IAJapan, the operator of the JCSS, is a signatory to the Mutual Recognition Agreement (MRA) of the International Laboratory Accreditation Conference (ILAC) as well as the Asia Pacific Accreditation Cooperation (APAC).

◆ Specification

Classification	Nominal hardness	Dimensions	Test conditions
HRA	30, 56, 65 , 71, 75, 78, 81 , 83, 85, 87	φ 64mm × t 15mm (HRA30: t 10mm)	-
HRBW	32, 42 , 52, 62 , 72, 82, 90 , 95, 100	φ 64mm × t 10mm (HRBW72, 82: t 15mm)	-
HRC	10, 20 , 30 , 40, 50, 60 , 70 25, 35, 45 , 55, 62, 64, 67	φ 64mm × t 15mm	-
HR30N	41, 50 , 60, 67 , 73, 78, 81	φ 64mm × t 15mm	-
HR30TW	32, 42 , 52, 62 , 72, 78	φ 64mm × t 10mm (HR30TW72, 78: t 15mm)	-
HV	700, 800, 900, 1000	φ 64mm × t 15mm	HV 30, 1
	100, 150, 200, 300, 400, 500, 600		HV 10, 1
HMV	100, 200, 300, 400, 500, 600, 700, 800, 900	φ 25mm × t 6mm	HV 1, 0.1
HBW	150, 180, 200, 229, 250, 300, 350, 400, 450, 500, 550, 600	φ 115mm × t 18mm	HBW 10/3000
	90, 100		HBW 10/500

- For hardness values and test conditions other than those listed above, please contact us.
- Among HR series, products with nominal hardness values shown in bold are available with short delivery times.
- For the HR series, compliance with ASTM E18 is available at an additional cost.

Contact Information

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The information contained in this catalog is current as of 1 March 2026.
Specifications and designs are subject to change without prior notice.