

【 How to handle the Hardness Standard Block 】



The standard block is a test piece for daily inspection and indirect verification of the hardness tester. It is possible to check whether the hardness tester is working properly by measuring the block : *Verifying whether the correct hardness value can be obtained and does not vary.*

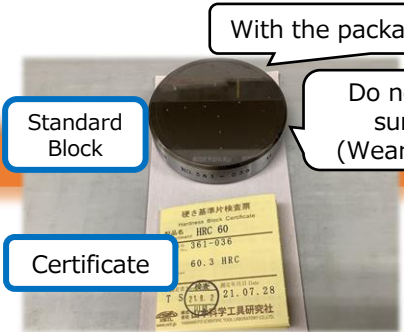
Store in this condition after use.



Before unpacking*1



Unpacking



Standard Block

Certificate

With the packaging removed.

Do not touch the front and back surface, just hold the sides. (Wearing cloth gloves is a better).

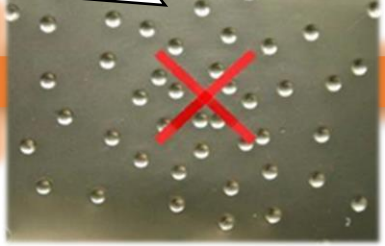
Remove the rustproof oil *2



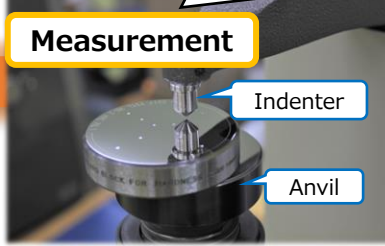
Minute rusts, scratches, and stains on the front and back surfaces of the standard block will affect the measured values. Re-grinding, use of the backside, and storage in a humid environment are strictly prohibited!

Replacement
• Exceeding limit of use.
• Rust, scratches, dirt.
• Recommended period of use (less than 5 years) has passed.
etc.

Distance between indentations should be at least 2 indentations in diameter.



Measure according to ISO/JIS. (5 points or more)



Measurement

Indenter

Anvil

Use alcohol and a soft cloth.

Condition check



Make sure there is no rust, scratches, or dirt.

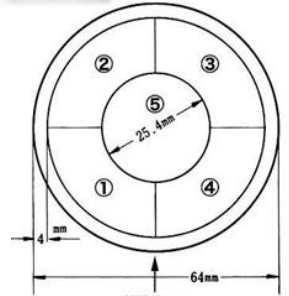
*2Copper and brass blocks are not coated with rustproof oil.



▲ **Marking of the surface**
Ⓐ Year of manufacture, company name, hardness value
Ⓑ Serial number

第1回測定							総合成績	Hardness Block Certificate
The first measurement								
(n= 5)	1	2	3	4	5	$\bar{X}(1\sim 5)$	R(1~5)	製品名 HRC 60 Assortment 製造番号 361-036 Serial No. 60.3 HRC 硬度 Hardness
	60.3	60.2	60.2	60.3	60.2	60.24	0.1	
第2回測定							平均値 Mean	測定年月日 Date
(n= 5)	6	7	8	9	10	$\bar{X}(6\sim 10)$	R(6~10)	検査 測定年月日 Date T S 21.8.2 21.07.28 YAMAMOTO SCIENTIFIC TOOL LABORATORY CO.,LTD.
	60.4	60.4	60.3	60.2	60.3	60.32	0.2	

▲ **Certificate (Example of HRC60)**
The warranty period is 3 years from the date of the inspection stamp.



▲ **Measurement position**
To avoid bias, it is recommended to divide the test surface into 5 sections.