

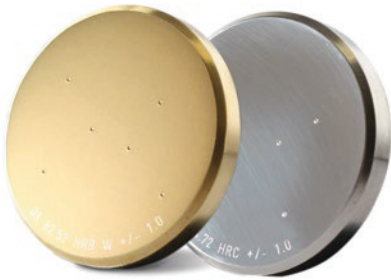


Wilson® Hardness Test Blocks

Wilson Hardness test blocks set the standard for the industry and are made from the highest quality material to insure the most uniform and repeatable blocks available. A comprehensive variety of scales and blocks are available to meet the wide ranges and hardness scales associated with Rockwell®, Brinell, Knoop and Vickers testing. All Wilson test blocks are calibrated in the Wilson Hardness Calibration Laboratory in Binghamton, NY. The Wilson lab is accredited to ISO/IEC 17025 by A2LA and the testers used in the calibration process undergo a stringent monitoring process using NIST traceable devices. For the ultimate accuracy and performance in tester verification, calibration sets are available for most Rockwell scales.

- We work directly with the steel and brass mills to specify the chemical composition
- Our machining processes (grinding, lapping, polishing) are all done in house, at the site of calibration.
- 100% inspection to ensure that every single test block meets the physical requirements of ASTM (thickness, flatness, parallelism, surface roughness)

Wilson® Rockwell Test Blocks



Rockwell C

Part Number	Nominal Hardness
9203111	25HRC
9203121	30HRC
9203131	35HRC
9203141	40HRC
9203151	45HRC

Rockwell C

Part Number	Nominal Hardness
9203161	50HRC
9203171	55HRC
9203181	60HRC
9203191	63HRC

Rockwell B •

Part Number	Nominal Hardness
9202050W	40HRB
9202060W	50HRB
9202070W	60HRB
9202080W	70HRB
9202090W	80HRB
9202100W	95HRB

Rockwell A

Part Number	Nominal Hardness
9201110	63HRA
9201150	73HRA
9201190	83HRA

Rockwell F

Part Number	Nominal Hardness
9206020W	63HRF
9206050W	79.5HRF
9206070W	91HRF

Rockwell E •

Part Number	Nominal Hardness
9205050W	81HRE
9205060W	87HRE
9205070W	93HRE

Superficial Rockwell 15-N

Part Number	Nominal Hardness
9212110	72HR15N
9212130	78HR15N
9212150	83HR5N
921290	91HR15N

Superficial Rockwell 15-T •

Part Number	Nominal Hardness
9218020W	64HR15T
9218050W	73.5HR15T
9218070W	80HR15T
9218090W	86.5HR15T

Superficial Rockwell 30-N

Part Number	Nominal Hardness
9213110	46HR30N
9213130	55HR30N
9213150	64HR30N
9213190	80HR30N

Superficial Rockwell 30-T •

Part Number	Nominal Hardness
9219050W	43HR30T
9219070W	56HR30T
9219090W	70HR30T

‡ Specify hardness required and load force for certification

* Specify additional Vickers or Knoop hardness scale and load force for certification

• Certified using a Tungsten Carbide ball indenter

† Specify hardness required, load force, and ball indenter size for certification





Wilson® Hardness Test Blocks

Wilson® Vickers/Knoop Test Blocks



Nominal value	min	max	HV3	HV5	HV10	HV20	HV30
250 HV	225	274	9500-026	9500-046	9500-066		
300 HV	275	324	9500-027	9500-047	9500-067	9500-087	9500-107
400 HV	375	424	9500-029	9500-049	9500-069	9500-089	9500-109
550 HV	525	574	9500-032	9500-052	9500-072	9500-092	9500-112
600 HV	575	624	9500-033	9500-053	9500-073	9500-093	9500-113
650 HV	625	674	9500-034	9500-054	9500-074	9500-094	9500-114
700 HV	675	724	9500-035	9500-055	9500-075	9500-095	9500-115
750 HV	725	774	9500-036	9500-056	9500-076	9500-096	9500-116
800 HV	775	824				9500-097	9500-117
850 HV	825	875	9500-038	9500-058	9500-078	9500-098	9500-118

Products not available in North America & South America

Nominal value	min	max	HV0.1	HV0.3	HV0.5	HV1
250 HV	225	274	9700-006	9600-046	9600-026	9600-006
300 HV	275	324	9700-008	9600-047	9600-028	9600-007
400 HV	375	424	9700-010	9600-048	9600-029	9600-009
550 HV	525	574	9700-012	9600-052	9600-032	9600-012
600 HV	575	624	9700-013	9600-053	9600-033	9600-013
650 HV	625	674	9700-014	9600-054	9600-034	9600-014
700 HV	675	724	9700-015	9600-055	9600-035	9600-015
750 HV	725	774	9700-016	9600-056	9600-036	9600-016
850 HV	825	875	9700-018	9600-058	9600-038	9600-018

Products not available in North America & South America

Vickers Microindentation α

Part Number	Load Range	Hardness Scale
9200202	0.050-0.499kg	HV
9200202	0.5-1.0kg	HV

Knoop Microindentation α

Part Number	Load Range	Hardness Scale
9200200	0.010-0.499kg	HK
9200201	0.5-1.0kg	HK

Vickers Macroindentation α

Part Number	Load Range	Hardness Scale
900020515	1-120kg	HV

Additional Calibration *

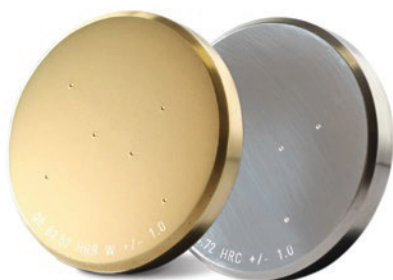
Part Number	Load Range	Hardness Scale
900020511	---	HV or HK

Products only available in North America & South America

α Specify hardness required and load force for certification

* Specify additional Vickers or Knoop hardness scale and load force for certification

Wilson® Brinell Test Blocks



Brinell reference blocks up to 250kgf load

Nominal value	min	max	HBW2.5/62.5 scale	HBW2.5/187.5 scale	HBW5/250 scale
140 HBW	115	169	WH-140HBW-625	WH-140HBW-1875	WH-140HBW-250
200 HBW	170	224	WH-200HBW-625	WH-200HBW-1875	WH-200HBW-250
250 HBW	225	274	WH-250HBW-625	WH-250HBW-1875	WH-250HBW-250
300 HBW	275	324		WH-300HBW-1875	
350 HBW	325	375		WH-350HBW-1875	
400 HBW	375	449		WH-400HBW-1875	
500 HBW	450	525		WH-500HBW-1875	



Brinell reference blocks up to 3000kgf load

Nominal value	min	max	HBW5/750 scale	HBW10/3000 scale
140 HBW	115	169	WH-140HBW-750	WH-140HBW-3000
200 HBW	170	224	WH-200HBW-750	WH-200HBW-3000
225 HBW	212	238		WH-225HBW-3000
250 HBW	225	274	WH-250HBW-750	WH-250HBW-3000
275 HBW	262	288		WH-275HBW-3000
300 HBW	275	324	WH-300HBW-750	WH-300HBW-3000
325 HBW	312	338		WH-325HBW-3000
350 HBW	325	375	WH-350HBW-750	WH-350HBW-3000
375 HBW	362	388		WH-375HBW-3000
400 HBW	375	449	WH-400HBW-750	WH-400HBW-3000
500 HBW	450	525	WH-500HBW-750	WH-500HBW-3000

Other Brinell scales that use 1mm 2.5mm, 5mm or 10mm ball indenters †

Part Number	Description
WHSMLBRIN*	1mm or 2.5mm ball indenter

Part Number	Description
WHSPECBRIN*	5mm or 10mm ball indenter