

Hardness Test Blocks

ROCKWELL REGULAR HARDNESS TEST BLOCK

Hardness Scale Test Block	Part No.	Penetrator	Load	Ranges	Material
A Scale	RA10	C Diamond	60 Kg	A60 - A84	Steel
A Scale	RA20	C Diamond	60 Kg	A20 - A59	Brass
A Scale	RA30	A Diamond (Carbide)	60 Kg	A88 & up	Carbide
B Scale	RB20	1/16" Ball	100 Kg	B10 - B92	Brass
B Scale	RB20	1/16" Ball	100 Kg	B90 - B130	Steel
C Scale	RC10	C Diamond	150 Kg	All	Steel
D Scale	RD10	C Diamond	100 Kg	All	Steel
E Scale	RE10	1/8" Ball	100 Kg	All	Brass
F Scale	RF10	1/16" Ball	60 Kg	All	Brass
G Scale	RG10	1/16" Ball	150 Kg	G2.5 - G64	Brass
G Scale	RG20	1/16" Ball	150 Kg	G66 & up	Steel
H Scale	RH10	1/8" Ball	60 Kg	All	Brass
K Scale	RK10	1/8" Ball	150 Kg	All	Brass
L Scale	RL10	1/4" Ball	60 Kg	All	Brass
M Scale	RM10	1/4" Ball	100 Kg	All	Brass
P Scale	RP10	1/4" Ball	150 Kg	All	Brass
R Scale	RR10	1/2" Ball	60 Kg	All	Brass
S Scale	RS10	1/2" Ball	100 Kg	All	Brass
V Scale	RV10	1/2" Ball	150 Kg	All	Brass



Samples of Hardness test block

ROCKWELL SUPERFICIAL HARDNESS TEST BLOCK

Hardness Scale	Part No:	Penetrator	Load	Ranges	Material
15N Scale	S15N10	N Diamond	15 kg	All	Steel
30N Scale	S30N10	N Diamond	30 kg	All	Steel
45N Scale	S45N10	N Diamond	45 kg	All	Steel
15T Scale	S15T10	1/16" Ball	15 kg	All	Brass
30T Scale	S30T10	1/16" Ball	30 kg	All	Brass
45T Scale	S45T10	1/16" Ball	45 kg	All	Brass
15W Scale	S15W10	1/8" Ball	15 kg	All	Brass
30W Scale	S30W10	1/8" Ball	30 kg	All	Brass
45W Scale	S45W10	1/8" Ball	45 kg	All	Brass
15X Scale	S15X10	1/4" Ball	15 kg	All	Brass
30X Scale	S30X10	1/4" Ball	30 kg	All	Brass
45X Scale	S45X10	1/4" Ball	45 kg	All	Brass
15Y Scale	S15Y10	1/2" Ball	15 kg	All	Brass
30Y Scale	S30Y10	1/2" Ball	30 kg	All	Brass
45Y Scale	S45Y10	1/2" Ball	45 kg	All	Brass

ROCKWELL TESTING ACCESSORIES

DIAMOND PENETRATORS	
Part No:	Description
P1010	Standard "C" Diamond Penetrator
P1020	Standard "N" Diamond Penetrator
P1030	Carbide "A" Diamond Penetrator
P1040	"Versitron®" type "C" Diamond
P1045	"Versitron®" type "N" Diamond
P1050	"Indentron®" type "C" Diamond
P1060	"Indentron®" type "N" Diamond
P1070	"C" & "N" Combo Slip-in Diamond Penetrator
P1080	"C" Portable Diamond Penetrator
P1090	"Versitron®" type Tapered Diamond

Each diamond penetrator is mounted in conformity with its grain structure, to assure balanced pressure and prevent early wear or breakage. They are precision ground, lapped and polished. We also subject each diamond penetrator to a strict performance test before it is approved and certified for sale.

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BALL PENETRATORS

Part No:	Description
P2010	1/16" Ball Penetrator Unit
P2015	1/16" Balls (50 each)
P2020	1/8" Ball Penetrator Unit
P2025	1/8" Balls (25 each)
P2030	1/4" Ball Penetrator Unit
P2035	1/4" Balls
P2040	1/2" Ball Penetrator Unit
P2045	1/2" Balls
P2055	1/16" Carbide Balls

ANVILS

Part No:	Description
A1010	Pedestal Spot (1/4") Anvil
A1020	1 1/2" Flat Anvil
A1030	2 1/2" Flat Anvil
A1040	Shallow "V" Anvil
A1050	Standard "V" Anvil
A1055	3 1/2" "V" Anvil
A1060	4" "V" Anvil
A1070	Gooseneck Anvil
A1080	Diamond Spot Anvil

OTHER ACCESSORIES

Part No:	Description
A2010	Index Adjusting Unit
A2020	Cross Pin Unit (For Dials)
A2030	Elevating Unit Oil (1/2 Pint)
A2040	Dash Pot Oil (1/2 Pint)
A3010	Gooseneck Adapter 2 1/2"
A3020	8" Testing Table
A3030	Jack Rest (8" or 12")
A3040	Extension Support
A3050	Bulbs

Brinell Test Blocks and Accessories

All of our Brinell Test Blocks come certified to applicable standards. We adhere to a strict procedure for the calibration of these blocks, and the accuracy of the tester is maintained using a proving ring and load cell both traceable to N.I.S.T. The readings themselves are done using a stage micrometer also calibrated and traceable to N.I.S.T.

BRINELL HARDNESS TEST BLOCKS

Part No:	Description	Range
B3000	3000 Kg Load 10mm Ball	All Hardness Ranges
B2000	2000 Kg Load 10mm Ball	All Hardness Ranges
B1500	1500 Kg Load 10mm Ball	All Hardness Ranges
B1000	1000 Kg Load 10mm Ball	All Hardness Ranges
B0500	500 Kg Load 10mm Ball	All Hardness Ranges
B0250	250 Kg Load 10mm Ball	All Hardness Ranges
B0187	187.5 Kg Load 10mm Ball	All Hardness Ranges
BT010	Telebrinell Test Blocks	All Hardness Ranges

BRINELL ACCESSORIES

Part No:	Description
P3010	10mm Steel Balls
P3020	10mm Carbide Balls

Micro Hardness Test Blocks

Our range of micro hardness test blocks exceed industry standards. All of our micro test blocks are mirror-polished and mounted to provide the best possible test surface. Each mirror-polished Heavy Load Vickers test block has the same surface area provided by our Rockwell test blocks, so that you get the most test opportunities for your money.

MICRO HARDNESS TEST BLOCKS

Part No:	Description	Range
MV010	Vickers (1 gram to 1,000 gram)	All Ranges
MV020	Heavy Load Vickers (1 Kg to 50 Kg)	All Ranges
MK010	Knoop (1 gram to 1,000 gram)	All Ranges

Note: When ordering please specify Knoop or Vickers, Load and the Hardness Number you require.

MICRO HARDNESS ACCESSORIES

Part No:	Description
P1110	Vickers Diamond Penetrator*

**Vickers Indentor available for all of different makes. Please specify the make of your hardness tester when ordering.*

P1120	Knoop Diamond Penetrator*
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**Knoop Indentor available for all of different makes. Please specify the make of your hardness tester when ordering.*

Master Calibration Kits

Our Master Calibration Kits are produced to provide our customers with the ultimate tool in Quality Control. Each kit contains a test block or blocks and the actual penetrator unit that was used to calibrate them. By matching specific blocks to a specific penetrator, a set relationship is established, and they can be eliminated as potential variables in the hardness test system. Should a problem arise, a master kit on hand allows you to quickly and accurately determine whether your hardness tester is the source.

Each block in our kits has been calibrated on a tester whose accuracy has been verified using N.I.S.T. traceable load and depth measuring devices. The individual test blocks are marked both with their own unique serial number AND the serial number of the penetrator in the kit. All of our kits come with their own polished wood case, and certified to all the applicable standards.

C SCALE STEEL WITH C DIAMOND PENETRATOR

Part No:	Description
C2010	1 Block
C2020	3 Blocks
C2030	6 Blocks
C2040	10 Blocks
C2050	20 Blocks

B SCALE STEEL WITH B DIAMOND PENETRATOR

Part No: (1/16" Ball Penetrator)	Description
C4010	1 Block
C4020	3 Blocks
C4030	6 Blocks
C4040	10 Blocks
C4050	20 Blocks

Part No: (1/8" Ball Penetrator)	Description
C4210	1 Block
C4220	3 Blocks
C4230	6 Blocks
C4240	10 Blocks
C4250	20 Blocks

C AND N SCALE STEEL WITH C DIAMOND AND N DIAMOND PENETRATOR

Part No:	Description
C3510	6 Blocks
C3520	10 Blocks
C3530	20 Blocks

COMBINATION C SCALE AND B SCALE

Part No:	Description
C2510	6 Blocks
C2520	10 Blocks
C2530	20 Blocks