

David Ellis Co, Inc. manufactures hardness test blocks developed by people who understand the standards & specifications that have to be met by manufacturers today. We have every possible scale and range of Brinell, and Rockwell blocks in stock, as well as Knoop, and Vickers Micro blocks, and heavy load Vickers blocks.

A full line of hardness testing accessories is available, including special adapters and other hard to find parts. Standard items are available through the Sales Desk: 800.472.6962, (US and Canada only) or click on the Order Form.

Rockwell Regular Hardness Test Block					
Hardness Scale	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	RB10	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

NOTE: Aluminum Test blocks are available in "B", "E", "F", "G", "H", "K" Scales, but ranges are more limited.

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

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
B0250	Brinell 250 Load	All Hardness Ranges
B0500	Brinell 500 Load	All Hardness Ranges
B1000	Brinell 1000 Load	All Hardness Ranges
B1002	Brinell 62.5 Load	All Hardness Ranges
B1500	Brinell 1500 Load	All Hardness Ranges
B3000	Brinell 3000 Load	All Hardness Ranges
B3001	Brinell 750 Load	All Hardness Ranges
B3002	Brinell 187.5 Load	All Hardness Ranges
BT001	Telebrinell	All Hardness Ranges

Brinell Accessories		
Part No:	Description	
<i>All Brinell scales to ASTM E-10 Table-3 available</i>		
P3010	10mm Steel Balls	
P3020	10mm Carbide Balls	

MICRO HARDNESS TEST BLOCKS
ASTM E-92 - ISO 6507 & 4545
ASTM E-384 - ISO 6507

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 Range Number you require.

Micro Hardness Accessories		
Part No:	Description	
P1110	Vickers Diamond Penetrator *	
<i>* Vickers Indentor available for all of different makes. Please specify the make of your hardness tester when ordering.</i>		
P1120	Knoop Diamond Penetrator*	
<i>* Knoop Indentor available for all of different makes. Please specify the make of your hardness tester when ordering.</i>		

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200127-0

David L. Ellis Co., Incorporated
Acton, MA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Calibration Laboratories

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2016-09-19 through 2017-09-30

Effective Dates



A handwritten signature in blue ink, which appears to read 'David S. Laman'. The signature is written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program