

VICKERS TEST BLOCK ORDERING

Vickers Test Blocks - According to ASTM E92 & E384, ISO 6507-3 and JIS B 7735

Block Type	Test Force	Hardness Value
93	005	250

Example: 250 HV 0.5 Test Block
Item # - 93 005 250

Block Type
93 Vickers

Vickers Test Blocks are NIST traceable and certified to:
ASTM E92 & ASTM E384
ISO 6507-3 & JIS B 7735

Notes:

* ASTM certification only due to $d < 20 \mu m$

** ASTM only for HV > 225 due to $d < 20 \mu m$

*** ASTM only for HV > 450 due to $d < 20 \mu m$

Test Force		
0001	10gf	*
00025	25gf	*
0005	50gf	**
001	100gf	***
002	200gf	
003	300gf	
005	500 gf	
010	1000gf	1kgf
020		2kgf
030		3kgf
050		5kgf
100		10kgf
200		20kgf
300		30kgf
500		50kgf

Micro Block
Macro Block

Hardness Value		
150	125-175HV	Low
200	175-225HV	Low
250	225-275HV	Low
300	275-325HV	Mid
350	325-375HV	Mid
400	375-425HV	Mid
450	425-475HV	Mid
500	475-525HV	Mid
550	525-575HV	Mid
600	575-625HV	High
700	675-725HV	High
775	750-800HV	High
830	800-850HV	High

Brass
Steel



KNOOP TEST BLOCK ORDERING

According to ASTM E92 & E384, ISO 4545-3 and JIS B 7734
Available in full range of HK Scales and with special certifications.

Load (kgf)	Part Number	Nominal Hardness	Range
500gf HK0.5	94-005-225	225 HK	200-250
	94-005-315	315 HK	290-340
	94-005-440	440 HK	415-465
	94-005-540	540 HK	515-565
	94-005-630	630 HK	605-655
	94-005-730	730 HK	705-755
	94-005-850	850 HK	825-875

Knoop loads & scales available:

10gf	HK0.01	200gf	HK0.2
25gf	HK0.025	300gf	HK0.3
50gf	HK0.05	500gf	HK0.5
100gf	HK0.1	1000gf	HK1

Special Order Items

Not applicable for Europe, please contact Buehler Europe

Part Number	Description
93-000-001*	Special block - Vickers Micro (10gf - 1000gf) - provide hardness value and Vickers scale
93-000-002*	Special block - Vickers Macro (1kgf - 50kgf) - provide hardness value and Vickers scale
94-000-001*	Special block - Knoop (10gf - 1000gf) - provide hardness value and Knoop scale
93-000-012*	Multi-calibration block - 2 scales - provide hardness value and Vickers / Knoop scales
93-000-013*	Multi-calibration block - 3 scales - provide hardness value and Vickers / Knoop scales
93-000-014*	Multi-calibration block - 4 scales - provide hardness value and Vickers / Knoop scales

*Specify hardness required and load force for calibration

•Specify additional load force for calibration