NEMESIS 6100

Rockwell Hardness Tester

FULLY AUTOMATIC





NEMESIS 6100

Rockwell testing as the highest standard...

NEMESIS 6100 represents the latest top development of high speed production Rockwell hardness testing, standing for modern design, latest technology, multi-purpose hardness testing and precision mechatronic components. The rigid linear force actuator moves the test head in the required position, providing hardness testing results at the highest standard. Aircraft engine parts, automobile parts, production lines, general quality assurance and laboratory use are all covered by the NEMESIS 6100.





ROCKWELL & BRINELL FORCE RANGE:

skgf NEMESIS 6100RS 150kgf 250kgf

HIGHLIGHTS

- Load cell, closed loop, linear force actuator
- 2 Fixed workpiece position
- 3 Descending test head
- 4 Extended indenter base with high force clamping attachment and indenter protection
- 5 Embedded high quality electronic system with 6,5" color display
- 6 Menu structured operating i-Touch software
- **7** Brinell scales (optional)
- 8 Large test piece accommodation: 345mm (H) x 220mm (D)
- Top-class replaceable body parts, shock proof ABS covers



Observe, Think, Try, Change...

Unparalleled in this class of Rockwell hardness testing machines is the electronic Load cell, force feedback, closed loop system, fully automatic, servo motor driven. Absolute maintenance free, automatic setting of test forces. Error free operation, due to an automatic test cycle, applying the main load and correct pre-set dwell time

"Reliability is the pre-condition for trust..."

The I-Touch™ software provides clever multi-function keys for testing, set-up, storing and uploading of test programs, statistic control and more, making tester operation as easy as it can be. Data export, single or batch readings, with a single press on a button, or just fully automatic after measurement can be stored on a USB stick or transfer by cable to a PC to be imported or evaluated in EXCEL.

Further advanced features include extended statistics, shape correction for convex, concave or ball shaped specimens, hardness conversion to Rockwell, Brinell or Tensile strength according to ASTM E140 and ISO 18625 with different material tables.

There is a table top panel with an adjustable viewing angle or an integrated version that is imbedded in the testers frame. In all cases the panel is mounted in a solid robust aluminum frame.

STARTING WITH I-TOUCH

INNOVATIVE SOFTWARE FUNCTIONS





2 DWELL TIME SETTINGS



















VARIOUS POSSIBILITIES

The NEMESIS 6100 is a rock-solid Rockwell standardizing hardness tester. With a throat depth of 220 mm and a maximum working height of 345 mm, it provides a wide workspace for every type of user. Its solid body work can withstand the hardest environments. In short: NEMESIS 6100 is suitable for every industry.















SUPPORT YOUR **BEST TESTING RESULTS**

With our rigid designed Bench stands

Rock solid bench stands

100% retractable drawer, bearing guidance, max 100kg load. Rubber anti slip bottom

Lockable cabinet, 300mm high

Adjustable feet, (+/- 50mm height adjustable to reach ergonomic working position)

Made of corrosion resistant zinc plated steel with RAL powder coating

Carrying capacity of 400kg

Top surface made of 50mm Plywood with 1.5mm chemical resistant plastic plating, edges made of shock resistant 3mm ABS side liner

Industrial quality, for workshop or laboratory

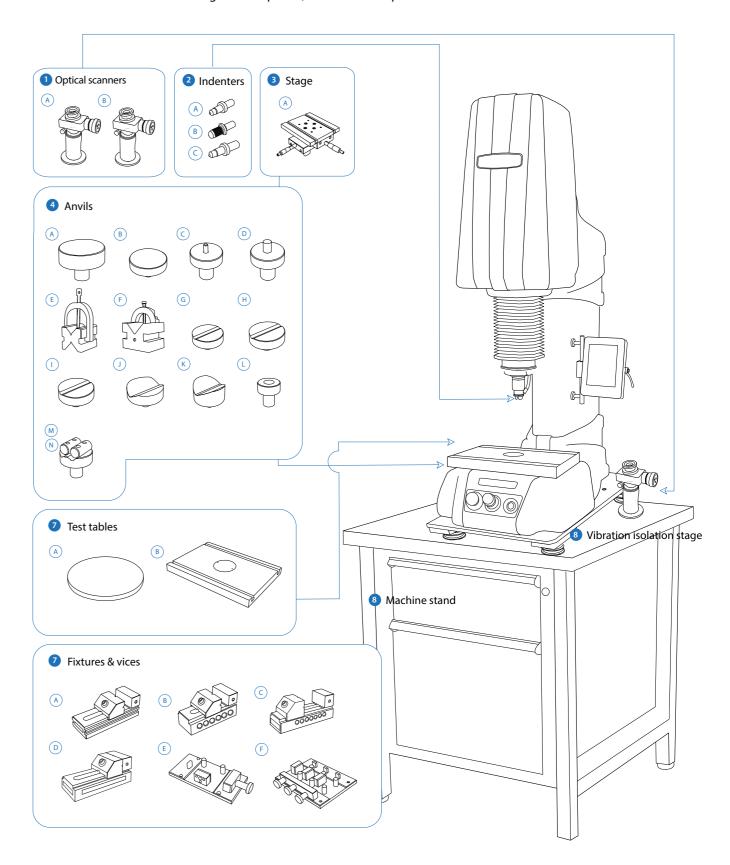
Designed for hardness testing instruments, painted in INNOVATEST® RAL colors matching our testers.



UN-STAND/965 150 x 75 x 80 cm

ACCESSOIRIES NEMESIS 6100

Schematic overview of the configuration options, standard and optional accessories



ORDER DETAILS

NEMESIS 6100



Digital, Twin Scale Load Cell Closed Loop, Rockwell hardness tester 3kgf - 150kgf, i-Touch system	NEMESIS 6100RS	
Plug & Play prepaired, calibration, sea & airworthy packing in "non coniferous wood" material	P&PSEAPACK80	

ACCESSORIES

Optical scanners A Analogue Brinell indent measuring microscope 20x ASS3001-MiCRO/01 8 Analogue Brinell indent measuring microscope 40x ASS3001-MiCRO/02 1 Indenters A Rockwell diamond indenter IN/6005 8 Imm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7000 2.5mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7010 10mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7015 11/16" Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7015 11/16" Carbide Ball Indenter, ASTM/ISO certified IN/7506 11/8" Carbide Ball Indenter, ASTM/ISO certified IN/7606 11/8" Carbide Ball Indenter, ASTM/ISO certified IN/7806 11/8" Carbide Ball Indenter ASTM/ISO certified	A	CESSORIES		
Indenters A Rockwell diamond indenter IN/6005	1	Optical scanners A	Analogue Brinell indent measuring microscope 20x	ASS3001-MICRO/01
Imm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7000 2.5mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7005 Smm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7010 10mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7015 1/16*Carbide Ball Indenter, ASTM/ISO certified IN/7506 1/8*Carbide Ball Indenter, ASTM/ISO certified IN/7506 1/8*Carbide Ball Indenter, ASTM/ISO certified IN/7506 %*Carbide Ball Indenter, ASTM/ISO certified IN/7806 Macro Vickers Indenter Ø6.35mm, ASTM/ISO certified IN/8010 \$\$ Stage A Manual X-Y stage with analogue metric micrometers, 180x160mm Displacement: 25x25mm, scale 0.01mm, max load 300kg Lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ30FP50-55 Quick change anvil base (required for mounting testing tables, anvils) AS5000-450 4 Anvils A Flat anvil 60mm AS3000-19-04 B Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/010 D Spot anvil 940mm 6-60mm UN-ANVIL/010 D V-anvil 063mm 6-60mm UN-ANVIL/006 D V-Anvil 080mm 3.3-20mm UN-ANVIL/006 D V-Anvil 080mm 3.3-20mm UN-ANVIL/006 D V-Anvil 080mm 12-80mm UN-ANVIL/005 D Anvil of or round specimen dia. 6-25,4mm UN-ANVIL/000 UN-ANVIL/000 UN-ANVIL/000 UN-CVANVIL680 UN-CVANVIL680		В	Analogue Brinell indent measuring microscope 40x	ASS3001-MICRO/02
2.5mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7005 Smm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7010 10mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7015 1/16° Carbide Ball Indenter, ASTM/ISO certified IN/7506 1/8° Carbide Ball Indenter, ASTM/ISO certified IN/7506 1/8° Carbide Ball Indenter, ASTM/ISO certified IN/7506 ½° Carbide Ball Indenter, ASTM/ISO certified IN/7506 ½° Carbide Ball Indenter, ASTM/ISO certified IN/7506 ½° Carbide Ball Indenter, ASTM/ISO certified IN/7806 ½° Carbide Ball Indenter, ASTM/ISO certified IN/7806 ¼° Carbide	2	Indenters A	Rockwell diamond indenter	IN/6005
Smm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7010 10mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7015 1/16" Carbide Ball Indenter, ASTM/ISO certified IN/7506 1/8" Carbide Ball Indenter, ASTM/ISO certified IN/7606 1/8" Carbide Ball Indenter, ASTM/ISO certified IN/7606 1/8" Carbide Ball Indenter, ASTM/ISO certified IN/7706 1/8" Carbide Ball Indenter, ASTM/ISO certified IN/7706 1/8" Carbide Ball Indenter, ASTM/ISO certified IN/7806 C Macro Vickers Indenter Ø6.35mm, ASTM/ISO certified IN/8010 3 Stage A Manual X-Y stage with analogue metric micrometers, 180x160mm IN/8010 Lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ BUSH50 Anvils A Flat anvil 60mm AS3000-19-04 B Flat anvil 80mm AS3000-19-04 B Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 18mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/010 E V block with bracket 40x40x50mm (LxBxH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil 640mm 6-60mm UN-ANVIL/005 H V-anvil 663mm 6-60mm UN-ANVIL/005 (A V-Anvil 680mm 20-140mm UN-ANVIL/050 Anvil for round specimen dia. 6-25,4mm UN-ANVIL/200 M Cylindrical V anvil 6-80mm UN-ANVIL/200 M Cylindrical V anvil 50-200mm		В	1mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified	IN/7000
10mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified IN/7015 1/16" Carbide Ball Indenter, ASTM/ISO certified IN/7506 1/8" Carbide Ball Indenter, ASTM/ISO certified IN/7606 3" Carbide Ball Indenter, ASTM/ISO certified IN/7706 4" Carbide Ball Indenter, ASTM/ISO certified IN/7706 4" Carbide Ball Indenter, ASTM/ISO certified IN/7806 C Macro Vickers Indenter Ø6.35mm, ASTM/ISO certified IN/8010 Stage A Manual X-Y stage with analogue metric micrometers, 180x160mm IN/8010 Lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ BUSH50 Quick change anvil base (required for mounting testing tables, anvils) AS5000-450 Anvils A Flat anvil 60mm AS3000-19-04 B Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 10mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/010 C Spot anvil 10mm UN-ANVIL/010 E V block with bracket 40x40x50mm (Lx8xH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil 6-60mm UN-ANVIL/006 H V-anvil 6-60mm UN-ANVIL/005 H V-anvil 6-80mm UN-ANVIL/045 V -Anvil 60mm 20-140mm UN-ANVIL/050 M Cylindrical V anvil 6-80mm UN-ANVIL/200 M Cylindrical V anvil 6-80mm UN-ANVIL/200 M Cylindrical V anvil 6-80mm UN-ANVIL/200 UN-CVANVIL680			2.5mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified	IN/7005
1/16"Carbide Ball Indenter, ASTM/ISO certified 1/8" Carbide Ball Indenter, AS			5mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified	IN/7010
1/8"Carbide Ball Indenter, ASTM/ISO certified %"Carbide Ball Indenter, ASTM/ISO certified %"Carbide Ball Indenter, ASTM/ISO certified %"Carbide Ball Indenter, ASTM/ISO certified invito			10mm Carbide Ball Indenter Ø6.35mm, ASTM/ISO certified	IN/7015
3 Carbide Ball Indenter, ASTM/ISO certified IN/7706 ½* Carbide Ball Indenter, ASTM/ISO certified IN/7806 C Macro Vickers Indenter Ø6.35mm, ASTM/ISO certified IN/8010 3 Stage A Manual X-Y stage with analogue metric micrometers, 180x160mm Displacement: 25x25mm, scale 0.01mm, max load 300kg UN-XYZ BUSH50 Lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ30FP50-55 Quick change anvil base (required for mounting testing tables, anvils) A55000-450 4 Anvils A Flat anvil 60mm A33000-19-04 8 Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/010 E V block with bracket 40x40x50mm (Lx8xH) UN-VBLOCK404050 E Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 E V-anvil ø40mm 6-60mm UN-ANVIL/005 H V-anvil ø80mm 3.3-20mm UN-ANVIL/040 V-Anvil ø80mm 12-80mm UN-ANVIL/045 V-Anvil ø80mm 20-140mm UN-ANVIL/050 Anvil for round specimen dia. 6-25,4mm UN-CVANVIL/5000 M			1/16" Carbide Ball Indenter, ASTM/ISO certified	IN/7506
%"Carbide Ball Indenter, ASTM/ISO certified IN/7806			1/8" Carbide Ball Indenter, ASTM/ISO certified	IN/7606
C Macro Vickers Indenter Ø6.35mm, ASTM/ISO certified IN/8010 Stage A Manual X-Y stage with analogue metric micrometers, 180x160mm Displacement: 25x25mm, scale 0.01mm, max load 300kg UN-XYZ BUSH50 Lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ30FP50-55 Quick change anvil base (required for mounting testing tables, anvils) AS5000-450 A Isla anvil 80mm UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/011 E V block with bracket 40x40x50mm (LxBxH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil ø40mm 6-60mm UN-ANVIL/006 H V-anvil ø63mm 6-60mm UN-ANVIL/040 J V-Anvil ø80mm 3.3-20mm UN-ANVIL/040 J V-Anvil ø80mm 12-80mm UN-ANVIL/050 L Anvil for round specimen dia. 6-25,4mm UN-ANVIL/200 M Cylindrical V anvil 50-200mm UN-CVANVIL6800 N Cylindrical V anvil 50-200mm UN-CVANVIL6020			1/4" Carbide Ball Indenter, ASTM/ISO certified	IN/7706
3 Stage A Manual X-Y stage with analogue metric micrometers, 180x160mm Displacement: 25x25mm, scale 0.01mm, max load 300kg Lock flange UN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ30FP50-55 Quick change anvil base (required for mounting testing tables, anvils) AS5000-450 B Flat anvil 60mm AS3000-19-04 B Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/011 E V block with bracket 40x40x50mm (LxBxH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil ø40mm 6-60mm UN-ANVIL/005 H V-anvil ø63mm 6-60mm UN-ANVIL/006 U V-Anvil ø80mm 3.3-20mm UN-ANVIL/040 U V-Anvil ø80mm 12-80mm UN-ANVIL/045 K V-Anvil ø80mm 20-140mm UN-ANVIL/050 Anvil for round specimen dia. 6-25,4mm UN-ANVIL/200 M Cylindrical V anvil 6-80mm UN-CVANVIL680 N Cylindrical V anvil 50-200mm			½" Carbide Ball Indenter, ASTM/ISO certified	IN/7806
Displacement: 25x25mm, scale 0.01mm, max load 300kg Lock flange WN-XYZ BUSH50 Mounting plate for lock flange UN-XYZ30FP50-55 Quick change anvil base (required for mounting testing tables, anvils) A55000-450 Anvils Flat anvil 60mm A53000-19-04 B Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/011 E V block with bracket 40x40x50mm (LxBxH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil ø40mm 6-60mm UN-ANVIL/005 H V-anvil ø63mm 6-60mm UN-ANVIL/006 V-Anvil ø80mm 3.3-20mm UN-ANVIL/040 UN-ANVIL/040 UN-ANVIL/045 K V-Anvil ø80mm 20-140mm UN-ANVIL/050 Anvil for round specimen dia. 6-25,4mm UN-CVANVIL680 N Cylindrical V anvil 50-200mm UN-CVANVIL50200		C	Macro Vickers Indenter Ø6.35mm, ASTM/ISO certified	IN/8010
Mounting plate for lock flange Quick change anvil base (required for mounting testing tables, anvils) AS5000-450 AS3000-19-04 B Flat anvil 60mm AS3000-19-04 UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/011 E V block with bracket 40x40x50mm (LxBxH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil ø40mm 6-60mm UN-ANVIL/005 H V-anvil ø63mm 6-60mm UN-ANVIL/006 1 V-Anvil ø80mm 3.3-20mm UN-ANVIL/040 J V-Anvil ø80mm 12-80mm UN-ANVIL/045 K V-Anvil ø80mm 20-140mm UN-ANVIL/050 L Anvil for round specimen dia. 6-25,4mm UN-CVANVIL680 N Cylindrical V anvil 6-80mm UN-CVANVIL680 UN-CVANVIL680 UN-CVANVIL50200	3	Stage A	Manual X-Y stage with analogue metric micrometers, 180x160mm Displacement: 25x25mm, scale 0.01mm, max load 300kg	UN-TESTTABLE/030
Quick change anvil base (required for mounting testing tables, anvils) A 55000-450 A 55000-450 B Flat anvil 60mm B Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/011 E V block with bracket 40x40x50mm (LxBxH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil ø40mm 6-60mm UN-ANVIL/005 H V-anvil ø80mm 3.3-20mm UN-ANVIL/040 J V-Anvil ø80mm 12-80mm UN-ANVIL/045 K V-Anvil ø80mm 20-140mm UN-ANVIL/050 L Anvil for round specimen dia. 6-25,4mm UN-CVANVIL680 N Cylindrical V anvil 50-200mm UN-CVANVIL680 UN-CVANVIL680			Lock flange	UN-XYZ BUSH50
Anvils A Flat anvil 60mm B Flat anvil 80mm UN-TESTTABLE/002 C Spot anvil 5mm UN-ANVIL/010 D Spot anvil 10mm UN-ANVIL/011 E V block with bracket 40x40x50mm (LxBxH) UN-VBLOCK404050 F Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair UN-CROSSBLOCK01 G V-anvil ø40mm 6-60mm UN-ANVIL/005 H V-anvil ø63mm 6-60mm UN-ANVIL/006 UN-ANVIL/040 UN-ANVIL/040 UN-ANVIL/045 K V-Anvil ø80mm 12-80mm UN-ANVIL/050 L Anvil for round specimen dia. 6-25,4mm UN-CVANVIL680 N Cylindrical V anvil 6-80mm UN-CVANVIL680 UN-CVANVIL680			Mounting plate for lock flange	UN-XYZ30FP50-55
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Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair		D	Spot anvil 10mm	UN-ANVIL/011
V-anvil ø40mm 6-60mm		E	V block with bracket 40x40x50mm (LxBxH)	UN-VBLOCK404050
H V-anvil ø63mm 6-60mm		F	Steel, cross type, (X) V-block 60x120x100mm 8-90mm pair	UN-CROSSBLOCK01
V-Anvil ø80mm 3.3-20mm		G	V-anvil ø40mm 6-60mm	UN-ANVIL/005
J V-Anvil ø80mm 12-80mm UN-ANVIL/045 K V-Anvil ø80mm 20-140mm UN-ANVIL/050 L Anvil for round specimen dia. 6-25,4mm UN-ANVIL/200 M Cylindrical V anvil 6-80mm UN-CVANVIL680 N Cylindrical V anvil 50-200mm UN-CVANVIL50200		H	V-anvil ø63mm 6-60mm	UN-ANVIL/006
K V-Anvil ø80mm 20-140mm UN-ANVIL/050 L Anvil for round specimen dia. 6-25,4mm UN-ANVIL/200 M Cylindrical V anvil 6-80mm UN-CVANVIL680 N Cylindrical V anvil 50-200mm UN-CVANVIL50200			V-Anvil ø80mm 3.3-20mm	UN-ANVIL/040
L Anvil for round specimen dia. 6-25,4mm UN-ANVIL/200 M Cylindrical V anvil 6-80mm UN-CVANVIL680 N Cylindrical V anvil 50-200mm UN-CVANVIL50200		J	V-Anvil ø80mm 12-80mm	UN-ANVIL/045
M Cylindrical V anvil 6-80mm UN-CVANVIL680 N Cylindrical V anvil 50-200mm UN-CVANVIL50200		K	V-Anvil ø80mm 20-140mm	UN-ANVIL/050
N Cylindrical V anvil 50-200mm UN-CVANVIL50200		L	Anvil for round specimen dia. 6-25,4mm	UN-ANVIL/200
		M	Cylindrical V anvil 6-80mm	UN-CVANVIL680
To the blood of the second of		N	Cylindrical V anvil 50-200mm	UN-CVANVIL50200
lest table 100x100mm, v grove 20mm wide, 10mm deep UN-1ESTTABLE/040			Test table 100x100mm, V grove 20mm wide, 10mm deep	UN-TESTTABLE/040

	Clamping, locking & fixing adapters	Quick change anvil base (required for mounting testing tables, anvils)	AS5000-450
5	Test tables A	Testing table flat ø200mm, screwfix	UN-TESTTABLE/010
		Testing tabe flat ø235mm, screwfix	UN-TESTTABLE/012
		Quick change anvil base (required for mounting testing tables, anvils)	AS5000-450
	В	Large flat surface testing table 350x250mm, thickness 30mm with 2 T-slots, for large components	UN-TESTTABLE/015
		Large flat surface testing table 450x350mm, thickness 35mm with 2 T-slots, for large components	UN-TESTTABLE/016
6	Fixtures & vices (A)	Polished precision vice with lock down system, jaw width 25mm, opens 20mm	UN-VICE/210
	В	Polished precision vice with lock down system, jaw width 36mm, opens 42mm	UN-VICE/215
	C	Polished precision vice with lock down system, jaw width 48mm, opens 75mm	UN-VICE/220
	D	Polished precision vice with lock down system, jaw width 75mm, opens 100mm	UN-VICE/230
	E	JOMINY Fixture, for 1 quench end test sample, quick release function	UN-JOMFIX1
	F	JOMINY Fixture, for 3 quench end test sample, quick release function	UN-JOMFIX3
7	Machine stand	Cabinet test table with drawer for hardness testers 71x75x80cm	UN-STAND/960
		Seaworthy packing box for 950/960	PACK/100
8	Vibration isolation stage	Passive vibration isolation stage, broad spectrum	UN-AVS-300
	ISO / ASTM Verification	Direct and Indirect Verification/Calibration & BRINELL Certification in compliance with ISO & ASTM, NADCAP.	CALCEFRDW/1B
		Direct and Indirect Verification/Calibration & ROCKWELL Certification in compliance with ISO & ASTM, NADCAP.	CALCEFRDW/1R
	Cover	Anti Static machine cover 800x680x1450mm	UN-TESTERCOVER04

SOFTWARE

Connectivity Plus	Interface cable for PC	UN-CABLE/910	
	Utility software; Import test results in MS applications like Excel	UN-SW/905	
Upgrades	Upgrade Rockwell tester RS to RSB, Brinell scales, analogue microscope	UN-BPACK01	

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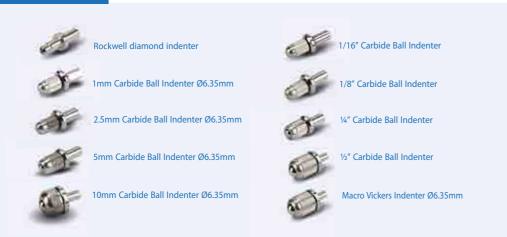
ACCESSORIES

OPTICAL SCANNERS





INDENTERS



STAGE



UN-ANVIL/040

UN-TESTTABLE/030

ANVILS



AS3000-19-04



UN-VBLOCK404050

UN-ANVIL/045



B



UN-TESTTABLE/002



UN-ANVIL/050



(C)







UN-ANVIL/010





UN-ANVIL/011

UN-ANVIL/006

(**D**)

UN-CVANVIL680 UN-CVANVIL50200

TEST TABLES





FIXTURES AND VICES



MACHINE STAND



VIBRATION ISOLATION STAGE



SPECIFICATIONS

HARDNESS SCALES



ROCKWELL EN-ISO 6508, ASTM E18 JIS Z 2245	All Rockwell & Superficial Rockwell scales Pre Load 3kgf & 10kgf Main Load 15kgf, 30kgf, 45kgf, 60kgf, 100kgf & 150kgf
BRINELL EN-ISO 6506, ASTM E10 JIS Z 2243	HBW1/1 HBW1/1.25 HBW1/2.5 HBW1/5 HBW1/10 HBW1/30 HBW2.5/6.25 HBW2.5/15.625 HBW2.5/31.25 HBW2.5/62.5 HBW2.5/7.8125 HBW5/25 HBW5/62.5 HBW5/125 HBW5/250 HBW10/100 HBW10/250
HVD (HVT)	HV5 HV10 HV20 HV25 HV30 HV40 HV50 HV60 HV100 HV120 HV125 HV150
HBD (HBT)	HB1/5 HB1/10 HB1/30 HB2.5/6.25 HB2.5/15.625 HB2.5/31.25 HB2.5/62.5 HB5/25 HB5/62.5 HB5/125 HB5/250 HB10/100 HB10/250
CARBON	HR 2,5/7 HR 5/7 HR 5/15 HR 5/20 HR 5/40 HR 5/60 HR 5/100 HR 5/150 HR 10/20 HR 10/40 HR 10/60 HR 10/100 HR 10/150
CONVERSIONS	Conversion to other hardness scales according to ASTM E140, ISO 18265, GB/T 1172

TEST FORCE



Force application	Load cell, force feedback, closed loop system, fully automatic
Test forces	Pre Load : 3kgf & 10kgf. Main Load : 15kgf, 30kgf, 45kgf, 60kgf, 100kgf & 150kgf
Force range per model	6100RS 3kgf – 150kgf 6100RSB 1kgf – 250kgf
Test force tolerance	<0.5%

SYSTEM



Electronic system	Embedded high quality electronic system with 6,5" full color display, menu structured operating system
Screen(s)	6,5" full color display
Display resolution	Selectable 0.1 or 0.01HR, 0.5HB, others 0.1
Statistics	Total test, max, min, average, range, standard deviation, All in real time after each test
Hardness conversion	Rockwell, Rockwell Superficial, Vickers, Brinell, Knoop, Leeb & Tensile
Software	I-Touch
Connectivity	2 x USB

GENERAL



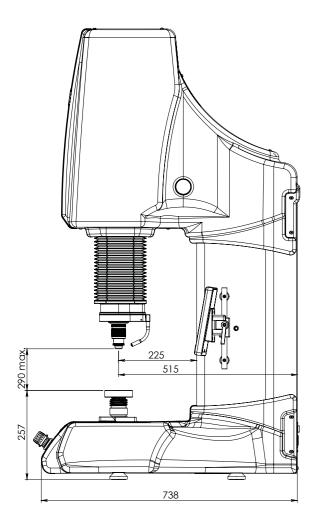
Machine dimension	525 mm x 323 mm x 773 mm
Machine weight	150kg
Power supply	100VAC to 240VAC, 50/60Hz, single phase
Operating temperature	10°C to 35°C, non-condensing
Power consumption	100W
Humidity	10% to 90%, non-condensing

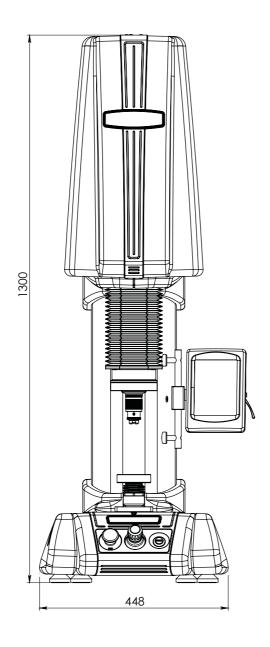
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TECHNICAL DRAWINGS

All dimensions in these drawings are in mm, approximate. Working heights and or workpiece accommodation varies depending on the stages and stage accessories used.

Please contact our sales department for more details.





OTHER MODELS IN THE ROCKWELL RANGE



FENIX 200

Load Cell, closed loop, force feedback, test force application system Rockwell / Brinell hardness tester. See brochure B18F200/XX



NEXUS 605

Load Cell, closed loop Rockwell/Super Rockwell/ Brinell hardness tester, with full color touch screen.

See brochure B18N605/XX



NEXUS 610

Load Cell, closed loop Rockwell/Super Rockwell/ Brinell hardness tester, with integrated PC, Windows 10, wifi etc. full color touch screen. See brochure B18N610/XX



VERZUS 720

Load Cell, closed loop Rockwell/Super Rockwell/ Brinell hardness tester, with direct depth measuring system, integrated PC, Windows 10, wifi, full color touch screen. See brochure B18V710/XX



NEMESIS 6200

Load Cell, Closed loop
Fully automatic Rockwell/ Super
Rockwell (Brinell) hardness
tester with descending test
head & fixed workpiece
position, integrated PC,
Windows 10, Wifi, full color
15 " industrial capacitive touch
screen.

Optional: CNC motorized X-Y stage, overview camera and advanced software (IMPRESSIONS) for automatic pattern testing and fixture recognition.

See brochure B18N6200/XX

Changes in products and/ or product specifications can emerge due to new technologies and continuous development.

We reserve the right to change or modify specifications of the products without prior notice. We recommend you to contact our sales office for up-to-date information.

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