

HR-530 SERIES

ROCKWELL HARDNESS TESTING MACHINE



Rockwell hardness testing machine

HR-530 Series



The HR-530 series offers five different hardness testing methods: Rockwell, Rockwell Superficial, Brinell, Brinell Depth Measurement and Plastic Testing in a single unit. This makes it a versatile tool ready to tackle tasks in production, goods inwards inspection and quality control in general.

HR-530 (No. 810-236)

Maximum workpiece size:
Height 250 mm,
depth 150 mm



HR-530L (No. 810-336)

Maximum workpiece size:
Height 395 mm,
depth 150 mm



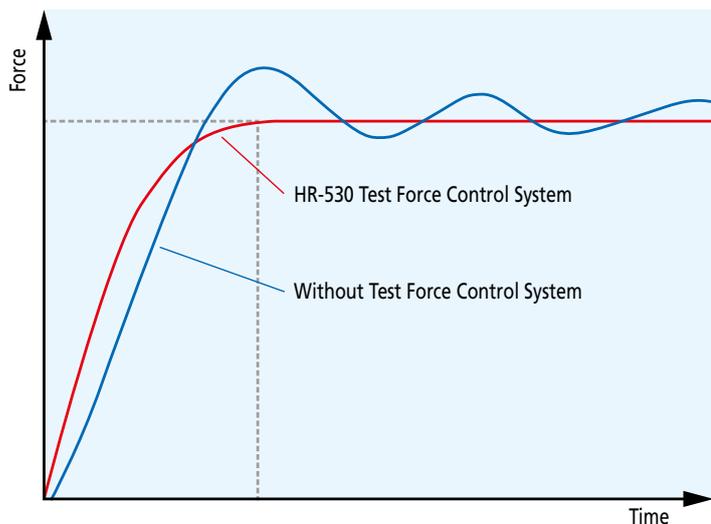
Applicable scales and standards

ISO 6508, JIS 7726	Diamond	1.5875 mm Ball	3.175 mm Ball	6.35 mm Ball	12.7 mm Ball
Rockwell Scales	HRA	HRF	HRH	HRL	HRR
	HRD	HRB	HRE	HRM	HRS
	HRC	HRG	HRK	HRP	HRV
Rockwell Superficial Scales	HR15N	HR15T	HR15W	HR15X	HR15Y
	HR30N	HR20T	HR30W	HR30X	HR30Y
	HR45N	HR45T	HR45W	HR54X	HR45Y

ISO 6506, JIS 7726	1.0 mm Ball	2.5 mm Ball	5.0 mm Ball	10.0 mm Ball
Brinell Scales indentation only	HBW 1/10	HBW 2.5/6.25	HBW 5/25	HBW 10/100
	HBW 1/30	HBW 2.5/15.625	HBW 5/62.5	
		HBW 2.5/31.25	HBW 5/125	
		HBW 2.5/62.5		
		HBW 2.5/187.5		

ISO 2039-2, ASTM D785, JIS K 7202	3.175 mm Ball	6.35 mm Ball	12.7 mm Ball
Rockwell Plastic Test Scales	HRE	HRL	HRR
	HRK	HRM	
Rockwell α Test			(HRR)

VDI/VDE 2616-1	2.5 mm Ball
Brinell depth measurement	HBD 2.5/62.5
	HBD 2.5/187.5



Real time electronic test force control

A unique electronic test force control system is built into the compact body along with an electronic force gage. The test force control prevents the system from applying too much test force at the point of reaching total test force. This overapplication can be seen with conventional hardness testing machines.

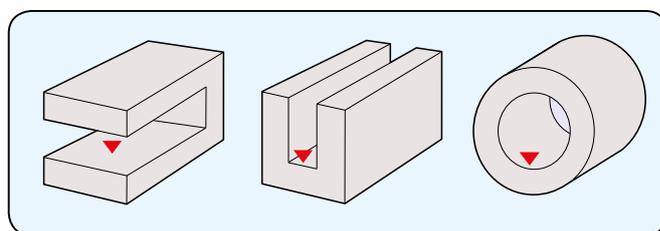
Real time force control provides accurate test force generation and stable time cycle sequences conform to ISO standards.



Inside testing capability

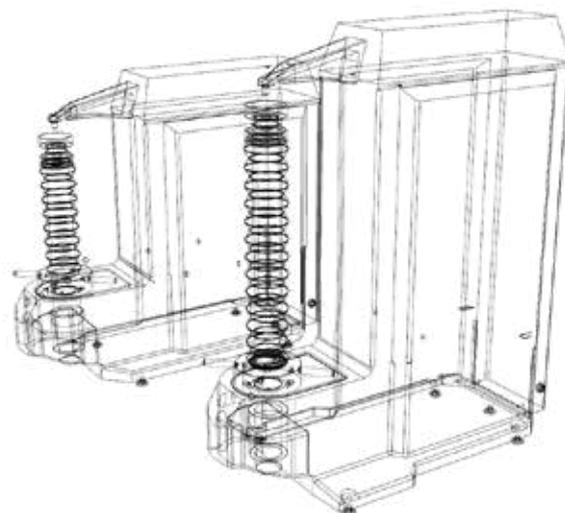
The unique lever arm design allows testing at inside positions without cutting the specimen. The minimum diameter that can be entered by the lever arm with the standard diamond indenter supplied with the machine is 35.0 mm.

The optional short type diamond indenter (Part No. 63DIA007) additionally enables inside testing from Ø22 mm.



Excellent workpiece overview

The lever indenter arm design enables not only interior and exterior measurements but also an excellent specimen surface overview. The functionality is furthermore enhanced by an LED workroom illumination.



Touch panel and display functionality

HR-530 and HR-530L offer rich functionality and excellent operability by using an intuitive user interface with operation screens that can be changed according to purpose of use.



Display unit with highly functional colour touch screen

HR-530 now uses the same user interface as our Vickers testing systems. The 5.7" Colour LCD Touch Screen offers an abundance of functionality. Statistical calculation function and graphic functions can also be displayed.

The display unit can be placed beside the hardness testing machine, or alternatively mounted on top with the included mounting bracket.

Clear structure for setup, information and operation



Standard operating display



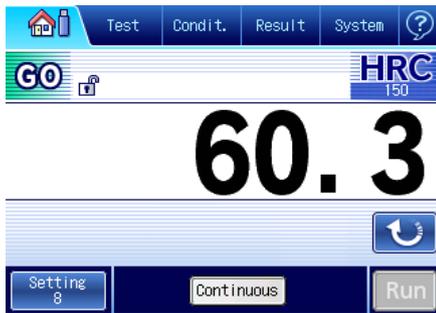
Condition setup tabs

Information block

Basic operation block

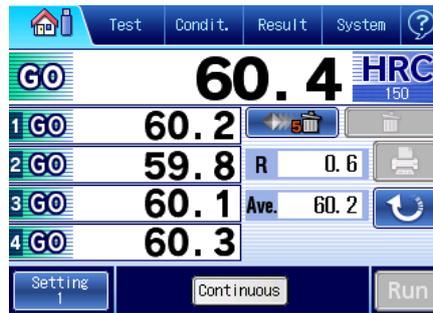
The standard screen, apart from the test result, provides all information like result, conversion Good/Not Good evaluation, radial compensation, setting of data output and much more.

Simple display



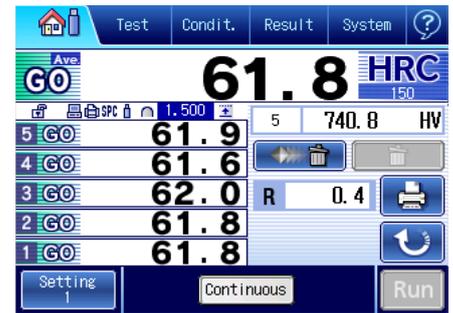
Only displays test result and scale, appropriate for repeated testing under the same conditions.

List display (5-point display)



This view lists results and calculates average and range at the same time to establish the relation between test results in terms of variation and mean value.

List display (mean value)



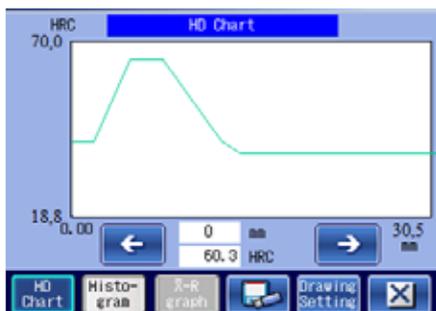
Calculates and displays the mean hardness value out of multiple test points. (mean value)

Multi-point test display for Jominy application



This view is used for the Jominy test or similar applications. The multi-point screen features a navigation function that guides the user to the test position.

Multi-point test display for Jominy application



Touch panel and display functionality

All Rockwell scales on one screen



Directly select the required hardness scale from the menu and have full control over the time cycle settings.

Time cycle setting



Compensation setting

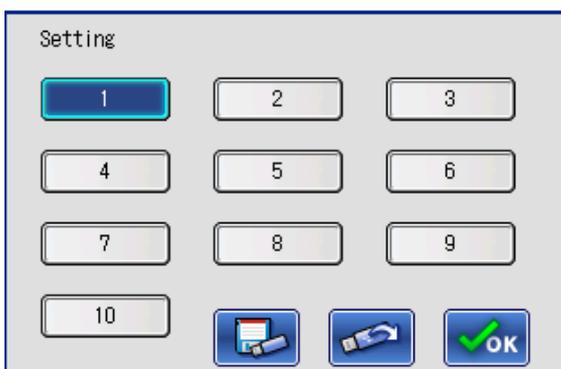


Conversion setting



Curved surface compensation and conversion tables can be set in the menu.

Saving ten user-defined test setups

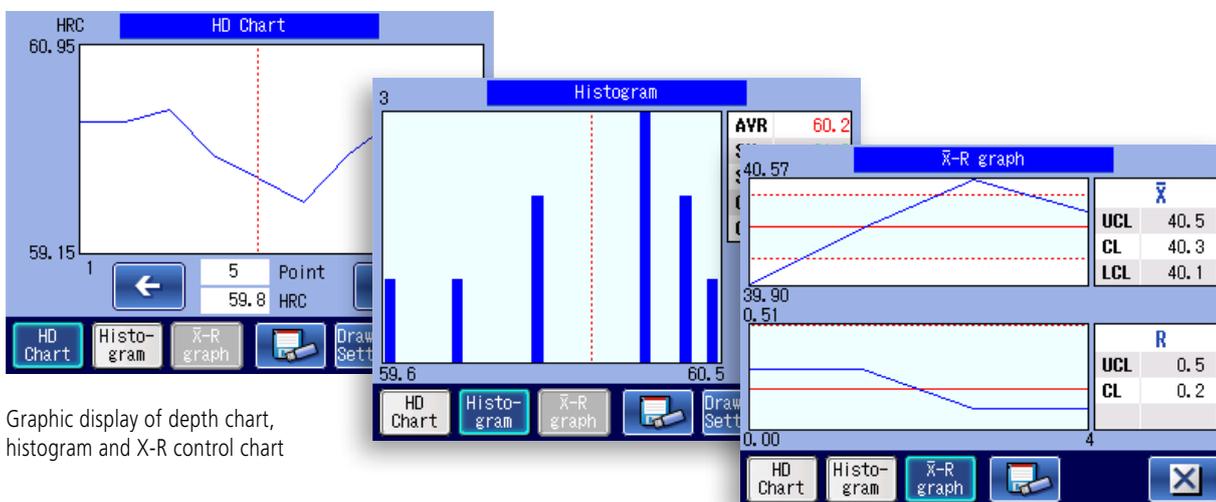


Time-saving storage of user-defined test setups. Test condition files can be stored on a USB memory drive. Conditions can also be set directly from a condition file on the USB stick.

Statistical analysis and data export

Sample No.	316/10240	File Name	05083230
Maximum	60.3	Minimum	60.3
Average	60.3	Range	0.0
SD (n-1)	0.00	SD (n)	0.00
Upper	62.0	Lower	60.0
+NG	0	-NG	0
GO	316	HD Chart	

Quality control requires absolutely flawless documentation of test data. Define all parameters prior to the test. Test result and statistical calculation results can be saved as text files, graphs can be saved as image files. Export to a USB stick is a quick and easy task. The acquired data serve for reporting and calculation. Alternatively the results can be transferred by RS-232C interface, digimatic interface (via USB inputtool) to Excel and by USB to Excel based Expak statistical data processing software. Statistical analysing is accomplished by setting up a X-R control chart.



Graphic display of depth chart, histogram and X-R control chart

Interfacing



The HR-530 provides a variety of interfaces for convenient data transmission.

- USB
Connect to Expak statistical software
- USB stick (Display)
Export data and graphs as text and image files. Test results and statistical calculations results can be saved as text files, graphs can be saved as image files. Export to a USB stick is a quick and easy task.
- RS-232C
Connects to PC (Excel import) or receipt printer
- Digimatic
Connect to PC (Excel import) via USB input tool or to DP-1VA Printer/Data Logger
- Footswitch
Footswitch can be attached for convenient use of the serial test mode

Specifications

Order No.	810-236					810-336				
Model	HR-530					HR-530L				
Hardness testing methods	Rockwell/Rockwell Superficial/Brinell/Brinell Depth/Plastics hardness									
Initial test force (N)	29.42					98.07				
Test force (N)	Rockwell Superficial	147.1		294.2		441.3				
	Rockwell	588.4		980.7		1471				
	Brinell	61.29	98.07	153.2	245.2	294.2	306.5	612.9	980.7	1226 1839
Test force control	Automatic (load/hold/unload)									
Table up/down mechanism	Automatic (automatic braking and load sequencing)									
Control unit	5.7" color touch-panel									
Test force switching	By software setting									
Test force hold time	1 to 120s (Selectable in units of 1s)									
Maximum specimen size	Height: 250 mm Depth: 150 mm					Height: 395 mm Depth: 150 mm				
Permissible inside diameter of a pipe specimen	Minimum hole 35 mm (when using special indenter 22 mm)									
Maximum table loading	20kg									
Ball indenter	Tungsten carbide ball indenter									
Unit (display unit)	metric									
Display	Hardness value, test condition, GO/NG judgment result, statistical calculation result, X-R control chart, hardness conversion value									
	Conversion function [HV, HK, HR (Rockwell hardness A, B, C, D, F, G / Rockwell Superficial 15T, 30T, 45T, 15N, 30N, 45N), HS, HB, tensile strength]									
	GO/NG judgment function									
	Serial test function (for specimen of the same thickness)									
	Cylindrical correction, spherical correction, offset correction, multi-point correction functions									
	Statistical calculation function (Maximum value, minimum value, mean value, standard deviation, upper limit, lower limit, GO count, range, NG count)									
Language support	Japanese, English, German, French, Italian, Spanish, Korean, Traditional Chinese, Simplified Chinese, Turkish, Portuguese, Hungarian, Polish, Dutch, Czech									
	External data output									
	Power supply									
	AC100V, 120V, 220V, 240V Auto-selection									
	External dimensions									
Main unit	250(W) × 667(D) × 621(H) mm					300(W) × 667(D) × 766(H) mm				
Display unit	191(W) × 147(D) × 71(H) mm									
Mass	60 kg					69 kg				

Note: Plastic testing may not be enabled depending on the material.

Standard accessories

Order No.	Item	Description	Order No.	Item	Description	Order No.	Item	Description
19BAA073	Diamond indenter	For Rockwell and Rockwell Superficial testing	383876	Vinyl Cover	For HR-530	-	Hardness test block	30-35HRC
11AAD465	Ball indenter	ø1.5875 mm Tungsten carbide ball	382228	Vinyl Cover	For HR-530L	-	Hardness test block	60-65HRC
810-039	Flat anvil	ø64 mm				-	Hardness test block	90-95HRB
810-042	V-anvil	Specimen ø15 mm min. - ø60 mm max.	02ZAA020*	Power cord	CEE	-	Hardness test block	64-69HR30N
11AAD185	Bracket	Display mounting bracket	02ZAA030*	Power cord	BS	-	Hardness test block	70-79HR15T
						-	Accessory Box	

*Power cord is not included in scope of delivery. Please order additionally according to destination

Optional accessories

Ball indenters for Brinell Test

	Brinell test method									
Test force (N)	61,29	98,07	153,2	245,2	294,2	306,5	612,9	980,7	1226	1839
11AAD469* 1,0mm indenter		HBW1/10			HBW1/30					
11AAD470* 2,5mm indenter	HBW2,5/6,25		HBW2,5/15,625			HBW2,5/31,25	HBW2,5/62,5			HBW2,5/187,5
11AAD471* 5,0mm indenter				HBW5/25			HBW5/62,5		HBW5/125	
11AAD472* 10,0mm indenter								HBW10/100		

*Tungsten carbide ball without certificate

Optional accessories

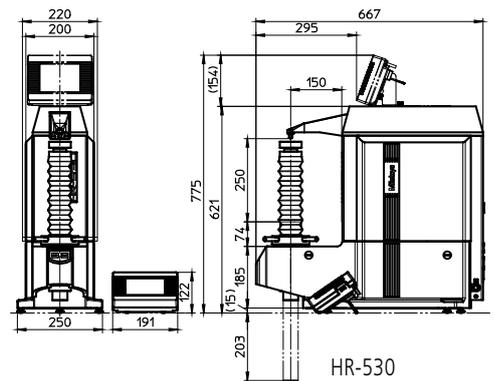
Ball indenters for Rockwell Test

Test force (N)	Rockwell Superficial test method			Superficial test method		
	147,1	294,2	441,3	588,4	980,7	1471
11AAD465* 1,5875mm indenter	HR15TW	HR30TW	HR15TW	HRFW	HRBW	HRGW
11AAD466* 3,175mm indenter	HR15WW	HR30WW	HR15WW	HREW	HRFW	HRKW
11AAD467* 6,35mm indenter	HR15XW	HR30XW	HR15XW	HRLW	HRMW	HRPW
11AAD478* 12,7mm indenter	HR15YW	HR30YW	HR45YW	HRRW	HRSW	HRVW

*Tungsten carbide ball without certificate

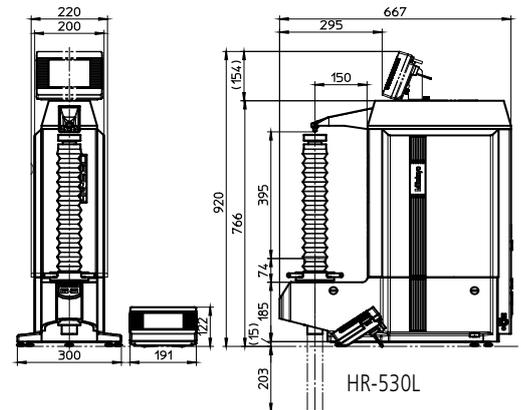
Replacement tungsten carbide balls for Brinell Test

Order No.		
63BAL001	Carbide Ball Brinell ISO 6506-2 Ø1.0 mm	with DAkkS certificate
63BAL002	Carbide Ball Brinell ISO 6506-2 Ø2.5 mm	with DAkkS certificate
63BAL003	Carbide Ball Brinell SO 6506-2 Ø5.0 mm	with DAkkS certificate
63BAL004	Carbide Ball Brinell ISO 6506-2 10.0 mm	with DAkkS certificate
63BAL009	Carbide Ball Brinell ASTM E-10 Ø1.0 mm	with DAkkS certificate
63BAL010	Carbide Ball BrinellASTM E-10 Ø2.5 mm	with DAkkS certificate
63BAL011	Carbide Ball Brinell ASTM E-10 Ø5.0 mm	with DAkkS certificate
63BAL012	Carbide Ball Brinell ASTM E-10 Ø10.0 mm	with DAkkS certificate



Replacement tungsten carbide balls for Rockwell Test

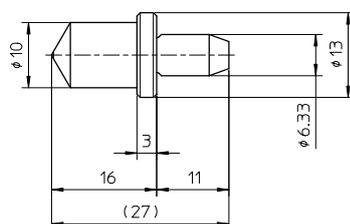
Order No.		
63BAL005	Carbide Ball Rockw. ISO 6508-2 Ø1.5875 mm	with DAkkS certificate
63BAL006	Carbide Ball Rockw. ISO 6508-2 Ø3.175 mm	with DAkkS certificate
63BAL007	Carbide Ball Rockw. ISO 6508-2 Ø6.35 mm	with DAkkS certificate
63BAL008	Carbide Ball Rockw. ISO 6508-2 Ø12.7 mm	with DAkkS certificate
63BAL013	Carbide Ball Rockw. ASTM E-18 Ø1.5875 mm	with DAkkS certificate
63BAL014	Carbide Ball Rockw. ASTM E-18 Ø3.185 mm	with DAkkS certificate
63BAL015	Carbide Ball Rockw. ASTM E-18 Ø6.35 mm	with DAkkS certificate
63BAL016	Carbide Ball Rockw. ASTM E-18 Ø12.7 mm	with DAkkS certificate



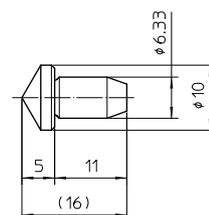
Replacement diamond indenters for Rockwell Test

Order No.	Description	Description
63DIA001	Diamond Indenter Rockw. ISO 6508-2 HRA HRC HRD HRN	with DAkkS certificate and Function test Table 4, standard shape
63DIA021	Diamond Ind. Rockw. ISO 6508-2 HRA HRC HRD	with DAkkS certificate and Function test Table 5, standard shape
63DIA022	Diamond Ind. Rockw. Superficial ISO 6508-2 HRN	with DAkkS certificate and Function test Table 6, standard shape
63DIA002	Diamond Ind. Rockw. ISO 6508-2	with DAkkS cert. without Function test, standard shape
63DIA004	Diamond Indenter Rockw. ASTM E-18	with DAkkS certificate and Function test, standard shape
63DIA006	10HRC Diamond Indenter Rockwell ISO 6508-2	with DAkkS certificate and Function test, standard shape
63DIA007	HR-500 Diamond Indenter Rockwell ISO 6508-2	with DAkkS cert. without Function test, short type HR-500 only
63DIA009	Diamond Indenter Rockwell ISO 6508-2	with DAkkS certificate and Function test w = 6mm, slim type

Standard shape diamond indenter 63DIA001–63DIA006



Short type diamond indenter 63DIA007 for inside testing from 22mm



Optional accessories

Hardness test blocks Rockwell



Order No.	Description	
63ETB001	31 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB002	42 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB003	53 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB005	60 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB008	65 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB011	70 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB013	76 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB018	85 HRA HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB021	40 HRBW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB023	65 HRBW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB025	85 HRBW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB027	90 HRBW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB028	95 HRBW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB029	100 HRBW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB031	20 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB033	25 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB034	30 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB035	35 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB036	40 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB037	45 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB038	50 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB039	55 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB040	60 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB042	65 HRC HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB045	40 HRD HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB046	44 HRD HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB048	52 HRD HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB049	56 HRD HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB050	60 HRD HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB052	67 HRD HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB056	77 HRD HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB059	81 HREW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB060	86 HREW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB065	80 HRFW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB066	94 HRFW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB071	32 HRGW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB072	58 HRGW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB073	66 HRGW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB074	74 HRGW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB075	83 HRGW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB082	56 HRKW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.

Order No.	Description	
63ETB085	95 HRKW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB085	95 HRKW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB086	99 HRKW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB088	69 HR15N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB089	72 HR15N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB091	78 HR15N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB092	81 HR15N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB094	85 HR15N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB096	90 HR15N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB099	93 HR15N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB101	41 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB102	46 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB103	50 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB104	55 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB105	59 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB106	64 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB107	68 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB108	73 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB109	77 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB112	83 HR30N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB114	19 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB115	25 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB116	31 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB117	37 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB118	43 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB119	49 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB120	55 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB121	61 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB122	66 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB123	70 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB125	74 HR45N HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB128	73 HR15TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB130	82 HR15TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB131	88 HR15TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB132	90 HR15TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB134	93 HR15TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB139	43 HR30TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB141	60 HR30TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB142	73 HR30TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm alu.
63ETB143	76 HR30TW HTB Rockwell ISO 6508-3	with DAkkS certificate 60x60x16mm steel
63ETB145	83 HR30TW HTB Rockwell non standard	with works certificate 60x60x16mm steel

For a wider selection of hardness test blocks, in all scales and test methods, please request our hardness testing machines PRE1442 and hardness test block PRE1475 brochures.

All test blocks are Made in Germany and supplied with certificate and protective case.

Optional accessories

Round table

810-038 Outside ϕ 250 mm



For large specimens such as molded items

Round table

810-037 Outside ϕ 180 mm



For large specimens such as molded items

V-anvil (large)

810-040

(Outside ϕ 40 mm,
Groove width 30 mm)



For round specimens (max. ϕ 60 mm)

V-anvil (small)

810-041

(Outside ϕ 40 mm,
Groove width 6 mm)



For shaft materials (max. ϕ 8.4 mm)

Spot anvil

810-043

(Outside ϕ 12 mm)



Spot anvil

810-044

(Outside ϕ 5.5 mm)

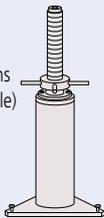
For sheet specimens



Jack rest

810-028

For supporting long specimens
(Used with anvil or round table)



Vibration isolator

810-643

Only for mounting hardness testing machines

VARI-REST

810-027

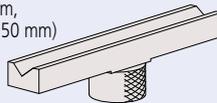


For testing long specimens (commonly used
for the anvil)

Special V-anvil

810-029

(Length 400 mm,
Groove width 50 mm)



For round specimens ϕ 14-98 mm

**Fine-adjustment table
for Jominy testing**

810-700

ISO 642, ASTM A255,
JIS G 0561, EN 10083-2



Diamond-spot anvil

810-030

(Outside ϕ 10 mm)

For sheet specimens



*Dedicated to the Rockwell Superficial hardness test

Small V-anvil

810-042

(Outside ϕ 10 mm)

For round specimens (max. ϕ 16 mm)



Testing machine table

11AAD186

Supplied with a
fall-prevention bracket

Testing machine
table



Digimatic data logger and printer

DP-1VA

264-505D

No connection cable supplied. (To be ordered separately.)

Connection cable (1m) **12AAJ323**



Printer

DPU-414

11AAD452

with connection cable (**11AAD540**)



USB Direct Input Tool

06AFM380D

For connection to a USB port
on a PC.

Data processing software

11AAC237

Foot switch

11AAD537





**Whatever your challenges are,
Mitutoyo supports you from start to finish.**

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver bespoke measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.



**Find additional product literature
and our product catalogue**

www.mitutoyo.eu

Note: Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.
MITUTOYO and MiCAT are either registered trademarks or trademarks of Mitutoyo Corp. in Japan and/or other countries/regions. Other product, company and brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holders.

Mitutoyo

Mitutoyo Europe GmbH

Borsigstraße 8-10
41469 Neuss

Tel. +49 (0) 2137-102-0
Fax +49 (0) 2137-102-351

info@mitutoyo.eu
www.mitutoyo.eu