

MODELS : RAS, RAB-1, RAB-250, TWIN



Model : RAS



Model : TWIN



Model : RAB-250

ROCKWELL, ROCKWELL BRINELL COMBINED,
ROCKWELL/ROCKWELL SUPERFICIAL COMBINED
SYSTEM HARDNESS TESTERS



Features :

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SYSTEM HARDNESS TESTERS**

SAROJ Hardness Testers, Model RAS, RAB-1, RAB-250, TWIN are manually operated . All these models are suitable for testing hardness of metal sand alloys of all kinds hard or soft, whether flat, round or irregular shape. These testers are simple in design and easy to operate, yet sensitive and accurate. Various models from the wide range are suitable for schools, laboratories, inspection, heat treatment departments, factories etc.

These testers strictly confirms to IS:1586-2000, ASTM:E 18 for Rockwell Superficial Test and IS:2281-2005, ASTM:E 10 for Brinell Test.

<p>MODEL RAS :</p> <p>Automatic load selection with automatic zero setting dial gauge.</p> <p>Manual Operation.</p>	<p>MODEL RAB-1 :</p> <p>Automatic load selection and automatic zero setting dial gauge. Facility for Brinell tests with 187.5 kgf. load with 2.5 mm ball indicator, additional load 250 kgf. with 5mm ball indenter for testing hardness of non-ferrous metals.</p>	<p>MODEL TWIN :</p> <p>Automatic load selection with automatic Zero setting dial gauge.</p> <p>Manual operation.</p> <p>Diamond holder is guided in a ball cage, which enables testing of small pins having dia. less than 6mm (upto 3mm dia.)</p>
<p>MODEL RAB-250 :</p> <p>Similar to RAB-1, but of bigger capacity. Diamond holder is guided in ball cage, which enables testing of small pins having dia less than 6mm (upto 3mm dia.)</p>		

Standard Accessories :

MODEL	RAS	RAB-1/RAB-250	TWIN
Testing table 50mm dia.	1 Pc.	1 Pc.	1 Pc.
Testing table 38mm dia with 'V' groove for round jobs 6 to 45mm dia.	1 Pc.	1 Pc.	1 Pc.
Diamond Indentor 120°	1 Pc.	1 Pc.	1 Pc.
Steel ball Indentor 1/16"	1 Pc.	1 Pc.	1 Pc.
Test Block Rockwell 'C'	1 Pc.	1 Pc.	1 Pc.
Test Block Rockwell 'B'	1 Pc.	1 Pc.	1 Pc.
Test Block Rockwell Superficial 'N'	NIL	NIL	1 Pc.
Allen Spanners	5 Pcs.	5 Pcs.	5 Pcs.
Clamping Device	1 Pc.	1 Pc.	1 Pc.
Dash Pot Oil	1 Bottle	1 Bottle	1 Bottle
Rubber below for elevating screw protection	1 Pc.	1 Pc.	1 Pc.
Instruction Manual	1 Book	1 Book	1 Book
Brinell Microscope	NIL	1 Pc.	NIL
Stell Ball Indentor 2.5mm	NIL	1 Pc.	NIL
Test Block HB 2.5/187.5	NIL	1 Pc.	NIL
Stell Ball Indentor 5mm	NIL	1 Pc.	NIL

HARDNESS TESTERS

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Model : TWIN



Model : RAB-250

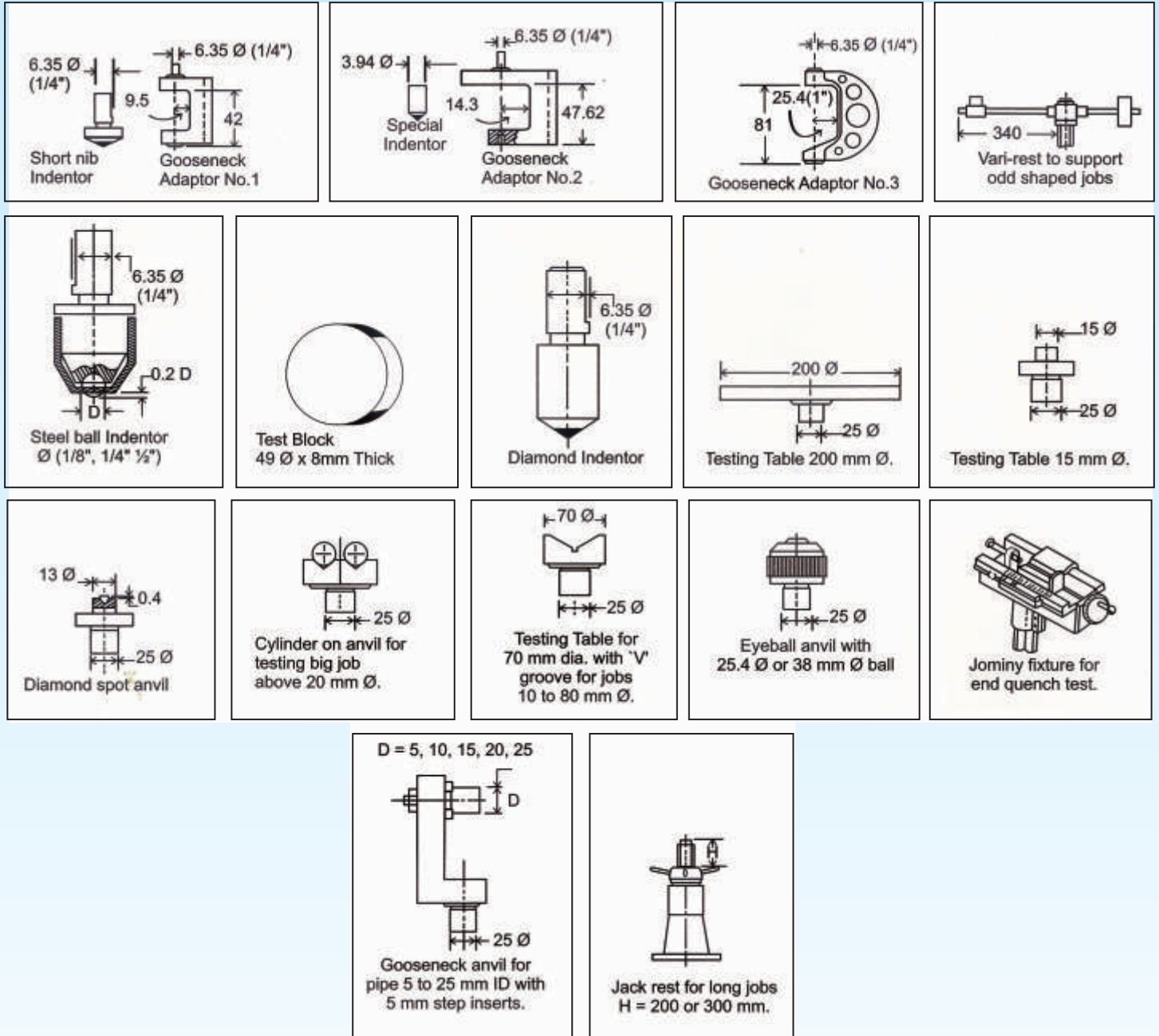
Technical Data :

MODEL	UNIT	RAS	RAB-1	RAB-250	TWIN
Loads	kgf.	60, 100, 150	60, 100, 150, 187.5, 250	60, 100, 150, 187.5, 250	15, 30, 45, (Rockwell Superficial) 60, 100, 150 (Rockwell)
Initial Load	kgf.	10	10	10	3 (Rockwell Superficial) 10 (Rockwell)
Max. Test Height	mm	230	230	330	330
Depth of throat	mm	133	133	150	150
Max. depth of elevating screw below base	mm	240	240	355	355
Size of base (approx.)	mm	170x430	170x430	210x474	210x474
Machine Height (approx.)	mm	655	655	850	850
Net Weight (approx.)	mm	65	65	100	100

Loads and Indentors for 'SARAJ' Hardness Testers for Rockwell and Brinell Tests.

Total load in kgf. (Initial load 10 kgf.)	60	100	150	187.5	250
Indentor	Diamond 120°	Ball 1/16 Ø	Diamond 120°	Ball 2.5 mm Ø	Ball 5 mm
Test Scales	Rockwell A	Rockwell B	Rockwell C	Brinell, F/D ² =30	Brinell, F/D ² =10
Suitable for	Tests on case hardness steel	Annealed, ferrous and non ferrous metals	Annealed, hardened and tempered deep case hardened steel	Annealed steel and cast irons	Copper, Copper alloys and Al. alloys

Use of combinations of 60, 100 & 150 kgf. loads against Diamond Indentor and 1/16" steel ball indentor permit carrying out tests on Rockwell D, F & G scales. By use of 1/8", 1/4" & 1/2" dia ball indentors in combinations of 60, 100 & 150 kgf. loads, tests can be carried out on Rockwell E, H, K, L, M, P, R, S & V scales also.



Due to constant R & D, specifications and features are subject to change without notice. The dimension given are approximate.

Manufactured by :

SAROJ

Saroj Engineering Udyog Pvt. Ltd.

Plot No. 41/42, Industrial Estate,
Jaysingpur-416 144, Maharashtra State, INDIA
Tel : +91-2322-221044, Fax : +91-2322-221016
E-mail : saroj_eqpl@dataone.in

Sold & Serviced by :

FIE

Fuel Instruments & Engineers Pvt. Ltd.

Plot No. 68 & 89, Parvati Co-op. Ind. Estate,
Yadav-416 145 (Ichalkaranji), Tal : Shirol,
Dist : Kolhapur, Maharashtra State (INDIA)
Tel : +91-2322-252137, Fax : +91-2322-252397, Cell : +91 98223 94981
E-mail : mrk@fietest.com, Web : www.fietest.com / www.fuelinstrument.com