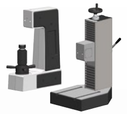
670H / 460L

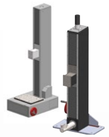
Stand support for magnet
670H High stand / stroke 390 mm
460L Regular stand / stroke 180 mm

206RSD / 330RSD



Stand support for RSDMAG head
206RSD Elevating screw / stroke 215 mm
330RSD Big base / stroke 300 mm

903RSD / 331RSD



Stand support for RSDMAG head
903RSD Big base / stroke 700mm
330RSD Base for rings / stroke 700 mm

RSDMAG D2 - From 588.4 to 1471 N (60 - 187.5 kgf)

RSDMAG D4 - From 147.1 to 441.3 N (15 - 45 kgf)

Combine the RSDMAG head with the base that better fits the shape and geometry of your test sample.

SMX30

300mm / 11.8" magnetic base for HR/HB tests on samples more than 20mm / 0.8" thick

SMX50

500mm / 19.7" magnetic base for HR/HB tests on samples less than 20mm / 0.8" thick

SMX55

Magnetic base with 10mm / 0.4" horizontal stroke sliding head for multi indentation

SMX70

Double magnetic clamping base for big or small diameters round shaped samples

SMX80

Chain clamping base for non ferrous samples

SMX90

Electromagnetic base with rechargable battery.

RSDMAG D2/30 - D4/30

RSDMAG D2/50 - D4/50

RSDMAG D2/55 - D4/55

RSDMAG D2/70 - D4/70

RSDMAG D2/80 - D4/80

RSDMAG D2/90 - D4/90

FORCE RANGE	RSDMAG D4	RSDMAG D2
Preload:	29.42 N (3 kgf)	98.07N (10 kgf)
Rockwell:	---	588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf)
Superficial Rockwell:	147.1 - 294.2 - 441.3 N (15 - 30 - 45 kgf)	---
Brinell:	153.2 - 294.2 - 306.5 N (15.625 - 30 - 31.25 kgf)	98.07 - 612.9 - 1226 - 1839 N - as option 2452 N (10 - 62.5 - 125 - 187.5 kgf - as option 250 kgf)
Vickers/Knoop:	29.42 - 147.1 - 294.2 N (3 - 15 - 30 kgf)	98.07 - 588.4 - 980.7 N (10 - 60 - 100 kgf)

FEASIBLE TESTS	RSDMAG D4	RSDMAG D2
Rockwell:	---	HRA - HRB - HRC - HRD - HRF - HRG - HRL - HRM - HRR
Superficial Rockwell:	HR15N - HR30N - HR45N - HR15T - HR30T - HR45T - HR15W - HR30W - HR45W - HR15X - HR30X - HR45X - HR15Y - HR30Y - HR45Y	---
Brinell HBWT:	1/30 - 2.5/15.6 - 2.5/31.5	5/125(3), 2.5/62.5(2) and 2.5/187.5(6) (Aluminum and its alloys) - 2.5/187.5(5) (Carbon steel) - 2.5/187.5(1) (Cast iron)
Vickers/Knoop:	Generate indentation HV3 - HV15 - HV30	Generate indentation HV10 - HV60 - HV100
Temperature:	Measure test temperature range from - 40.0 to + 80.0 °C	Measure test temperature range from - 40.0 to + 80.0 °C

TECHNICAL DATA	
Conformity Standards:	EN-ISO 6506-2 / EN-ISO 6507-2 / EN-ISO 6508-2 / ASTM-E10 / ASTM-E18 / ASTM-E103 / ASTM-E384 / JIS
Load accuracy:	Better than 0.5 %
Readout Division:	0.1 HR / HBWT
Indenter Stroke:	50mm / 2"
Temperature Range:	From 10 °C to 35 °C
Power Supply - Data Output:	RS 232 C (USB as option) - Battery 6 V + Charger
Software:	Affri - OMAG
Principle of Operation:	Dynamometric Load Cell
Fields Of Use	Tests in laboratory or in loco on tubes, profiles, valves bulky or small pieces. For all metals: iron, steel, tempered steel, cast iron, brass, aluminium, copper and metal alloys with a more than 0.6 mm thickness. Heat treatment, hardening, nitriding, cementation and hardfacing with less than 0.6 mm depth (RSD MAG D4).
Packing:	50 x 40 x 60 cm / 20 x 18 x 23" - 35kg

	670H (Stand support for RSDMAG)	460L (Stand support for RSDMAG)
Height Capacity:	390 mm / 15.3"	180 mm / 7.1"
Depth Capacity:	232 mm / 9.1"	204 mm / 8.0"

AFFRI®

STEELS AND CAST IRON (HS)

VICKERS HV30	BRINELL HBW	For Rs	SHORE D	ROCKWELL C	ROCKWELL D	ROCKWELL A	SUPERFICIAL ROCKWELL 45N	SUPERFICIAL ROCKWELL 30N	SUPERFICIAL ROCKWELL 15N
1720									
1663									
1556									
1479									
1400									
1323									
1250									
1180									
1076									
1004									
940				68	77	85.5	75.5	84.5	93.3
900				67	76.5	85	74.5	83.5	93
870				66	76	84.5	74	83	92.5
840				65	75.5	84	73	82.5	92
813				64	74	83.5	72	81	91.5
787				63	73	82	70	80	91.5
752				62	72.5	82.5	69	79	91
739				61	72	81.5	67.5	78.5	90.5
722				60	71.5	81	66.5	77.5	90
695				59	71	80.5	65.5	76.5	
677				58	70	80	64	75.5	
664				57	69.5	79.5	63	75	89
652				56	69	79	62	74	88.5
638				55	68.5	78.5	61	73	88
627				54	68	78	60	72	87.5
614				53	67.5	77.5	59	71	87
601				52	67	77	57.5	70.5	86.5
590				51	66.5	76.5	56.5	69.5	86
578				50	66	76	55	68.5	85.5
568				49	65.5	75.5	54	67.5	85
559				48	65	75	53	66.5	84.5
550	497		74	47	64.5	74	52	65.5	84
542	485		72	46	64	73.5	51	64.5	83.5
526	475		70	45	63.5	73	50	63.5	83
516	464		69	44	63	72.5	49	62.5	82.5
505	452		68	43	62.5	72	48	62	82
496	441		67	42	62	71.5	47	61.5	81.5
488	433		66	41	61.5	71	46	61	81
480	425		65	40	61	70.5	45	60.5	80.5
473	415		64	39	60.5	70	44.5	60	80
465	410		63	38	60	69.5	44	59.5	79.5
456	401		62	37	59.5	69	43	58.5	79
448	391		61	36	59	68.5	42	58	78.5
441	383		60	35	58.5	68	41	57.5	78
433	372		59	34	58	67.5	40	56.5	77.5
425	363		58	33	57.5	67	39	55.5	77
415	354		57	32	57	66.5	38	55	76.5
405	345		56	31	56.5	66	37	54	76
397	336		55	30	56	65.5	36	53.5	75.5
388	327		54	29	55.5	65	35	53	75
379	318		53	28	55	64.5	34	52	74.5
369	310		52	27	54.5	64	33	51.5	74
360	302		51	26	54	63.5	32	51	73.5
350	294		50	25	53.5	63	31	50.5	73
341	286		49	24	53	62.5	30	50	72.5
331	279		48	23	52.5	62	29	49	72
322	272		47	22	52	61.5	28	48.5	71.5
313	266		46	21	51.5	61	27	48	71
303	260		45	20	51	60.5	26	47.5	70.5
294	254		44	19	50.5	60	25	47	70
284	248		43	18	50	59.5	24	46.5	69.5
275	243		42	17	49.5	59	23	46	69
267	238		41	16	49	58.5	22	45.5	68.5
257	230		40	15	48.5	58	21	45	68
246	222		39	14	48	57.5	20	44.5	67.5
237	213		38	13	47.5	57	19	44	67
229	204		37	12	47	56.5	18	43.5	66.5
221	196		36	11	46.5	56	17	43	66
215	188		35	10	46	55.5	16	42.5	65.5
208	180		34	9	45.5	55	15	42	65
201	173		33	8	45	54.5	14	41.5	64.5
194	166		32	7	44.5	54	13	41	64
188	160		31	6	44	53.5	12	40.5	63.5
182	155		30	5	43.5	53	11	40	63
177	151		29	4	43	52.5	10	39.5	62.5
171	147		28	3	42.5	52	9	39	62
166	143		27	2	42	51.5	8	38.5	61.5
161	139		26	1	41.5	51	7	38	61
156	135		25	0	41	50.5	6	37.5	60.5
152	131		24		40.5	50	5	37	60
147	128		23		40	49.5	4	36.5	59.5
143	124		22		39.5	49	3	36	59
139	121		21		39	48.5	2	35.5	58.5
135	117		20		38.5	48	1	35	58
131	114		19		38	47.5	0	34.5	57.5
128	111		18		37.5	47		34	57
125	107		17		37	46.5		33.5	56.5
121	104		16		36.5	46		33	56
118	101		15		36	45.5		32.5	55.5
116	99		14		35.5	45		32	55
113	96		13		35	44.5		31.5	54.5
110	94		12		34.5	44		31	54
107	92		11		34	43.5		30.5	53.5
105	89		10		33.5	43		30	53
102	87		9		33	42.5		29.5	52.5
100	85		8		32.5	42		29	52
98	83		7		32	41.5		28.5	51.5
95	81		6		31.5	41		28	51
93	79		5		31	40.5		27.5	50.5
91	77		4		30.5	40		27	50
89	75		3		30	39.5		26.5	49.5
87	74		2		29.5	39		26	49
85	72		1		29	38.5		25.5	48.5
83	71		0		28.5	38		25	48
81	69				28	37.5		24.5	47.5
80	68				27.5	37		24	47
78	66				27	36.5		23.5	46.5
76	65				26.5	36		23	46
75	63				26	35.5		22.5	45.5
73	62				25.5	35		22	45
72	60				25	34.5		21.5	44.5
70	59				24.5	34		21	44
69	58				24	33.5		20.5	43.5
67	56				23.5	33		20	43
66	55				23	32.5		19.5	42.5
65	54				22.5	32		19	42
63	53				22	31.5		18.5	41.5
62	52				21.5	31		18	41
61	51				21	30.5		17.5	40.5
60	50				20.5	30		17	40
59	49				20	29.5		16.5	39.5
58	48				19.5	29		16	39
57	47				19	28.5		15.5	38.5
56	46				18.5	28		15	38
55	45				18	27.5		14.5	37.5
54	44				17.5	27		14	37
53	43				17	26.5		13.5	36.5
52	42				16.5	26		13	36
51	41				16	25.5		12.5	35.5
50	40				15.5	25		12	35
49	39				15	24.5		11.5	34.5
48	38				14.5	24		11	34
47	37				14	23.5		10.5	33.5
46	36				13.5	23		10	33
45	35				13	22.5		9.5	32.5
44	34				12.5	22		9	32
43	33				12	21.5		8.5	31.5
42	32				11.5	21		8	31
41	31				11	20.5		7.5	30.5
40	30				10.5	20		7	30
39	29				10	19.5		6.5	29.5
38	28				9.5	19		6	29
37	28				9	18.5		5.5	28.5
36	27				8.5	18		5	28
35	26				8	17.5		4.5	27.5
34	26				7.5	17		4	27
33	25				7	16.5		3.5	26.5
32	24				6.5	16		3	26
31	24				6	15.5		2.5	25.5
30	23				5.5	15		2	25
29	23				5	14.5		1.5	24.5
28	22				4.5	14		1	24
27	21				4	13.5		0.5	23.5
26	21				3.5	13		0	23
25	20				3	12.5			
24	20				2.5	12			
23	19				2	11.5			
22	19				1.5	11			
21	18				1	10.5			
20	18				0.5	10			
19	17				0	9.5			
18	17					9			
17	16					8.5			
16	16					8			
15	15					7.5			
14	15					7			
13	14					6.5			
12	14					6			
11	13					5.5			
10	13					5			
9	12					4.5			
8	12					4			
7	11					3.5			
6	11					3			
5	10					2.5			
4	10					2			
3	9					1.5			
2	9					1			
1	8					0.5			
	8					0			
N/mm²	Kg/mm²	HV30	HB30	C	D	A	45N	30N	15N

HARDNESS CONVERSION TABLES FOR METALS

SCALE	INDENTER	FORCE
ROCKWELL		N
HRC	∇ 120°	1471
HRA	∇ 120°	588
HRD	∇ 120°	981
HRB	Ø 1/16"	981
HRE	Ø 1/8"	981
HRF	Ø 1/16"	588
HRG	Ø 1/16"	1471
HRK	Ø 1/8"	1471
Superficial ROCKWELL		
HR15N	∇ 120°	147
HR30N	∇ 120°	294
HR45N	∇ 120°	441
HR15T	Ø 1/16"	147
HR30T	Ø 1/16"	294
HR45T	Ø 1/16"	441
BRINELL		
ball	Ø 10	(HB 30) 29430
	Ø 5	(HB 30) 7357
	Ø 2.5	(HB 30) 1839
	Ø 2.5	(HB 10) 613
	Ø 10	(HB 5) 4905
	Ø 5	(HB 5) 1226
	Ø 2.5	(HB 5) 306
VICKERS		
diamond	∇ 136°	981
	∇ 136°	147
	∇ 136°	294
	∇ 136°	588

Minimum thickness measurable

ROCKWELL ∇ Diam

F	HRC					
	20	30	40	50	60	70
HR15N	0.41	0.33	0.26	0.19	0.14	0.09
HR30N	0.69	0.58	0.47	0.36	0.26	0.17
HR45N	0.91	0.77	0.63	0.50	0.37	0.25
HRA	1.0	0.9	0.8	0.7	0.6	0.5
HRC	1.8	1.6	1.4	1.2	1.0	0.8
METALTESTER	0.38	0.32	0.26	0.20	0.14	0.08

Minimum thickness measurable

BRINELL

Ø	F	HB								
mm	N	40	60	80	100	150	200	300	400	500
2.5	1839	(HB / 30)			2.40	1.60	1.20	0.80	0.60	0.48
5	1226	2.0	1.3	1.0	0.80	0.53			(HB / 5)	
10	9810	8.0	5.3	4.0	3.2	2.1	1.6		(HB / 10)	
10	29430	(HB / 30)			9.6	6.3	4.8	3.2	2.4	1.9
METALTESTER		Scale 80-500	0.63	0.53	0.42	0.32	0.26	0.16	0.10	
		0.53	0.42	0.32	0.27	0.15	0.10	Scale 40 - 200		

Minimum thickness measurable

VICKERS ∇ Diam

F	HV								
Kg	20	50	100	200	300	400	600	800	1000
HV0.200	0.19	0.12	0.09	0.06	0.05	0.04	0.04	0.03	0.03
HV1	0.43	0.28	0.19	0.14	0.12	0.10	0.08	0.07	0.06
HV2	0.62	0.39	0.28	0.19	0.16	0.14	0.12	0.10	0.09
HV5	1.0	0.62	0.44	0.31	0.25	0.22	0.18	0.15	0.14
HV10	1.4	0.87	0.62	0.43	0.36	0.31	0.25	0.22	0.19
METALTESTER	0.70	0.60	0.50	0.37	0.32	0.26	0.18	0.08	0.06
METALTESTER2	0.65	0.55	0.45	0.30	0.28	0.20	0.10	0.06	0.05

NO IRON METALS (SS)

VICKERS	BRINELL	ROCKWELL G	ROCKWELL B	ROCKWELL A	SUPERFICIAL ROCKWELL 45T	SUPERFICIAL ROCKWELL 30T	SUPERFICIAL ROCKWELL 15T
HV	HB 5						
198	195	92	99	61	72	82	93
195	191	91	98	60.5	71	81.5	92.3
191	184	90	97	59.5	70	81	
188	179	89	96	59	69	80.5	92
185	175	88	95	58	68	80	
180	171	87	94	57.5	67	79	91.5
178	167	86	93	57	66.5	78.5	91
175	163	85	92	56.5	65.5	78	90.5
173	160	84	91	56	64.5	77.5	
171	157	83	90	55.5	63.5	76.5	
169	154	82	89	55	62	76	90
166	151	81	88	54.5	61	75.5	89.5
163	148	80	87	54	60.5	75	89
160	145	79	86	53.5	59.5	74.5	88.5
157	142	78	85	53	58.5	74	88
156	140	77	84	52.5	58	73.5	87.5
153	137	76	83	52	57	73	87
151	135	75	82	51.5	56	72.5	87
149	133	74	81	51	55.5	72	86.5
147	130	73	80	50.5	54.5	71.5	86
145	128	72	79	50	54	71	85.5
142	126	71	78	49.5	53	70.5	85
140	124	70	77	49	52.5	70	84.5
138	122	69	76	48.5	52	69.5	84
136	120	68	75	48	51.5	69	83.5
134	118	67	74	47.5	51	68.5	83
132	116	66	73	47	50.5	68	82.5
131	114	65	72	46.5	50	67.5	82
129	112	64	71	46	49.5	67	81.5
126	110	63	70	45.5	49	66.5	81
125	109	62	69	45	48.5	66	80.5
124	107	61	68	44.5	48	65.5	80
122	106	60	67	44	47.5	65	79.5
120	104	59	66	43.5	47	64.5	79
118	102	58	65	43	46.5	64	78.5
117	101	57	64	42.5	46	63.5	78
115	99	56	63	42	45.5	63	77.5
114	98	55	62	41.5	45	62.5	77
112	95	54	61	41	44.5	62	76.5
110	94	53	60	40.5	44	61.5	76
109	92	52	59	40	43.5	61	75.5
108	91	51	58	39.5	43	60.5	75
107	90	50	57	39	42.5	60	74.5
106	89	49	56	38.5	42	59.5	74
105	87	48	55	38	41.5	59	73.5
104	86	47	54	37.5	41	58.5	73
102	85	46	53	37	40.5	58	72.5
101	84	45	52	36.5	40	57.5	72
100	83	44	51	36	39.5	57	71.5
99	82	43	50	35.5	39	56.5	71
98	81	42	49	35	38.5	56	70.5
97	80	41	48	34.5	38	55.5	70
96	79	40	47	34	37.5	55	69.5
95	78	39	46	33.5	37	54.5	69
94	77	38	45	33	36.5	54	68.5
93	75	37	44	32.5	36	53.5	68
92	74	36	43	32	35.5	53	67.5
91	73	35	42	31.5	35	52.5	67
90	72	34	41	31	34.5	52	66.5
89	71	33	40	30.5	34	51.5	66
88	70	32	39	30	33.5	51	65.5
87	69	31	38	29.5	33	50.5	65
86	68	30	37	29	32.5	50	64.5
85	67	29	36	28.5	32	49.5	64
84	66	28	35	28	31.5	49	63.5
83	65	27	34	27.5	31	48.5	63
82	64	26	33	27	30.5	48	62.5
81	63	25	32	26.5	30	47.5	62
80	62	24	31	26	29.5	47	61.5
79	61	23	30	25.5	29	46.5	61
78	60	22	29	25	28.5	46	60.5
77	59	21	28	24.5	28	45.5	60
76	58	20	27	24	27.5	45	59.5
75	57	19	26	23.5	27	44.5	59
74	56	18	25	23	26.5	44	58.5
73	55	17	24	22.5	26	43.5	58
72	54	16	23	22	25.5	43	57.5
71	53	15	22	21.5	25	42.5	57
70	52	14	21	21	24.5	42	56.5
69	51	13	20	20.5	24	41.5	56
68	50	12	19	20	23.5	41	55.5
67	49	11	18	19.5	23	40.5	55
66	48	10	17	19	22.5	40	54.5
65	47	9	16	18.5	22	39.5	54
64	46	8	15	18	21.5	39	53.5
63	45	7	14	17.5	21	38.5	53
62	44	6	13	17	20.5	38	52.5
61	43	5	12	16.5	20	37.5	52
60	42	4	11	16	19.5	37	51.5
59	41	3	10	15.5	19	36.5	51
58	40	2	9	15	18.5	36	50.5
57	39	1	8	14.5	18	35.5	50
56	38	0	7	14	17.5	35	49.5
55	37		6	13.5	17	34.5	49
54	36		5	13	16.5	34	48.5
53	35		4	12.5	16	33.5	48
52	34		3	12	15.5	33	47.5
51	33		2	11.5	15	32.5	47
50	32		1	11	14.5	32	46.5
49	31		0	10.5	14	31.5	46
48	30			10	13.5	31	45.5
47	29			9.5	13	30.5	45
46	28			9	12.5	30	44.5
45	28			8.5	12	29.5	44
44	27			8	11.5	29	43.5
43	26			7.5	11	28.5	43
42	25			7	10.5	28	42.5
41	25			6.5	10	27.5	42
40	24			6	9.5	27	41.5
39	23			5.5	9	26.5	41
38	23			5	8.5	26	40.5
37	22			4.5	8	25.5	40
36	22			4	7.5	25	39.5
35	21			3.5	7	24.5	39
34	21			3	6.5	24	38.5
33	20			2.5	6	23.5	38
32	20			2	5.5	23	37.5
31	19			1.5	5	22.5	37
30	19			1	4.5	22	36.5
29	18			0.5	4	21.5	36
28	18			0	3.5	21	35.5
27	17				3	20.5	35
26	17				2.5	20	34.5
25	16				2	19.5	34
24	16				1.5	19	33.5
23	15				1	18.5	33
22	15				0.5	18	32.5
21	14				0	17.5	32
20	14					17	31.5
19	13					16.5	31
18	13					16	30.5
17	12					15.5	30
16	12					15	29.5
HV	HB 5	E	F			30T	15T

All the values shown are approximate only.
This chart is intended primarily as a reference guide.

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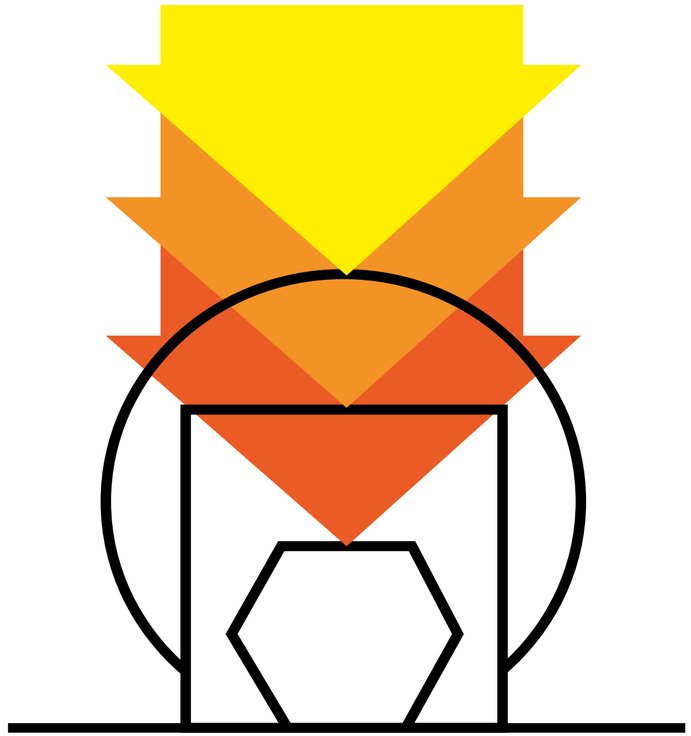
AFFRI®

HARDNESS TESTERS

RSD SOLUTIONS



RSD ONE TESTER, MANY SOLUTIONS

Rockwell, Superficial Rockwell and Brinell
Conform to **ASTM-ISO** standards

RSD Bench Top

206

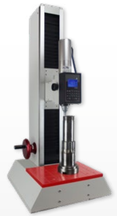
For very small or medium size samples

330

270 x 330mm (10.6 x 13") working base for bulky samples

903
331

Height capacity of 700mm (27,5"), more on request. Optional base for rings.



- Hardness tester conform to standards **ASTM E18, ASMT E10** and **ISO 6508, ISO 6506**
- Equipped with an advanced calibrated load cell static system for multi load forces management
- The vertical head stroke of 50mm (2") assures absolute accuracy even in case of structural deflection
- Costant high repeatability and accuracy in every test condition and direction, even upside down.
- LCD display for direct double scale results, instant conversion to other hardness scales, tolerance settings, temperature measurement, indentation depth thickness, complete statistic, histogram, memory data.
- RS 232 C and USB outputs for printer.

ROCKWELL

HRA	HRB	HRC	HRD	HRE	HRF	HRG
HRH	HRK	HRL	HRM	HRP	HRR	HRS
HR15 N/T/S/W/X/Y	HR30 N/T/S/W/X/Y	HR45 N/T/S/W/X/Y				

BRINELL HBTW

1/30	2.5/15.6	2.5/31.5	2.5/62.5	2.5/187.5	5/125

VICKERS (Generate indentation)

HV3	HV10	HV15	HV30	HV60	HV100

RSD Portable

RSD MAG

Portable tester with magnetic clamping base. The AFFRI RSD MAG has no limits on samples geometry and largeness. It is completely uninfluenced by direction so that it is operative up to 360° positioning, even inverted.
The first result is correct with no need for a second test.

USER FRIENDLY

Pulling one single start lever the measure will appear in few seconds. It is so simple and easy to use that there is no need for any particular preparation by the operator.

1. Identify the test area and place the hardness tester on the test sample
2. locking the magnetic lever the tester will strongly adhere to the test piece for the entire test cycle
3. Start the test and in few seconds the result will appear on the display

Safe clamping on any surface, from round to flat, with self allignment of the indenter with the measurement axis. Highest accuracy and repeatability at every measurement.

AUTOMATIC HARDNESS TEST CYCLE

Just pull the start lever and the head moves down performing the automatic hardness test cycle:
1. Automatic contact with the specimen
2. Automatic clamping and activation of the reference surface point
3. Automatic preloading and loading
4. Automatic measure and automatic return stroke when releasing the lever

The entire test cycle is complete and the result appears on a large display.

AFFRI® CLAMPING SYSTEM

The clamping system assures perfect stability of any test piece throughout the test cycle. Secure contact with the specimen is always maintained, even in the unlikely event of any specimen movement during the operation cycle.

ABSOLUTE BASE

A wide and stable working plate to support masses over 2000 kg (4409.2 lb), eliminate instability problems, maintenance and adjustments. For bulky test pieces which cannot be easily received by regular bench top testers.

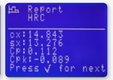
THE SOFTWARE

Main control LCD panel in front of the measuring head for setup of test parameters, including powerful software and electronic. Precise test settings. Dynamic results.
Touch key pad board IP 64 protection.

Set of the hardness test method

Measurement settings

Results, averages and conversions



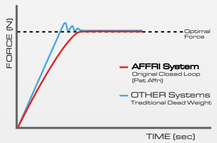
Storable and printable statistics

LOAD CELL TECHNOLOGY

The exclusive Affri latest generation of load cells control load forces assuring perfect linearity in every range eliminating the problems associated with traditional dead weight testers.

The force by load cell assure absolute accuracy at all test conditions without any equal in the world. Results are not affected by any structural deflection, misalignment or vibration. The system can also operate in an inclined position.

The R & R. data is at the top of its class and not surpassed by any other competitor under the same test conditions.



FROM PORTABLE TO BENCH-TOP

Combine the RSD MAG tester with two different size of stand support, 670H or 460L, in order to have a regular bench-top tester.
This system fully conforms to hardness testing standards and allows testing in laboratory on small pieces and prepared samples without the need of buying another hardness tester.

Hardness measurements will result fast and easy as an AFFRI bench tester including the sample clamping system and the deflection auto-compensation system.