

Approximate Hardness Conversion Numbers: Vickers to Rockwell B Hardness

Vickers (HV)	Rockwell B 100kgf (HRB)	Rockwell		Superficial Rockwell Number		
		A Scale 60 kgf (HRA)	F Scale 60kgf (HRF)	15-T Scale 15-kgf (HR15T)	30-T Scale 30-kgf (HR30T)	45-T Scale 45-kgf (HR45T)
240	100	61.5	...	93.1	83.1	72.9
234	99	60.9	...	92.8	82.5	71.9
228	98	60.2	...	92.5	81.8	70.9
222	97	59.5	...	92.1	81.1	69.9
216	96	58.9	...	91.8	80.4	68.9
210	95	58.3	...	91.5	79.8	67.9
205	94	57.6	...	91.2	79.1	66.9
200	93	57	...	90.8	78.4	65.9
195	92	56.4	...	90.5	77.8	64.8
190	91	55.8	...	90.2	77.1	63.8
185	90	55.2	...	89.9	76.4	62.8
180	89	54.6	...	89.5	75.8	61.8
176	88	54	...	89.2	75.1	60.8
172	87	53.4	...	88.9	74.4	59.8
169	86	52.8	...	88.6	73.8	58.8
165	85	52.3	...	88.2	73.1	57.8
162	84	51.7	...	87.9	72.4	56.8
159	83	51.1	...	87.6	71.8	55.8
156	82	50.6	...	87.3	71.1	54.8
153	81	50	...	86.9	70.4	53.8
150	80	49.5	...	86.6	69.7	52.8
147	79	48.9	...	86.3	69.1	51.8
144	78	48.4	...	86	68.4	50.8
141	77	47.9	...	85.6	67.7	49.8
139	76	47.3	...	85.3	67.1	48.8
137	75	46.8	99.6	85	66.4	47.8
135	74	46.3	99.1	84.7	65.7	46.8
132	73	45.8	98.51	84.3	65.1	45.8
130	72	45.3	98	84	64.4	44.8
127	71	44.8	97.4	83.7	63.7	43.8
125	70	44.3	96.8	83.4	63.1	42.8
123	69	43.8	96.2	83	62.4	41.8
121	68	43.3	95.6	82.7	61.7	40.8
119	67	42.8	95.1	82.4	61	39.8
117	66	42.3	94.5	82.1	60.4	38.7
116	65	41.8	93.9	81.8	59.7	37.7
114	64	40.9	93.4	81.4	59	36.7
112	63	40.4	92.8	81.1	58.4	35.7
110	62	40	92.2	80.8	57.7	34.7
108	61	39.5	91.7	80.5	57	33.7
107	60	39	91.1	80.1	56.4	32.7
106	59	38.6	90.5	79.8	55.7	31.7
104	58	38.1	90	79.5	55	30.7
103	57	37.7	89.4	79.2	54.4	29.7
101	56	37.2	88.8	78.8	53.7	28.7
100	55	36.8	88.2	78.5	53	27.7