

Rockwell C (HRC)	Rockwell B (HRB)	Material Context
35 to 68 HRC	<i>Out of Range (No Data)</i>	Hardened tool steels, gears, and knives
23 HRC	100.0 HRB	The absolute maximum threshold for HRB
22 HRC	99.0 HRB	High end of soft steels / hard brass
21 HRC	98.0 HRB	Soft carbon steels
20 HRC	97.0 HRB	Annealed steels

Rockwell C (HRC)	Vickers (HV)	Brinell (HBW)
35	345	327
40	392	371
45	446	421
50	513	481
55	595	560
60	697	654
65	832	<i>Out of range</i>
68	940	<i>Out of range</i>

Rockwell C (HRC)	Rockwell B (HRB)	Vickers (HV)	Brinell (HBW)
68	<i>Out of Range</i>	940	<i>Out of Range</i>
67	<i>Out of Range</i>	900	<i>Out of Range</i>
66	<i>Out of Range</i>	865	<i>Out of Range</i>
65	<i>Out of Range</i>	832	<i>(739) tungsten ball</i>
64	<i>Out of Range</i>	800	<i>(722) tungsten ball</i>
63	<i>Out of Range</i>	772	<i>(705) tungsten ball</i>
62	<i>Out of Range</i>	746	<i>(688) tungsten ball</i>
61	<i>Out of Range</i>	720	<i>(670) tungsten ball</i>
60	<i>Out of Range</i>	697	654
59	<i>Out of Range</i>	674	634
58	<i>Out of Range</i>	653	615
57	<i>Out of Range</i>	633	595
56	<i>Out of Range</i>	613	577
55	<i>Out of Range</i>	595	560
54	<i>Out of Range</i>	577	543
53	<i>Out of Range</i>	560	525

Rockwell C (HRC)	Rockwell B (HRB)	Vickers (HV)	Brinell (HBW)
52	<i>Out of Range</i>	544	512
51	<i>Out of Range</i>	528	496
50	<i>Out of Range</i>	513	481
49	<i>Out of Range</i>	498	469
48	<i>Out of Range</i>	484	455
47	<i>Out of Range</i>	471	443
46	<i>Out of Range</i>	458	432
45	<i>Out of Range</i>	446	421
44	<i>Out of Range</i>	434	409
43	<i>Out of Range</i>	423	400
42	<i>Out of Range</i>	412	390
41	<i>Out of Range</i>	402	381
40	<i>Out of Range</i>	392	371
39	<i>Out of Range</i>	382	362
38	<i>Out of Range</i>	372	353
37	<i>Out of Range</i>	363	344

Rockwell C (HRC)	Rockwell B (HRB)	Vickers (HV)	Brinell (HBW)
36	<i>Out of Range</i>	354	336
35	<i>Out of Range</i>	345	327