

**ROCKWELL - BRINELL HARDNESS DATA**

<b>ROCKWELL C to BRINELL 3000 KG.</b> For Hardened Steel and Alloys	
<b>ROCKWELL C</b> 150 Kg. Load "Brale"	<b>BRINELL</b> 3000 Kg. Load 10mm Ball
60	614
59	600
58	587
57	573
56	560
55	547
54	534
53	522
52	509
51	496
50	484
49	472
48	460
47	448
46	437
45	426
44	415
42	393
40	372
38	352
36	332
34	313
32	297
30	283
28	270
26	260
24	250
22	240
20	230

<b>BRINELL 3000 KG. TO ULTIMATE TENSILE STRENGTH FOR STEELS</b>	
<b>BRINELL</b> 3000 Kg. Load 10mm Ball	<b>ULTIMATE TENSILE STRENGTH, psi</b>
200	100,000
225	108,000
250	122,000
275	141,000
300	158,000
325	174,000
350	188,000
375	202,000
400	215,000
425	227,000
450	238,000
475	249,000
500	258,000
525	267,000
550	282,000
575	295,000
600	308,000

<b>ROCKWELL B to BRINELL 500 and 3000 KG.</b> For Unhardened Steel, Steel of Soft Temper, Gray and Malleable Cast Iron and Most Nonferrous Metal		
<b>ROCKWELL B</b> 100 Kg. Load 1/16" Dia. Ball	<b>BRINELL</b> 500 Kg. Load 10mm Ball	<b>BRINELL</b> 3000 Kg. Load 10mm Ball
100	201	240
99	195	234
98	189	228
97	184	222
96	179	216
95	175	210
94	171	205
93	167	200
92	163	195
91	160	190
90	157	185
89	154	180
88	151	176
87	148	172
86	145	169
85	142	165
84	140	162
83	137	159
82	135	156
81	133	153
80	130	150
79	128	147
78	126	144
77	124	141
76	122	139
75	120	137
74	118	135
72	114	130
70	110	125
68	107	121
66	104	117
64	101	114
62	98	110
60	95	107
58	92	104
56	90	101
54	87	
52	85	
50	83	
48	81	
46	79	
44	78	
42	76	
40	74	
38	73	
36	71	
34	70	
32	68	
30	67	
28	66	
24	64	
20	62	
16	60	
12	58	
8	56	
4	55	
0	53	