

HARDNESS CONVERSION TABLE

Brinell Indentation Diameter, mm	Brinell Hardness Number		Rockwell Hardness Number		Rockwell Superficial Hardness Number			Tensile strength (approx.) 1000 psi
	Standard ball	Tungsten-Carbide ball	B scale	C scale	15 N scale	30 N scale	45 N scale	
2.45	....	627	....	58.7	89.6	76.3	65.1	347
2.50	....	601	....	57.3	89.0	75.1	63.5	328
2.55	....	578	....	56.0	88.4	73.9	62.1	313
2.60	....	555	....	54.7	87.8	72.7	60.6	298
2.65	....	534	....	53.5	87.2	71.6	59.2	288
2.70	....	514	....	52.1	86.5	70.3	57.6	274
2.75	....	495	....	51.0	85.9	69.4	56.1	264
2.80	....	477	....	49.6	85.3	68.2	54.5	252
2.85	....	461	....	48.5	84.7	67.2	53.2	242
2.90	....	444	....	47.1	84.0	65.8	51.5	230
2.95	429	429	....	45.7	83.4	64.6	49.9	219
3.00	415	415	....	44.5	82.8	63.5	48.4	212
3.05	401	401	....	43.1	82.0	62.3	46.9	202
3.10	388	388	....	41.8	81.4	61.1	45.3	193
3.15	3.75	375	....	40.4	80.6	59.9	43.6	184
3.20	363	363	....	39.1	80.0	58.7	42.0	177
3.25	352	352	....	37.9	79.3	57.6	40.5	170
3.30	341	341	....	36.6	78.6	56.4	39.1	163
3.35	331	331	....	35.5	78.0	55.4	37.8	158
3.40	321	321	....	34.3	77.3	54.3	36.4	152
3.45	311	311	....	33.1	76.7	53.3	34.4	147
3.50	302	302	....	32.1	76.1	52.2	33.8	143
3.55	293	293	....	30.9	75.5	51.2	32.4	139
3.60	285	285	....	29.9	75.0	50.3	31.2	136
3.65	277	277	....	28.8	74.4	49.3	29.9	131
3.70	269	269	....	27.6	73.7	48.3	28.5	128
3.75	262	262	....	26.6	73.1	47.3	27.3	125
3.80	255	255	....	25.4	72.5	46.2	26.0	121
3.85	248	248	....	24.2	71.7	45.1	24.5	118
3.90	241	241	100.0	22.8	70.9	43.9	22.8	114
3.95	235	235	99.0	21.7	70.3	42.9	21.5	111
4.00	229	229	98.2	20.5	69.7	41.9	20.1	109
4.05	223	223	97.3	....	....	....	....	104
4.10	217	217	96.4	....	....	....	....	103
4.15	212	212	95.5	....	....	....	....	100
4.20	207	207	94.6	....	....	....	....	99
4.25	201	201	93.8	....	....	....	....	97
4.30	197	197	92.8	....	....	....	....	94
4.35	192	192	91.9	....	....	....	....	92
4.40	187	187	90.7	....	....	....	....	90
4.45	183	183	90.0	....	....	....	....	89
4.50	179	179	89.0	....	....	....	....	88
4.55	174	174	87.8	....	....	....	....	86
4.60	170	170	86.8	....	....	....	....	84
4.65	167	167	86.0	....	....	....	....	83
4.70	163	163	85.0	....	....	....	....	82
4.80	156	156	82.9	....	....	....	....	80
4.90	149	149	80.8	....	....	....	....	73
5.00	143	143	78.7	....	....	....	....	71
5.10	137	137	76.4	....	....	....	....	67
5.20	131	131	74.0	....	....	....	....	65
5.30	126	126	72.0	....	....	....	....	63
5.40	121	121	69.0	....	....	....	....	60
5.50	116	116	67.6	....	....	....	....	58
5.60	111	111	65.7	....	....	....	....	56