



Toll Free: 866-822-7758 Fax: 610-430-3588

## Hardness Conversion Table

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Brinell Indentaion Diameter mm	Brinell Hardness Number		Rockwell Hardness Number		Rockwell Superficial hardness Number Superficial Diamond Penetrator			Tensile Strength (approx.) 1000 p.s.
	Standard Ball	Tungsten-Carbide Ball	B Scale	C Scale	15N Scale	30N Scale	45N Scale	
2.45		627	58.70	89.60	76.30	65.10		347
2.50		601		57.30	89.00	75.10	63.50	328
2.55		578		56.00	88.40	73.90	62.10	313
2.60		555		54.70	87.80	72.70	60.60	298
2.65		534		53.50	87.20	71.60	59.20	288
2.70		514		52.10	86.50	70.30	57.60	274
2.75		495		51.00	85.90	69.40	56.10	264
2.80		477		49.60	85.30	68.20	54.50	252
2.85		461		48.50	84.70	67.20	53.20	242
2.90		444		47.10	84.00	65.80	51.50	230
2.95	429	429		45.70	83.40	64.60	49.90	219
3.00	415	415		44.50	82.80	63.50	48.40	212
3.05	401	401		43.10	82.00	62.30	46.90	202
3.10	388	388		41.80	81.40	61.10	45.30	193
3.15	375	375		40.40	80.60	59.90	43.60	184
3.20	363	363		39.10	80.00	58.70	42.00	177
3.25	352	352		37.90	79.30	57.60	40.50	170
3.30	341	341		36.60	78.60	56.40	39.10	163
3.35	331	331		35.50	78.00	55.40	37.80	158
3.40	321	321		34.30	77.30	54.30	36.40	152
3.45	311	311		33.10	76.70	53.30	34.40	147
3.50	302	302		32.10	76.10	52.20	33.80	143



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	Standard Ball	Tungsten-Carbide Ball	B Scale	C Scale	15N Scale	30N Scale	45N Scale	
3.55	293	293		30.90	75.50	51.20	32.40	139
3.60	285	285		29.90	75.00	50.30	31.20	136
3.65	277	277		28.80	74.40	49.30	29.90	131
3.70	269	269		27.60	73.70	48.30	28.50	128
3.75	262	262		26.60	73.10	47.30	27.30	125
3.80	255	255		25.40	72.50	46.20	26.00	121
3.85	248	248		24.20	71.70	45.10	24.50	118
3.90	241	241	100.00	22.80	70.90	43.90	22.80	114
3.95	235	235	99.00	21.70	70.00	42.90	21.50	111
4.00	229	229	98.20	20.50	69.70	41.90	20.10	109
4.05	223	223	97.30					104
4.10	217	217	63.40					103
4.15	212	212	95.50					100
4.20	207	207	94.60					99
4.25	201	201	93.80					97
4.30	197	197	92.80					94
4.35	192	192	91.90					92
4.40	187	187	90.70					90
4.45	183	183	90.00					89
4.50	179	179	89.00					88
4.55	174	174	87.80					86
4.60	170	170	86.80					84



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	Standard Ball	Tungsten-Carbide Ball	B Scale	C Scale	15N Scale	30N Scale	45N Scale	
4.65	167	167	86.00					83
4.70	163	163	85.00					82
4.80	156	156	82.90					80
4.90	149	149	80.80					73
5.00	143	143	78.70					71
5.10	137	137	76.40					67
5.20	131	131	74.00					65
5.30	126	126	72.00					63
5.40	121	121	69.00					60
5.50	116	116	67.60					58
5.60	111	111	65.70					56