



HARDNESS CHART

Brinell Hardness	Rockwell Hardness			Tensile Strength	Brinell Hardness	Rockwell Hardness			Tensile Strength
	Tungsten Carbide Ball 3000 KG A Scale 60KG	B Scale 100KG	C Scale 150KG			(Approx.)	Tungsten Carbide Ball 3000 KG A Scale 60KG	B Scale 100KG	
-	85.6	-	68.0	-	331	68.1	-	35.5	166,000
-	85.3	-	67.5	-	321	67.5	-	34.3	160,000
-	85.0	-	67.0	-	311	66.9	-	33.1	155,000
767	84.7	-	66.4	-	302	66.3	-	32.1	150,000
757	84.4	-	65.9	-	293	65.7	-	30.9	145,000
745	84.1	-	65.3	-	285	65.3	-	29.9	141,000
733	83.8	-	64.7	-	277	64.6	-	28.8	137,000
722	83.4	-	64.0	-	269	64.1	-	27.6	133,000
712	-	-	-	-	262	63.6	-	26.6	129,000
710	83.0	-	63.3	-	255	63.0	-	25.4	126,000
698	82.6	-	62.5	-	248	62.5	-	24.2	122,000
684	82.2	-	61.8	-	241	61.8	100.0	22.8	118,000
682	82.2	-	61.7	-	235	61.4	99.0	21.7	115,000
670	81.8	-	61.0	-	229	60.8	98.2	20.5	111,000
656	81.3	-	60.1	-	223	-	97.3	20.0	-
653	81.2	-	60.0	-	217	-	96.4	18.0	105,000
647	81.1	-	59.7	-	212	-	95.5	17.0	102,000
638	80.8	-	59.2	329,000	207	-	94.6	16.0	100,000
630	80.6	-	58.8	324,000	201	-	93.8	15.0	98,000
627	80.5	-	58.7	323,000	197	-	92.8	-	95,000
601	79.8	-	57.3	309,000	192	-	91.9	-	93,000
578	79.1	-	56.0	297,000	187	-	90.7	-	90,000
555	78.4	-	54.7	285,000	183	-	90.0	-	89,000
534	77.8	-	53.5	274,000	179	-	89.0	-	87,000
514	76.9	-	52.1	263,000	174	-	87.8	-	85,000
495	76.3	-	51.0	253,000	170	-	86.8	-	83,000
477	75.6	-	49.6	243,000	167	-	86.0	-	81,000
461	74.9	-	48.5	235,000	163	-	85.0	-	79,000
444	74.2	-	47.1	225,000	156	-	82.9	-	76,000
429	73.4	-	45.7	217,000	149	-	80.8	-	73,000
415	72.8	-	44.5	210,000	143	-	78.7	-	71,000
401	72.0	-	43.1	202,000	137	-	76.4	-	67,000



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388	71.4	-	41.8	195,000	131	-	74.0	-	65,000
375	70.6	-	40.4	188,000	126	-	72.0	-	63,000
363	70.0	-	39.1	182,000	121	-	69.8	-	60,000
352	69.3	-	37.9	176,000	116	-	67.6	-	58,000
341	68.7	-	36.6	170,000	111	-	65.7	-	56,000