

Hardness Comparison Chart

Brinell	Vickers	Rockwell 'A'	Rockwell 'B'	Rockwell 'C'	Tons/inch ²
120	126	-	68.8	-	27
130	137	-	73.5	-	29
140	147	-	77.6	-	31
150	157	-	80.8	-	33
160	168	-	84.3	2.4	34.9
170	180	-	87.1	6	37.5
180	188	53	88	8	39
190	200	55	91.5	11	41.1
200	210	56	93.4	13.4	43.3
210	220	57	95	15.1	45.1
220	231	59	96.7	18	47.6
230	242	60.5	98.5	20.5	50.2
240	252	61.7	100	22.6	52.3
250	263	62.5	-	24	54.3
260	274	63.5	-	26.2	57.3
270	285	64.4	-	27.8	58.8
280	295	65.7	-	28.2	62.1
290	305	65.8	-	30.4	64
300	315	66.3	-	31.6	66.3
310	327	67	-	33	68.9
320	337	67.5	-	34	71.2
330	350	68.2	-	35.5	74.1
340	360	68.7	-	36.6	75.9
350	370	69.3	-	37.7	78.1
360	380	69.8	-	38.8	80.4
370	393	70.5	-	40	83.4
380	402	71	-	41	85.2
390	415	71.7	-	42.3	88.2
400	425	72.1	-	43.2	90.2
410	435	72.5	-	44	92.5
420	445	73	-	45	94.6
430	457	73.5	-	46	97.4
440	470	74	-	47	100
450	482	75	-	48	103.4
460	495	75.5	-	49	106
470	507	76	-	50	108.4
480	520	76.5	-	51	112
490	535	77	-	52	114.5
500	550	77.5	-	53	118
*530	565	78	-	54	121
*547	582	78.5	-	55	125.4
*564	600	79	-	56	129
*582	620	79.3	-	56.7	133
*601	640	79.8	-	57.7	138
*620	660	80.3	-	58.5	142
*640	682	80.9	-	59.5	147
*663	710	81.5	-	60.2	-
*680	735	82.1	-	61.2	-
*690	760	82.5	-	62	-
*713	785	83	-	63	-
*730	815	83.5	-	64	-
*745	840	84	-	65	-
*759	866	84.5	-	66	-
-	890	85	-	67	-
-	915	85.5	-	68	-

The values shown are only approximate and should be used accordingly.

* Tungsten carbide ball.