

## approximate hardness conversion

<b>Brinell hardness number</b>	<b>Rockwell C 150 kg. 120° cone</b>	<b>Rockwell A 60 kg 120° cone</b>	<b>Rockwell B 100 kg 1/16" ball</b>	<b>Vickers hardness number</b>	<b>knop hardness number 500g→</b>
-	70	86.5	-	-	-
-	69	86	-	-	-
-	68	85.5	-	-	-
-	67	85	-	-	-
767	66.5	84.7	-	-	-
745	65.5	84.2	-	840	852
712	64	83.5	-	783	808
682	61.5	82	-	737	768
653	60	81	-	697	732
627	58.5	80.2	-	667	703
601	57.5	79.2	-	640	677
578	56	79	-	615	652
555	54.5	78.2	-	591	626
534	53.5	77.7	-	569	604
514	52	77	-	547	579
495	51	76.5	-	528	558
477	49.5	75.7	-	508	537
461	48.5	74.7	-	491	518
444	47	74.2	-	472	496
429	45.5	73.2	-	455	476
415	44.5	72.7	-	440	459
401	43	72	-	425	441
388	42	71.5	-	410	423
375	40.5	70.7	-	395	407
363	39	70	-	383	392
352	38	69.5	110	372	379
341	36.5	68.7	109	360	367
331	35.5	68.2	108.5	350	356
321	34.5	67.7	108	339	345
311	33	67	107.5	328	336
302	32	66.5	107	319	327
293	31	66	106	309	318
285	30	65.5	105.5	301	310
277	29	65	104.5	292	302
269	27.5	64.2	104	284	294
262	26.5	63.7	103	276	286
255	25.5	63.2	102	269	279
248	24	62.5	101	261	272
241	23	61.8	100	253	265
235	21.5	61	99	247	259
229	20.5	60	98	241	253
223	19	59.5	97	234	247
217	17.5	59.2	96.5	228	242

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212	16	58.5	95.5	222	237
207	15	57.7	94.5	218	232
197	12.5	57	93	207	222
187	10	55.7	90.5	196	212
179	8	55	89	188	202
170	5	53.5	87	178	194