

Hardness conversion table 硬度对应表

Brinell 布氏硬度 3,000Kgf (HB)	Rockwell 洛氏硬度 (HRC)				Vickers 维氏硬度 50Kgf (HV)	Shore's 肖氏硬度 (HS)	Tensile strength 抗拉强度 Rm (N/mm2)
	A scale	B scale	C scale	D scale			
	60Kgf	100Kg	150Kgf	100Kgf			
	Diamond	1/16"steel	Diamond	Diamond			
	85.6		68.0	76.9	940	97	
	85.3		67.5	76.5	920	96	
	85.0		67.0	76.1	900	95	
767	84.7		66.4	75.7	880	93	
757	84.4		65.9	75.3	860	92	
745	84.1		65.3	74.8	840	91	
733	83.8		64.7	74.3	820	90	
722	83.4		64.0	73.8	800	88	
712							
710	83.0		63.3	73.3	780	87	
698	82.6		62.5	72.6	760	86	
684	82.2		61.8	72.1	740		
682	82.2		61.7	72.0	737	84	
670	81.8		61.0	71.5	720	83	
656	81.3		60.1	70.8	700		
653	81.2		60.0	70.7	697	81	
647	81.1		59.7	70.5	690		
638	80.8		59.2	70.1	680	80	
630	80.6		58.8	69.8	670		
627	80.5		58.7	68.7	640	77	
601	79.8		57.3	68.7	640	77	
578	79.1		56.0	67.7	615	75	
555	78.4		54.7	66.7	591	73	210
534	77.8		53.5	65.8	569	71	202
514	76.9		52.1	64.7	547	70	193
495	76.3		51.0	63.8	528	68	186
477	75.6		49.6	62.7	508	66	177
461	74.9		48.5	61.7	491	65	170
444	74.2		47.1	60.8	472	63	162
429	73.4		45.7	59.7	455	61	154
415	72.8		44.5	58.8	440	59	149
401	72.0		43.1	57.8	425	58	132
388	71.4		41.8	56.8	410	56	136
375	70.6		40.4	55.7	396	54	129
363	70.0		39.1	54.6	383	52	124
352	69.3	(110.0)	37.9	53.8	372	51	120
341	68.7	(109.0)	36.6	52.8	360	50	115

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	A scale	B scale	C scale	D scale			
	60Kgf	100Kg	150Kgf	100Kgf			
	Diamond	1/16"steel	Diamond	Diamond			
331	68.1	(108.5)	35.5	51.9	350	48	112
331	67.5	(108.5)	35.5	51.0	339	47	108
311	66.9	(107.5)	33.1	50.0	328	46	105
302	66.3	(107.0)	32.1	49.3	319	45	103
293	65.7	(106.0)	30.9	48.3	309	43	99
285	65.3	(105.5)	29.3	47.6	301		97
277	64.6	(104.5)	28.8	46.7	292	41	94
269	64.1	(104.0)	27.6	45.9	284	40	91
262	63.6	(103.0)	26.6	45.0	276	39	89
255	63.0	(102.0)	25.4	44.2	269	38	86
248	62.5	(101.0)	24.2	43.2	261	37	84
241	61.8	100.0	22.8	42.0	253	36	82
235	61.4	99.0	21.7	41.4	247	35	80
229	60.8	98.2	20.5	40.5	241	34	78
223		97.3	(18.8)		234		
217		96.4	(17.5)		228	33	74
212		95.5	(16.0)		222		72
207		94.6	(15.2)		218	32	70
201		93.8	(13.8)		212	31	69
197		92.8	(12.7)		207	30	67
192		91.9	(11.5)		202	29	65
187		90.7	(10.0)		196		63
183		90.0	(9.0)		192	28	63
179		89.0	(8.0)		188	27	61
174		87.8	(6.4)		182		60
170		86.8	(5.4)		178	26	58
167		86.0	(4.4)		175		57
163		85.0	(3.3)		171	25	56
156		82.9	(0.9)		163		53
149		80.8			156	23	51
143		78.7			150	22	50
137		76.4			143	21	47
131		74.0			137		46
126		72.0			132	20	44
121		69.8			127	19	42
116		67.6			122	18	41
111		65.7			117	15	39