

硬度换算表

维氏 硬度 HV 荷重 (DPH)	布氏硬度 10mm球 荷重3000kg			洛氏硬度 (3R)				洛氏薄片硬度 (3S)			肖氏 硬度 HS	抗拉 强度 kg/mm ²	维氏 硬度 HV 荷重 50kg
	标 准 球	Hult Green 球	碳化 钨 球	HRA 荷重60kg 金刚石	HRB 荷重100kg 1/6"球	HRC 荷重150kg 金刚石	HRD 荷重100kg 金刚石	15N 荷重 15kg	30N 荷重 30kg	45N 荷重 45kg			
1700	-	-	-	92.5	-	80.5	-	-	-	-	-	-	1700
1600	-	-	-	92	-	80	-	-	-	-	-	-	1600
1550	-	-	-	91.5	-	79	-	-	-	-	-	-	1550
1500	-	-	-	91	-	78	-	-	-	-	-	-	1500
1450	-	-	-	90.5	-	77	-	-	-	-	0	-	1450
1400	-	-	-	90	-	76	-	-	-	-	-	-	1400
1350	-	-	-	89.5	-	75	-	-	-	-	-	-	1350
1300	-	-	-	89	-	74	-	-	-	-	-	-	1300
1250	-	-	-	88.5	-	73	-	-	-	-	-	-	1250
1200	-	-	-	88	-	72	-	-	-	-	-	-	1200
1150	-	-	-	87.5	-	71.5	-	-	-	-	-	-	1150
1140	-	-	-	87	-	71	-	-	-	-	-	-	1140
1076	-	-	-	86.5	-	70	-	-	-	-	-	-	1076
1004	-	-	-	86	-	69	-	-	-	-	-	-	1004
940	-	-	-	85.6	-	68	76.9	93.2	84.4	75.4	97	-	940
920	-	-	-	85.3	-	67.5	76.5	93	84	74.8	96	-	920
900	-	-	-	85	-	67	76.1	92.9	83.6	74.2	95	-	900
880	-	-	767	84.7	-	66.4	75.7	92.7	83.1	73.6	93	-	880
860	-	-	757	84.4	-	65.9	75.3	92.5	82.7	73.1	92	-	860
840	-	-	745	84.1	-	65.3	74.8	92.3	82.2	72.2	91	-	840
820	-	-	733	83.8	-	64.7	74.3	92.1	81.7	71.8	90	-	820
800	-	-	722	83.4	-	64	73.8	91.8	81.1	71	88	-	800
780	-	-	710	93	-	63.3	73.3	91.5	80.4	70.2	87	-	780
760	-	-	698	82.6	-	62.5	72.6	91.2	79.7	69.4	86	-	760
740	-	-	684	82.2	-	61.8	72.1	91	79.1	68.6	84	-	740
720	-	-	670	81.8	-	61	71.5	90.7	78.4	67.7	83	-	720
700	-	615	656	81.3	-	60.1	70.8	90.3	77.6	66.7	81	-	700
690	-	610	647	81.1	-	59.7	70.5	90.1	77.2	66.2	81	-	690
680	-	603	638	80.8	-	59.2	70.1	89.8	76.8	65.7	80	232	680
670	-	597	630	80.6	-	58.8	69.8	89.7	76.4	65.3	79	228	670
660	-	590	620	80.3	-	58.3	69.4	89.5	75.9	64.7	79	224	660
650	-	585	611	80	-	57.8	69	89.2	75.5	64.1	-	221	650
640	-	578	601	79.8	-	57.3	68.7	89	75.1	63.5	77	217	640
630	-	571	591	79.5	-	56.8	68.3	88.8	74.6	63	-	214	630
620	-	564	582	79.2	-	56.3	67.9	88.5	74.2	62.4	75	210	620
610	-	557	573	78.9	-	55.7	67.5	88.2	73.6	61.7	-	207	610
600	-	550	564	78.6	-	55.2	67	88	73.2	61.2	74	203	600
590	-	542	554	78.4	-	54.7	66.7	87.8	72.7	60.5	-	200	590
580	-	535	545	78	-	54.1	66.2	87.5	72.1	59.9	72	196	580
570	-	527	535	77.8	-	53.6	65.8	87.2	71.7	59.3	71	193	570
560	-	519	525	77.4	-	53	65.4	86.9	71.2	58.6	71	189	560
550	505	512	517	77	-	52.3	64.8	86.6	70.5	57.8	-	186	550
540	496	503	507	76.7	-	51.7	64.4	86.3	70	57	69	183	540
530	488	495	497	76.4	-	51.1	63.9	86	69.5	56.2	-	179	530
520	480	487	488	76.1	-	50.5	63.5	85.7	69	55.6	67	176	520
510	473	479	479	75.7	-	49.8	62.9	85.4	68.3	54.7	-	173	510
500	465	471	471	75.3	-	49.1	62.2	85	67.7	53.9	66	169	500
490	456	460	460	74.9	-	48.4	61.6	84.7	67.1	53.1	-	165	490
480	448	452	452	74.5	-	47.7	61.3	84.3	66.4	52.2	64	162	480

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470	441	442	442	74.1	-	46.9	60.7	83.9	65.7	51.3	-	158	470
460	433	433	433	73.6	-	46.1	60.1	83.6	64.9	50.4	62	155	460
450	425	425	425	73.3	-	45.3	59.4	83.2	64.3	49.4	-	151	450
440	415	415	425	72.8	-	44.5	58.8	82.8	63.5	48.4	59	148	440
430	405	405	405	72.3	-	43.6	58.2	82.3	62.7	47.7	-	144	430
420	397	397	397	71.8	-	42.7	57.7	81.8	61.9	46.4	57	138	420
410	388	388	388	71.4	-	41.8	56.8	81.4	61.1	45.3	-	135	410
400	379	379	379	70.8	-	40.8	56	81	60.2	44.1	55	131	400
390	369	369	369	70.3	-	39.8	55.2	80.3	59.3	42.9	-	128	390
380	360	360	360	69.8	-110	38.8	54.4	79.8	58.4	41.7	52	124	380
370	350	350	350	69.2	-	37.7	53.6	79.2	57.4	40.4	-	123	370
360	341	341	341	69.7	-109	36.6	52.8	78.6	56.4	39.1	50	120	360
350	331	331	331	68.1	-	35.5	51.9	78	55.4	37.8	-	117	350
340	322	322	322	67.6	-108	34.4	51.1	77.4	54.4	36.5	47	113	340
330	313	313	313	67	-	33.3	50.2	76.8	53.6	35.2	-	110	330
320	303	303	303	66.4	-107	32.2	49.4	76.2	52.3	33.9	45	106	320
310	294	294	294	65.8	-	31	48.4	75.6	51.3	32.5	-	103	310
300	284	284	284	65.2	-105.5	29.8	47.5	74.9	50.2	31.1	42	99	300
295	280	280	280	64.8	-	29.2	47.1	74.6	49.7	30.4	-	98	295
290	275	275	275	64.5	-104.5	28.5	46.5	74.2	49	29.5	41	96	290
285	270	270	270	62.4	-	27.8	46	73.8	48.4	28.7	-	94	285
280	265	265	265	63.8	-103.5	27.1	45.3	73.4	47.8	27.9	40	92	280
275	261	261	261	63.5	-	26.4	44.9	73	47.2	27.1	-	91	275
270	256	256	256	63.1	-102	25.6	44.3	72.6	46.4	26.2	38	89	270
265	252	252	252	62.7	-	24.8	43.7	72.1	45.7	25.2	-	87	265
260	247	247	247	62.4	-101	24	43.1	71.6	45	24.3	37	85	260
255	243	243	243	62	-	23.1	42.2	71.1	44.2	23.2	-	82	255
250	238	238	238	61.6	99.5	22.2	41.7	70.6	43.4	22.2	36	80	250
245	233	233	233	61.2	-	21.3	41.1	70.1	42.5	21.2	-	78	245
240	228	228	228	60.7	98.1	20.3	40.3	69.6	41.7	19.9	34	76	240
230	219	219	219	-	96.7	-18	-	-	-	-	33	71	230
220	209	209	209	-	95	-15.7	-	-	-	-	32	68	220
210	200	200	200	-	93.4	-13.4	-	-	-	-	30	65	210
200	190	190	190	-	91.5	-11	-	-	-	-	29	62	200
190	181	181	181	-	89.5	-8.5	-	-	-	-	28	59	190
180	171	171	171	-	87.1	-6	-	-	-	-	26	56	180
170	162	162	162	-	85	-3	-	-	-	-	25	53	170
160	152	152	152	-	81.7	0	-	-	-	-	24	50	160
150	143	143	143	-	78.7	-	-	-	-	-	22	46	150
140	133	133	133	-	75.8	-	-	-	-	-	21	44	140
130	124	124	124	-	71.2	-	-	-	-	-	20	40	130
120	114	114	114	-	66.7	-	-	-	-	-	-	-	120
110	105	105	105	-	62.3	-	-	-	-	-	-	-	110
100	95	95	95	-	56.2	-	-	-	-	-	-	-	100
95	90	90	90	-	52	-	-	-	-	-	-	-	95
90	86	86	86	-	48	-	-	-	-	-	-	-	90
85	81	81	81	-	41	-	-	-	-	-	-	-	85