

HARDNESS COMPARISON

VICKERS EN ISO 6507												
HV	HV 0.05	HV 0.1	HV 0.2	HV 0.5	HV 1	HV 3	HV 5	HV 10	HV 30	HV 100	$d = \frac{d_1 + d_2}{2}$	
	μm	μm	μm	μm	μm	μm	μm	μm	μm	μm		
80	34.0	48.2	68.1	108	152	264	340	482	834	1523		
85	33.0	46.7	66.1	104	148	256	330	467	809	1477		
90	32.0	45.4	64.2	102	144	249	321	454	786	1435		
95	31.2	44.2	62.5	99	140	242	312	441	765	1397		
100	30.4	43.1	60.8	96	136	236	305	431	745	1362		
105	29.6	42.0	59.4	94	133	230	297	420	728	1331		
110	28.0	41.1	58.1	92	130	225	290	411	711	1301		
115	28.4	40.2	56.8	90	127	220	284	402	696	1271		
120	27.8	39.3	55.6	87.9	125	215	278	393	681	1241		
125	27.2	38.5	54.4	86.1	122	211	272	385	667	1220		
130	26.7	37.8	53.4	84.5	120	207	267	378	654	1193		
135	26.2	37.1	52.4	82.9	117	203	262	371	642	1170		
140	25.8	36.4	51.4	81.4	115	200	257	364	630	1150		
145	25.3	35.8	50.5	80.0	113	196	253	358	619	1130		
150	24.8	35.1	49.7	78.6	111	193	249	352	609	1113		
155	24.4	34.5	49.0	77.3	109	190	245	346	599	1095		
160	24.1	34.1	48.1	76.1	108	187	241	341	589	1078		
165	23.7	33.5	47.4	75.0	106	184	237	335	580	1060		
170	23.4	33.0	46.7	73.8	104	181	234	330	572	1045		
175	23.0	32.6	46.0	72.7	103	179	230	326	564	1030		
180	22.7	32.1	45.4	71.5	102	177	227	321	556	1016		
185	22.4	31.7	44.8	70.8	100	174	224	317	548	1002		
190	22.0	31.3	44.2	69.8	98.8	171	221	313	541	989		
195	21.5	30.5	43.6	68.9	97.5	169	218	309	534	975		
200	21.5	30.5	43.1	68.1	96.3	167	216	305	527	963		
205	21.3	30.1	42.5	67.2	95.1	165	213	301	521	951		
210	21.0	29.7	42.0	66.4	93.9	163	210	297	515	940		
215	20.8	29.4	41.5	65.7	92.8	161	208	294	509	929		
220	20.5	29.1	41.1	64.9	91.8	159	206	291	503	918		
225	20.3	28.7	40.6	64.2	90.7	157	203	287	497	908		
230	20.1	28.4	40.2	63.5	89.7	156	201	284	492	898		
235	19.8	28.1	39.7	62.8	88.8	154	199	281	487	889		
240	19.6	27.8	39.3	62.1	87.9	152	197	278	482	879		
245	19.5	27.5	38.9	61.5	87.0	151	195	275	477	870		
250	19.3	27.3	38.6	60.9	86.1	149	193	273	472	862		
255	19.2	27.1	38.2	60.3	85.2	148	191	270	467	853		
260	19.1	26.9	37.8	59.7	84.4	146	189	267	463	845		
265	19.0	26.7	37.4	59.2	83.6	145	187	265	458	837		
270	18.9	26.6	37.1	58.6	82.8	144	185	262	454	829		
275	18.8	26.5	36.7	58.1	82.1	143	184	260	450	821		
280	18.7	26.4	36.4	57.5	81.4	141	182	258	446	814		
285	18.6	26.3	36.1	57.0	80.6	140	180	255	442	807		
290	18.5	26.2	35.8	56.5	79.9	139	179	253	438	800		
295	18.4	26.1	35.5	56.1	79.3	137	177	251	434	793		
300	18.3	26.0	35.2	55.6	78.6	136	176	249	430	786		
305	18.2	25.9	35.0	55.1	78.0	135	175	247	426	779		
310	18.1	25.8	34.8	54.5	77.3	134	173	245	424	774		
315	18.0	25.7	34.6	54.0	76.7	133	172	243	421	769		
320	17.9	25.6	34.4	53.5	76.1	132	170	241	417	761		
325	17.8	25.5	34.2	53.0	75.5	130	168	237	411	750		
330	17.7	25.4	34.0	52.5	74.9	129	167	235	407	745		
335	17.6	25.3	33.8	52.0	74.3	128	166	234	405	739		
340	17.5	25.2	33.6	51.5	73.7	127	165	232	401	734		
345	17.4	25.1	33.4	51.0	73.1	126	164	230	397	728		
350	17.3	25.0	33.2	50.5	72.5	125	163	228	393	721		
355	17.2	24.9	33.0	50.0	71.9	124	161	227	390	715		
360	17.1	24.8	32.8	49.5	71.3	123	160	225	387	709		
365	17.0	24.7	32.6	49.0	70.7	122	159	224	384	703		
370	16.9	24.6	32.4	48.5	70.1	121	158	222	381	697		
375	16.8	24.5	32.2	48.0	69.5	120	157	220	378	691		
380	16.7	24.4	32.0	47.5	68.9	119	156	219	375	685		
385	16.6	24.3	31.8	47.0	68.3	118	155	217	372	679		
390	16.5	24.2	31.6	46.5	67.7	117	154	216	369	673		
395	16.4	24.1	31.4	46.0	67.1	116	153	214	366	667		
400	16.3	24.0	31.2	45.5	66.5	115	152	213	364	661		
405	16.2	23.9	31.0	45.0	65.9	114	151	211	361	655		
410	16.1	23.8	30.8	44.5	65.3	113	150	210	359	649		
415	16.0	23.7	30.6	44.0	64.7	112	149	208	356	643		
420	15.9	23.6	30.4	43.5	64.1	111	148	207	354	637		
425	15.8	23.5	30.2	43.0	63.5	110	147	205	351	631		
430	15.7	23.4	30.0	42.5	62.9	109	146	204	349	625		
435	15.6	23.3	29.8	42.0	62.3	108	145	202	346	619		
440	15.5	23.2	29.6	41.5	61.7	107	144	201	344	613		
445	15.4	23.1	29.4	41.0	61.1	106	143	200	342	607		
450	15.3	23.0	29.2	40.5	60.5	105	142	199	340	601		
455	15.2	22.9	29.0	40.0	59.9	104	141	197	337	595		
460	15.1	22.8	28.8	39.5	59.3	103	140	196	335	589		
465	15.0	22.7	28.6	39.0	58.7	102	139	194	332	583		
470	14.9	22.6	28.4	38.5	58.1	101	138	193	330	577		
475	14.8	22.5	28.2	38.0	57.5	100	137	191	327	571		
480	14.7	22.4	28.0	37.5	56.9	99	136	190	325	565		
485	14.6	22.3	27.8	37.0	56.3	98	135	189	323	559		
490	14.5	22.2	27.6	36.5	55.7	97	134	187	320	553		
495	14.4	22.1	27.4	36.0	55.1	96	133	186	318	547		
500	14.3	22.0	27.2	35.5	54.5	95	132	184	315	541		
505	14.2	21.9	27.0	35.0	53.9	94	131	183	313	535		
510	14.1	21.8	26.8	34.5	53.3	93	130	181	310	529		
515	14.0	21.7	26.6	34.0	52.7	92	129	180	308	523		
520	13.9	21.6	26.4	33.5	52.1	91	128	178	305	517		
525	13.8	21.5	26.2	33.0	51.5	90	127	177	303	511		
530	13.7	21.4	26.0	32.5	50.9	89	126	175	300	505		
535	13.6	21.3	25.8	32.0	50.3	88	125	174	298	500		
540	13.5	21.2	25.6	31.5	49.7	87	124	172	295	494		
545	13.4	21.1	25.4	31.0	49.1	86	123	171	293	488		
550	13.3	21.0	25.2	30.5	48.5	85	122	169	290	482		
555	13.2	20.9	25.0	30.0	47.9	84	121	168	288	476		
560	13.1	20.8	24.8	29.5	47.3	83	120	166	285	470		
565	13.0	20.7	24.6	29.0	46.7	82	119	165	283	464		
570	12.9	20.6	24.4	28.5	46.1	81	118	163	280	458		
575	12.8	20.5	24.2	28.0	45.5	80	117	162	278	452		
580	12.7	20.4	24.0	27.5	44.9	79	116	160	275	446		
585	12.6	20.3	23.8	27.0	44.3	78	115	159	273	440		
590	12.5	20.2	23.6	26.5	43.7	77	114	157	270	434		
595	12.4	20.1	23.4	26.0	43.1	76	113	156	268	428		
600	12.3	20.0	23.2	25.5	42.5	75	112	154	265	422		
605	12.2	19.9	23.0	25.0	41.9	74	111	153	263	416		
610	12.1	19.8	22.8	24.5	41.3	73	110	151	260	410		
615	12.0	19.7	22.6	24.0	40.7	72	109	150	258	404		
620	11.9	19.6	22.4	23.5	40.1	71	108	148	255	398		
625	11.8	19.5	22.2	23.0	39.5	70	107	147	253	392		
630	11.7	19.4	22.0	22.5	38.9	69	106	145	250	386		
635	11.6	19.3	21.8	22.0	38.3	68	105	144	248	380		
640	11.5	19.2	21.6	21.5	37.7	67	104	142	245	374		
645	11.4	19.1	21.4									