

Hardness Conversion Table for Steel Strip

Conversion between Brinell HB, Rockwell HRA HRB and HRC, Vickers HV and Shore HS. Published by Yongxin Precision Material (Wuxi) Co., Ltd..

Brinell HB	Rockwell HRA	Rockwell HRB	Rockwell HRC	Vickers HV	Shore HS	Brinell HB	Rockwell HRA	Rockwell HRB	Rockwell HRC	Vickers HV	Shore HS
-	85.6	-	68.0	940	97	375	70.6	-	40.4	396	54
-	85.3	-	67.5	920	96	363	70.0	-	39.1	383	52
-	85.0	-	67.0	900	95	352	69.3	-	37.9	372	51
767	84.7	-	66.4	880	93	341	68.7	-	36.6	360	50
757	84.4	-	65.9	860	92	331	68.1	-	35.5	350	48
745	84.1	-	65.3	840	91	321	67.5	-	34.3	339	47
733	83.8	-	64.7	820	90	311	66.9	-	33.1	328	46
722	83.4	-	64.0	800	88	302	66.3	-	32.1	319	45
710	83.0	-	63.3	780	87	293	65.7	-	30.9	309	43
698	82.6	-	62.5	760	86	285	65.3	-	29.9	301	-
684	82.2	-	61.8	740	-	277	64.6	-	28.8	292	41
682	82.2	-	61.7	737	84	269	64.1	-	27.6	284	40
670	81.8	-	61.0	-	83	262	63.6	-	26.6	276	39
656	81.3	-	60.1	700	-	255	63.0	-	25.4	269	38
653	81.2	-	60.0	697	81	248	62.5	-	24.2	261	37
647	81.1	-	59.7	690	-	241	61.8	100.0	22.8	253	36
638	80.8	-	59.2	680	80	235	61.4	99.0	21.7	247	35
630	80.6	-	58.8	670	-	229	60.8	98.2	20.5	241	34
627	80.5	-	58.7	667	-	223	-	97.3	-	234	-
620	80.3	-	58.3	660	79	217	-	96.4	-	228	33
601	79.8	-	57.3	640	77	212	-	95.5	-	222	-
578	79.1	-	56.0	615	75	207	-	94.6	-	218	32
-	78.8	-	55.6	607	-	201	-	93.8	-	212	31
555	78.4	-	54.7	591	73	197	-	92.8	-	207	30
-	78.0	-	54.0	579	-	192	-	91.9	-	202	29
534	77.8	-	53.5	569	71	187	-	90.7	-	196	-
-	77.1	-	52.5	553	-	183	-	90.0	-	192	28

Brinell HB	Rockwell HRA	Rockwell HRB	Rockwell HRC	Vickers HV	Shore HS	Brinell HB	Rockwell HRA	Rockwell HRB	Rockwell HRC	Vickers HV	Shore HS
514	76.9	-	52.1	547	70	179	-	89.0	-	188	27
-	76.7	-	51.6	539	-	174	-	87.8	-	182	-
-	76.4	-	51.1	530	-	170	-	86.8	-	178	26
495	76.3	-	51.0	528	68	167	-	86.0	-	175	-
-	75.9	-	50.3	516	-	163	-	85.0	-	171	25
477	75.6	-	49.6	508	66	156	-	82.9	-	163	-
-	75.1	-	48.8	495	-	149	-	80.9	-	156	23
461	74.9	-	48.5	491	65	143	-	78.7	-	150	22
-	74.3	-	47.2	474	-	137	-	76.4	-	143	21
444	74.2	-	47.1	472	63	131	-	74.0	-	137	-
429	73.4	-	45.7	455	61	126	-	72.0	-	132	20
415	72.3	-	44.5	440	59	121	-	69.8	-	127	19
401	72.0	-	43.1	425	58	116	-	67.6	-	122	18
388	71.4	-	41.8	410	56	111	-	65.7	-	117	15

Conversions between hardness scales are approximate by nature and should be treated as guidance rather than as a substitute for testing on the actual product. A dash means no conversion value is given for that scale at that hardness.