

# Appendix V

## Hardness conversion chart

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Vickers, HV	Rockwell C	Brinell	Vickers, HV	Rockwell C	Brinell
940	68	–	410	41	388
920	67	–	400	40	379
900	67	–	390	39	369
880	66	767	380	38	360
860	65	757	370	37	350
840	65	745	360	36	341
820	64	733	350	35	331
800	64	722	340	34	322
780	63	710	330	33	313
760	62	698	320	32	303
740	61	684	310	31	294
720	61	680	300	29	284
700	60	656	295	29	280
690	59	647	290	28	275
680	59	638	285	27	270
670	58	630	280	27	265
660	58	620	275	26	261
650	57	611	270	25	256
640	57	601	265	24	252
630	56	591	260	24	252
620	56	582	255	23	243
610	55	573	250	22	238
600	55	564	245	21	233
590	54	554	240	20	228
580	54	545	230	18	219
570	53	535	220	15	209
560	53	525	210	13	200

(Continued)

Vickers, HV	Rockwell C	Brinell	Vickers, HV	Rockwell C	Brinell
550	52	517	200	11	190
540	51	507	190	9	181
530	51	497	180	6	171
520	50	488	170	3	162
510	49	479	160	0	152
500	49	471	150	-	143
490	48	460	140	-	133
480	47	452	130	-	124
470	46	442	120	-	114
460	46	433	110	-	105
450	45	425	100	-	95
440	44	415	95	-	90
430	43	405	90	-	86
420	42	397	85	-	81

Job no.	Company	Description	Date
Contact	Material	HRC	Quantity
Instruction sketch		Preparation sketch	
Pre-inspection			
Visual		Dye pen	
Weld process		Pre-heat	
Consumable	1		
	2		
	3		
Gas		Backing gas	
Other requirements			
Operation:	Quantity	Sign	Date
Preparation			
Weld			
Weld			
Cooling:	Heat insulating material		Air
Final inspection			
Dye pen		Visual	