

Table F.2 — Cartridge brass (70 % Copper, 30 % Zinc Alloy) (ASTM E 140-97, Table 4)

弹壳黄铜 (70%铜、30%锌) 硬度换算表

HV 30	Rockwell Hardness Number							HB
	HRB	HRF	HR15T	HR30T	HR45T	HBS10/500		
196	93,5	110,0	90,0	77,5	66,0	169		
194	...	109,5	...	...	65,5	167
192	93,0	...	...	77,0	65,0	166
190	92,5	109,0	...	76,5	64,5	164		
188	92,0	...	89,5	...	64,0	162		
186	91,5	108,5	...	76,0	63,5	161		
184	91,0	...	...	75,5	63,0	159
182	90,5	108,0	89,0	...	62,5	157		
180	90,0	107,5	...	74,5	62,0	156		
178	89,0	...	...	...	61,5	154
176	88,5	107,0	...	...	61,0	152
174	88,0	...	88,5	74,0	60,5	150		
172	87,5	106,5	...	73,5	60,0	149		
170	87,0	...	...	...	59,5	147
168	86,0	106,0	88,0	73,0	59,0	146		
166	85,5	...	...	72,5	58,5	144
164	85,0	105,5	...	72,0	58,0	142		
162	84,0	105,0	87,5	...	57,5	141		
160	83,5	...	...	71,5	56,5	139
158	83,0	104,5	...	71,0	56,0	138		
156	82,0	104,0	87,0	70,5	55,5	136		
154	81,5	103,5	...	70,0	54,5	135		
152	80,5	103,0	...	...	54,0	133
150	80,0	...	86,5	69,5	53,5	131		
148	79,0	102,5	...	69,0	53,0	129		
146	78,0	102,0	...	68,5	52,5	128		
144	77,5	101,5	86,0	68,0	51,5	126		
142	77,0	101,0	...	67,5	51,0	124		

^aRecalculated in 2012 by interpolation

Table F.2 (continued)

HV 30	Rockwell Hardness Number								HB
	HRB	HRF	HR15T	HR30T	HR45T	HBS10/500	HRB	HRF	
140	76,0	100,5	85,5	67,0	50,0	122	HRB	HRF	
138	75,0	100,0	...	66,5	49,0	121	HRB	HRF	
136	74,5	99,5	85,0	66,0	48,0	120	HRB	HRF	
134	73,5	99,0	84,5	65,5	47,5	118	HRB	HRF	
132	73,0	98,5	84,0	65,0	46,5	116	HRB	HRF	
130	72,0	98,0	83,5	64,5	45,5	114	HRB	HRF	
128	71,0	97,5	83,0	63,5	45,0	113	HRB	HRF	
126	70,0	97,0	82,5	63,0	44,0	112	HRB	HRF	
124	69,0	96,5	82,0	62,5	43,0	110	HRB	HRF	
122	68,0	96,0	81,5	62,0	42,0	108	HRB	HRF	
120	67,0	95,5	81,0	61,0	41,0	106	HRB	HRF	
118	66,0	95,0	80,5	60,5	40,0	105	HRB	HRF	
116	65,0	94,5	80,0	60,0	39,0	103	HRB	HRF	
114	64,0	94,0	79,5	59,5	38,0	101	HRB	HRF	
112	63,0	93,0	79,0	58,5	37,0	99	HRB	HRF	
110	62,0	92,6	78,5	58,0	35,5	97	HRB	HRF	
108	61,0	92,0	78,0	57,0	34,5	95	HRB	HRF	
106	59,5	91,2	77,5	56,0	33,0	94	HRB	HRF	
104	58,0	90,5	77,0	55,0	32,0	92	HRB	HRF	
102	57,0	89,8	76,5	54,5	30,5	90	HRB	HRF	
100	56,0	89,0	76,0	53,5	29,5	88	HRB	HRF	
98	54,0	88,0	75,5	52,5	28,0	86	HRB	HRF	
96	53,0	87,2	75,0	51,5	26,5	85	HRB	HRF	
94	51,0	86,3	74,5	50,5	24,5	83	HRB	HRF	
92	49,5	85,4	74,0	49,0	23,0	82	HRB	HRF	
90	47,5	84,4	73,5	48,0	21,0	80	HRB	HRF	
88	46,0	83,5	73,0	47,0	19,0	79	HRB	HRF	
86	44,0	82,3	72,5	45,5	17,0	77	HRB	HRF	

^aRecalculated in 2012 by interpolation

Table F.2 (continued)

HV 30	Rockwell Hardness Number						HB
	HRB	HRF	HR45T ^a	HR30T	HR45T	HBS10/500	
84	42,0	81,2	72,5	44,0	14,5	76	
82	40,0	80,0	73,0	43,0	12,5	74	
80	37,5	78,6	72,0	41,0	10,0	72	
78	35,0	77,4	71,5	39,5	7,5	70	
76	32,5	76,0	70,5	38,0	4,5	68	
74	30,0	74,8	70,0	36,0	1,0	66	
72	27,5	73,2	69,0	34,0	...	64	
70	24,5	71,8	68,0	32,0	...	63	
68	21,5	70,0	67,0	30,0	...	62	
66	18,5	68,5	66,0	28,0 ^a	...	61	
64	15,5	66,8	65,0	25,5	...	59	
62	12,5	65,0	63,5	23,0	...	57	
60	10,0	62,5	62,5	21,0	...	55	
58	...	61,0	61,0	19,0	...	53	
56	...	58,8	60,0	17,5	...	52	
54	...	56,5	58,5	12,0	...	50	
52	...	53,5	57,0	...	...	48
50	...	50,5	55,5	...	...	47
48	...	49,0	54,5	...	...	46
47	...	47,0	53,5	...	...	45
46	...	45,0	...	...	...	44
45	...	40,0	...	...	...	42

^aRecalculated in 2012 by interpolation