

HARDNESS CONVERSION TABLE*

BRINELL		ROCKWELL	
DIAM. IN MM. 3000 KG. LOAD, 10 MM BALL	HARDNESS NO.	C SCALE 150 KG. LOAD, 120 DEG. DIAMOND CONE	B SCALE 100 KG. LOAD, 1/16" DIAM. BALL
2.20	780	70	—
2.25	745	68	—
2.30	712	66	—
2.35	682	64	—
2.40	653	62	—
2.45	627	60	—
2.50	601	58	—
2.55	578	57	—
2.60	555	55	—
2.65	534	53	—
2.70	514	52	—
2.75	495	50	—
2.80	477	49	—
2.85	461	47	—
2.90	444	46	—
2.95	429	45	—
3.00	415	44	—
3.05	401	42	—
3.10	388	41	—
3.15	375	40	—
3.20	363	38	—
3.25	352	37	—
3.30	341	36	—
3.35	331	35	—
3.40	321	34	—
3.45	311	33	—
3.50	302	32	—
3.55	293	31	—
3.60	285	30	—
3.65	277	29	—
3.70	269	28	—
3.75	262	26	—
3.80	255	25	—
3.85	248	24	—
3.90	241	23	100
3.95	235	22	99
4.00	229	21	98
4.05	223	20	97
4.10	217	—	96
4.15	212	—	96

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4.20	207	—	95
4.25	202	—	94
4.30	197	—	93
4.35	192	—	92
4.40	187	—	91
4.45	183	—	90
4.50	179	—	89
4.55	174	—	88
4.60	170	—	87
4.65	166	—	86
4.70	163	—	85
4.75	159	—	84
4.80	156	—	83
4.85	153	—	82
4.90	149	—	81
4.95	146	—	80
5.00	143	—	79
5.05	140	—	78
5.10	137	—	77
5.15	134	—	76
5.20	131	—	74
5.25	128	—	73
5.30	126	—	72
5.35	124	—	71
5.40	121	—	70
5.45	118	—	69
5.50	116	—	68
5.55	114	—	67
5.60	112	—	66
5.65	109	—	65
5.70	107	—	64
5.75	105	—	62
5.80	103	—	61
5.85	101	—	60
5.90	99	—	59
5.95	97	—	57
6.00	95	—	56

* Developed by the Iron and Steel Division of the Society of Automotive Engineers.