BRINELL		ROCKWELL				
Indentation Diameter, mm.	Hardness, 10 mm. Tungsten Carbide Ball 3000 kg. Load	C-Scale Hardness Number	B-Scale 100 kg. load, 1/16" Diameter Ball	Diamond Pyramid Hardness Number, Vickers	Shore Scleroscope Hardness Number	Tensile Strength (Approx.) x 1000 psi.
---	---	68	---	940	97	---
---	---	67	---	900	95	---
2.25	745	65.3	---	840	91	---
2.3	712	---	---	---	---	---
2.35	682	61.7	---	737	84	---
2.4	653	60	---	697	81	---
2.45	627	58.7	---	667	79	347
2.5	601	57.3	---	640	77	328
2.55	578	56	---	615	75	313
2.6	555	54.7	---	591	73	298
2.65	534	53.5	---	569	71	288
2.7	514	52.1	---	547	70	273
2.75	495*	51	---	528	68	266
2.8	477	49.6	---	508	66	254
2.85	461	48.5	---	491	65	243
2.9	444	47.1	---	472	63	230
2.95	429	45.7	---	455	61	220
3	415	44.5	---	440	59	212
3.05	401	43.1	---	425	58	202
3.1	388	41.8	---	410	56	193
3.15	375	40.4	---	396	54	184
3.2	363	39.1	---	383	52	177
3.25	352	37.9	-110	372	51	172
3.3	341	36.6	-109	360	50	164
3.35	331	35.5	-108.5	350	48	159
3.4	321	34.3	-108	339	47	154
3.45	311	33.1	-107.5	328	46	149
3.5	302	32.1	-107	319	45	146
3.55	293	30.9	-106	309	43	142
3.6	285	29.9	-105.5	301	42	138
3.65	277	28.8	-104.5	292	41	134
3.7	269	27.6	-104	284	40	131
3.75	262	26.6	-103	276	39	127
3.8	255	25.4	-102	269	38	123
3.85	248	24.2	-101	261	37	120
3.9	241	22.8	100	253	36	116
3.95	235	21.7	99	247	35	114
4	229	20.6	98.2	241	34	111
4.05	223	-18.8	97.3	234	---	107
4.1	217	-17.5	96.4	228	33	105
4.15	212	-16	95.5	222	---	102
4.2	207	-15.2	94.6	218	32	100
4.25	201	-13.8	93.8	212	31	98
4.3	197	-12.7	92.8	207	30	95
4.35	192	-11.5	91.9	202	29	93
4.4	187	-10	90.7	196	---	90

4.45	183	-9	90	192	28	89
4.5	179	-8	89	188	27	87
4.55	174	-6.4	87.8	182	---	85
4.6	170	-5.4	86.8	178	26	83
4.65	167	-4.4	86	175	---	81
4.7	163	-3.3	85	171	25	79
4.75	159	-2	83.9	167	---	78
4.8	156	-0.9	82.9	163	24	76
4.9	149	---	80.8	156	23	73
5	143	---	78.7	150	22	71
5.1	137	---	76.4	143	21	67
5.2	131	---	74	137	---	65
5.3	126	---	72	132	20	63

*BHN above 495 are for carbide ball only
Note: Values shown in parentheses are beyond the normal range and are for comparison only.
(These values shown are based on ASTM E10-93, E140-95 and ASM Reference Book, 3rd Ed.)