

TABELA DE EQUIVALÊNCIA DE DUREZAS, CONFORME ASTM E140

DUREZA ROCKWELL ESCALA C 150G CONE DE DIAMANTE	DUREZA VICKERS PIRÂMIDE DE DIAMANTE	DUREZA BRINELL			DUREZA ROCKWELL			DUREZA ROCKWELL SUPERFICIAL			(HS) NÚMERO DE DUREZA SHORE	RESISTÊNCIA APROXIMADA N/mm ²	DUREZA ROCKWELL ESCALA C 150kg CONE DE DIAMANTE
		ESFERA PADRÃO 10mm	ESFERA HULTGREN 10mm	ESFERA DE METAL DURO 10mm	(HRA) ESCALA A 60kg CONE DE DIAMANTE	(HRB) ESCALA B 100kg ESFERA DE 1/16 POL.	(HRD) ESCALA D 100kg CONE DE DIAMANTE	15N	30N	45N			
68	940				85.6		76.9	93.2	84.4	75.4	97		68
67	900				85.0		76.1	92.9	83.6	74.2	95		67
66	865				84.5		75.4	92.5	82.8	73.3	92		66
65	832			739	83.9		74.5	92.2	81.9	72.0	91		65
64	800			722	83.4		73.8	91.8	81.1	71.0	88		64
63	772			705	82.8		73.0	91.4	80.1	69.9	87		63
62	746			688	82.3		72.2	91.1	79.3	68.8	85		62
61	720			670	81.8		71.5	90.7	78.4	67.7	83		61
60	697		613	654	81.2		70.7	90.2	77.5	66.6	81		60
59	674		599	634	80.7		69.9	89.8	76.6	65.5	80		59
58	653		587	615	80.1		69.2	89.3	75.7	64.3	78		58
57	633		575	595	79.6		68.5	88.9	74.8	63.2	76		57
56	613		561	577	79.0		67.7	88.3	73.9	62.0	75		56
55	595		546	560	78.5		66.9	87.9	73.0	60.9	74	2079	55
54	577		534	543	78.0		66.1	87.4	72.0	59.8	72	2010	54
53	560		519	525	77.4		65.4	86.9	71.2	58.6	71	1952	53
52	544	500	508	512	76.8		64.6	86.4	70.2	57.4	69	1883	52
51	528	487	494	496	76.3		63.8	85.9	69.4	56.1	68	1824	51
50	513	475	481	481	75.9		63.1	85.5	68.5	55.0	67	1755	50
49	498	464	469	469	75.2		62.1	85.0	67.6	53.8	66	1687	49
48	484	451	455	455	74.7		61.4	84.5	66.7	52.5	64	1638	48
47	471	442	443	443	74.1		60.8	83.9	65.8	51.4	63	1579	47
46	458	432	432	432	73.6		60.0	83.5	64.8	50.3	62	1530	46
45	446	421	421	421	73.1		59.2	83.0	64.0	49.0	60	1481	45
44	434	409	409	409	72.5		58.5	82.5	63.1	47.8	58	1432	44
43	423	400	400	400	72.0		57.7	82.0	62.2	46.7	57	1383	43
42	412	390	390	390	71.5		56.9	81.5	61.3	45.5	56	1334	42
41	402	381	381	381	70.9		56.2	80.9	60.4	44.3	55	1294	41
40	392	371	371	371	70.4		55.4	80.4	59.5	43.1	54	1245	40
39	382	362	362	362	69.9		54.6	79.9	58.6	41.9	52	1216	39
38	372	353	353	353	69.4		53.8	79.4	57.7	40.8	51	1177	38
37	363	344	344	344	68.9		53.1	78.8	56.8	39.6	50	1157	37
36	354	336	336	336	68.4	(109.0)	52.3	78.3	55.9	38.4	49	1118	36
35	345	327	327	327	67.9	(108.5)	51.5	77.7	55.0	37.2	48	1079	35
34	336	319	319	319	67.4	(108.0)	50.8	77.2	54.2	36.1	47	1059	34
33	327	311	311	311	66.8	(107.5)	50.0	76.6	53.3	34.9	46	1030	33
32	318	301	301	301	66.3	(107.0)	49.2	76.1	52.1	33.7	44	1000	32
31	310	294	294	294	65.8	(106.0)	48.4	75.6	51.3	32.5	43	981	31
30	302	286	286	286	65.3	(105.5)	47.7	75.0	50.4	31.3	42	951	30
29	294	279	279	279	64.7	(104.5)	47.0	74.5	49.5	30.1	41	932	29
28	286	271	271	271	64.3	(104.0)	46.1	73.9	48.6	28.9	41	912	28
27	279	264	264	264	63.8	(103.0)	45.2	73.3	47.7	27.8	40	883	27
26	272	258	258	258	63.3	(102.5)	44.6	72.8	46.8	26.7	38	863	26
25	266	253	253	253	62.8	(101.5)	43.8	72.2	45.9	25.5	38	843	25
24	260	247	247	247	62.4	(101.0)	43.1	71.6	45.0	24.3	37	824	24
23	254	243	243	243	62.0	100.0	42.1	71.0	44.0	23.1	36	804	23
22	248	237	237	237	61.5	99.0	41.6	70.5	43.2	22.0	35	785	22
21	243	231	231	231	61.0	98.5	40.9	69.9	42.3	20.7	35	775	21
20	238	226	226	226	60.5	97.8	40.1	69.4	41.5	19.6	34	755	20
(18)	230	219	219	219		96.7					33	736	(18)
(16)	222	212	212	212		95.5					32	706	(16)
(14)	213	203	203	203		93.9					31	677	(14)
(12)	204	194	194	194		92.3					29	647	(12)
(10)	196	187	187	187		90.7					28	618	(10)
(8)	188	179	179	179		89.5					27	598	(8)
(6)	180	171	171	171		87.1					26	579	(6)
(4)	173	165	165	165		85.5					25	549	(4)
(2)	166	158	158	158		83.5					24	530	(2)
(0)	160	152	152	152		81.7					24	520	(0)

Na tabela acima, valores entre parenteses não são comumente usados.
Escala Rockwell A, C e D são usados com penetrador de diamante.