

Tabela de Conversão de Durezas Hardness Conversion Chart

(HRC) Dureza Rockwell Escala C 150G Cone de Diamante Rockwell Hardness C Scale 150G Diamond Cone	Dureza Vickers Pirâmide de Diamante Vickers Hardness Diamond Pyramid	Dureza Brinell Brinell Hardness			Dureza Rockwell Rockwell Hardness			Dureza Rockwell Superficial Rockwell Hardness - Superficial			(HS) Número de Dureza Shore Shore Sclero Scope	Resistência Aproximada N/mm² Approximate Resistance N/mm²	(HRC) Dureza Rockwell Escala C 150G Cone de Diamante Rockwell Hardness C Scale 150G Diamond Cone
		Esfera Padrão 10mm Standard Ball 10mm	Esfera Hultgren 10mm Hultgren Ball 10mm	Esfera de Metal Duro 10mm Carbide Ball 10mm	(HRA) Escala A 60kg Cone de Diamante A Scale 60kg Diamond Cone	(HRB) Escala B 100kg Esfera de 1/16 Pol. B Scale 100kg 1/16 inches Ball	(HRC) Escala D 100kg Cone de Diamante D Scale 100kg Diamond Cone	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. Escalas Rockwell A, C e D são usadas com penetrador de diamante.

In above chart, figures with () are not commonly used. Rockwell scale A, C and D are scaled with diamond brale.