

硬度換算表

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NO.	STEEL									
	HRA	HRB	HRC	HRD	15N	30N	45N	HV	HB	HS
	洛氏硬度A標度	洛氏硬度B標度	洛氏C極硬度	洛氏硬度D標度	洛氏表面硬度			維氏硬度	布氏硬度	蕭氏硬度
	60Kgf	100Kgf/1.6mm	150Kgf	100Kgf	15Kgf	30Kgf	45Kgf	50Kgf	3000Kgf/10mm	JIS
1	85.6		68.0	76.9	93.2	84.4	75.4	940.0		97.6
2	85.3		67.5	76.5	93.0	84.0	74.3	920.0		96.4
3	85.0		67.0	76.1	92.9	83.6	74.2	900.0		65.2
4	84.7		65.4	75.5	92.7	83.1	73.6	880.0		94.2
5	84.4		65.9	75.3	92.5	82.7	73.1	860.0		92.8
6	84.1		65.3	74.8	92.3	82.2	72.2	840.0		91.5
7	83.8		64.7	74.3	92.1	81.7	71.8	820.0		90.2
8	83.4		64.0	73.8	91.8	81.1	71.0	800.0		88.9
9	83.0		63.3	73.3	91.5	80.4	70.2	780.0		87.5
10	82.6		62.5	72.6	91.2	79.7	69.4	760.0		86.2
11	82.2		61.8	72.1	91.0	79.1	68.6	740.0		84.8
12	81.8		61.0	71.5	90.7	78.4	67.7	720.0		83.3
13	81.3		60.1	70.8	90.3	77.6	66.7	700.0		81.8
14	81.1		59.7	70.5	90.1	77.2	66.2	690.0		81.1
15	80.8		59.2	70.1	89.8	76.8	65.7	680.0		80.3
16	80.6		58.8	69.8	89.7	76.4	65.3	670.0		79.6
17	80.3		58.3	69.4	89.5	75.9	64.7	660.0		78.8
18	80.0		57.8	69.0	89.2	75.5	64.1	650.0		78.0
19	79.8		57.3	68.7	89.0	75.1	63.5	640.0		77.2
20	79.5		56.8	68.3	88.8	74.6	63.0	630.0		76.4
21	79.2		56.3	67.9	88.5	74.2	62.4	620.0		75.6
22	78.9		55.7	67.5	88.2	73.6	61.7	610.0		74.7
23	78.6		55.2	67.0	88.0	73.2	61.2	600.0		73.9
24	78.4		54.7	66.7	87.8	72.7	60.5	590.0		73.1
25	78.0		54.1	66.2	87.5	72.1	59.9	580.0		72.2
26	77.8		53.6	65.8	87.2	71.7	59.3	570.0		71.3
27	77.4		53.0	65.4	86.9	71.2	58.6	560.0		70.4
28	77.0		52.3	64.8	86.6	70.5	57.8	550.0	505.0	69.6
29	76.7		51.7	64.4	86.3	70.0	57.0	540.0	496.0	68.7
30	76.4		51.1	63.9	86.0	69.5	56.2	530.0	488.0	67.7
31	76.1		50.5	63.5	85.7	69.0	55.6	520.0	480.0	66.8
32	75.7		49.8	62.9	85.4	68.3	54.7	510.0	473.0	65.9
33	75.3		49.1	62.2	85.0	67.7	53.9	500.0	465.0	64.9
34	74.9		48.4	61.6	84.7	67.1	53.1	490.0	456.0	64.0
35	74.5		47.7	61.3	84.3	66.4	52.2	480.0	448.0	63.0
36	74.1		46.8	60.7	83.9	65.7	51.3	470.0	441.0	62.0
37	73.6		46.1	60.1	83.6	64.9	50.4	460.0	433.0	61.0
38	73.3		45.3	59.4	83.2	64.3	49.4	450.0	425.0	60.0
39	72.8		44.5	58.8	82.8	63.5	48.4	440.0	415.0	59.0
40	72.3		43.6	58.2	82.3	62.7	47.4	430.0	405.0	58.0
41	71.8		42.7	57.5	81.8	61.9	46.4	420.0	397.0	56.9
42	71.4		41.8	56.8	81.4	61.1	45.3	410.0	388.0	55.9
43	70.8		40.8	56.0	81.0	60.2	44.1	400.0	379.0	54.8
44	70.3		39.8	55.2	80.3	59.3	42.9	390.0	369.0	53.7
45	69.8	110.0	38.8	54.4	79.8	58.4	41.7	380.0	360.0	52.6
46	69.2		37.7	53.6	79.2	57.4	40.4	370.0	350.0	51.5
47	68.7	109.0	36.6	52.8	78.6	56.4	39.1	360.0	341.0	50.4
48	68.1		35.5	51.9	78.0	55.4	37.8	350.0	331.0	49.3
49	67.6	108.0	34.4	51.1	77.4	54.4	36.5	340.0	322.0	48.1
50	67.0		33.3	50.2	76.8	53.6	35.2	330.0	313.0	48.0
51	66.4	107.0	32.2	49.4	76.2	52.3	33.9	320.0	303.0	45.8
52	65.8		31.0	48.4	75.6	51.3	32.5	310.0	294.0	44.6
53	65.2	105.5	29.8	47.5	74.9	50.2	31.1	300.0	284.0	43.4
54	64.8		29.2	47.1	74.6	49.7	30.4	295.0	280.0	42.8
55	64.5	104.5	28.5	46.5	74.2	49.0	29.5	290.0	275.0	42.2
56	64.2		27.8	46.0	73.8	48.4	28.7	285.0	270.0	41.6
57	63.8	103.5	27.1	45.3	73.4	47.8	27.9	280.0	265.0	40.9
58	63.5		26.4	44.9	73.0	47.2	27.1	275.0	261.0	40.3
59	63.1	102.0	25.6	44.3	72.6	46.4	26.2	270.0	256.0	39.7
60	62.7		24.8	43.7	72.1	45.7	25.2	265.0	252.0	39.0
61	62.4	101.0	24.0	43.1	71.6	45.0	24.3	260.0	247.0	38.4
62	62.0		23.1	42.2	71.1	44.2	23.2	255.0	243.0	37.8
63	61.6	99.5	22.2	41.7	70.6	43.4	22.2	250.0	238.0	37.2
64	61.2		21.3	41.1	70.1	42.5	21.1	245.0	233.0	36.5
65	60.7	98.1	20.3	40.3	69.6	41.7	19.9	240.0	228.0	35.9
66		96.7	18.0					230.0	219.0	34.1
67		95.0	15.7					220.0	209.0	33.2
68		93.4	13.4					210.0	200.0	31.8
69		91.5	11.0					200.0	190.0	30.4
70		89.5	8.5					190.0	181.0	29.0
71		87.1	6.0					180.0	171.0	27.7
72		85.0	3.0					170.0	162.0	26.5
73		81.7	0.0					160.0	152.0	25.0
74		78.7						150.0	143.0	23.7
75		78.0						140.0	133.0	22.1
76		71.2						130.0	124.0	20.6
77		66.7						120.0	114.0	19.1
78		62.3						110.0	105.0	17.6
79		56.2						100.0	95.0	16.1