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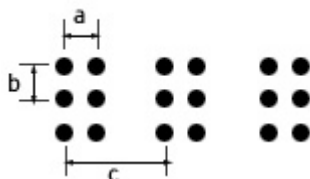
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Reration Braille Cell Dimensions and TIM Dimensions

The size of TIM was decided referring to the size of American standard Braille which is near the mean value in the world. The height of American standard Braille is equal to the maximum height of ISO/IEC7811-1. Minimum value was set to Japan on the other hand. Because, it is the smaller than other countries. We think that 0.3mm is appropriate, considering passing year change about Sweden by 2.5mm.

Braille Cell Dimensions

The standard Braille cell consists of six dots in two columns of three dots.



	Horiz dot to dot mm	Vertical dot to dot mm	Cell to cell mm	Line to line mm	Dot base diam mm	Dot height mm
	a	b	c	d		
Californian Sign	2.2	2.2	7.62	10.16	1.5	0.53
Electronic Braille	2.4	2.4	6.4	--		0.8
English Interline	2.29	2.54	6.00	12.70	1.4 - 1.5	0.46
English Interpoint	2.29	2.54	6.00	10.41	1.4 - 1.5	0.46
English Giant Dot	3.25	3.25	9.78	17.02	1.9	0.81
Enlarged American	2.54	2.54	7.24	12.70		
Enhanced Line Spacing	2.29	2.29	6.1	15.24		
French	2.5 - 2.6	2.5 - 2.6		>10	1.2	0.8 - 1.0
International Building Standard	2.5	2.5	6.1 - 7.6	10.0 - 10.1	1.5 - 1.6	0.6 - 0.9
Italian	2.2 - 2.5	2.2 - 2.5	5.7			0.5
Japanese	2.03	2.03	5.08	8.63		
Japanese	2.13	2.37	5.4	13.91		0.3-0.5

Japanese Interline	2.03	2.03	5.08	12.7		
Jumbo American	2.92	2.92	8.76	12.70	1.7	0.53
Korean	2.17	2.3	5.34	10.43		
Latvia	2.5	2.5	5	10.0	1.6	0.45
Marburg Medium	2.50	2.50	6.00	10.00		
Marburg Large	2.70	2.70	6.60	10.80		
Portuguese	2.29	2.54	6.0	10.41	1.4	
Small English	2.03	2.03	5.38	8.46	1.4 - 1.5	0.33
Spanish	2.5	2.5	6.0	10.0	1.2	
Standard American	2.34	2.34	6.22	10.16	1.45	0.48
Swedish	2.5	2.5	6.0	10	1	0.25