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# **Standard dimensions for the UK Braille Cell**

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## Background

In producing a standard for the UK braille cell, UKAAF considered historical and international documentation (ISO17049 for signage ) as well as specifications from embosser manufacturers before finalising the current UK standard below.

## Cell Dimensions

a) Distance between two dots in the same cell (horizontally)

2.50 mm

b) Distance between two dots in the same cell (vertically)

2.50 mm

c) Distance between corresponding dots in adjacent cells

6.00 mm

d) Distance between corresponding dots from one cell directly below

10.00 mm

e) Dot height

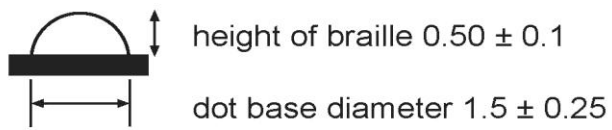
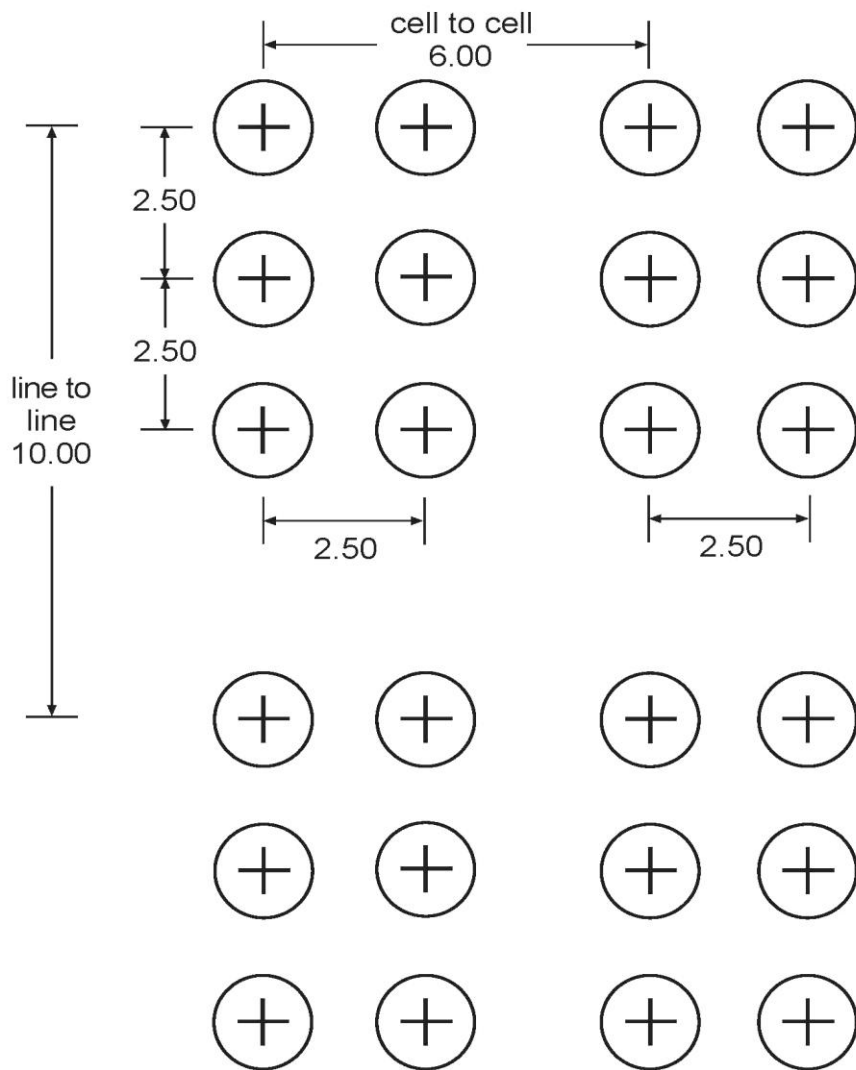
$0.5 \pm 0.1$  mm

f) Dot base dimension

$1.5 \pm 0.25$  mm

## Important Notes

- The standard only applies to paper braille (not electronic braille displays or signage)
- All dimensions are taken from the centre of dots
- The measurements for dot height (e) and dot base (f) have limits of tolerance. This is because unlike other measurements they are affected by the thickness and quality of the paper. Specifically braille embossed directly onto cardboard packaging has a reduced dot height (typically 0.2) due to technical complications.



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