



# Paper Sizes



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## Dimensions Of A Series Paper Sizes

The dimensions of the A series paper sizes, as defined by ISO 216, are given in the table below in both millimetres and inches (cm measurements can be obtained by dividing mm value by 10). The A Series paper size chart to the right gives a visual explanation of how the sizes relate to each other - for example A5 is half of A4 size paper and A2 is half of A1 size paper.

### Table of Paper Sizes From 4A0 to A10

Size	Height x Width (mm)	Height x Width (in)
4A0	2378 x 1682 mm	93.6 x 66.2 in
2A0	1682 x 1189 mm	66.2 x 46.8 in
A0	1189 x 841 mm	46.8 x 33.1 in
A1	841 x 594 mm	33.1 x 23.4 in
A2	594 x 420 mm	23.4 x 16.5 in

A3	420 x 297 mm	16.5 x 11.7 in
A4	297 x 210 mm	11.7 x 8.3 in
A5	210 x 148 mm	8.3 x 5.8 in
A6	148 x 105 mm	5.8 x 4.1 in
A7	105 x 74 mm	4.1 x 2.9 in
A8	74 x 52 mm	2.9 x 2.0 in
A9	52 x 37 mm	2.0 x 1.5 in
A10	37 x 26 mm	1.5 x 1.0 in

To obtain paper sizes in centimetres, convert mm values to cm by dividing by 10 and in feet by dividing inch values by 12.

## 4A0 & 2A0 - The DIN 476 Oversize Formats

The paper sizes bigger than A0, 4A0 & 2A0, aren't formerly defined by ISO 216 but are commonly used for oversized paper. The origin of these formats is in the German DIN 476 standard, that was the original base document from which ISO 216 was derived.

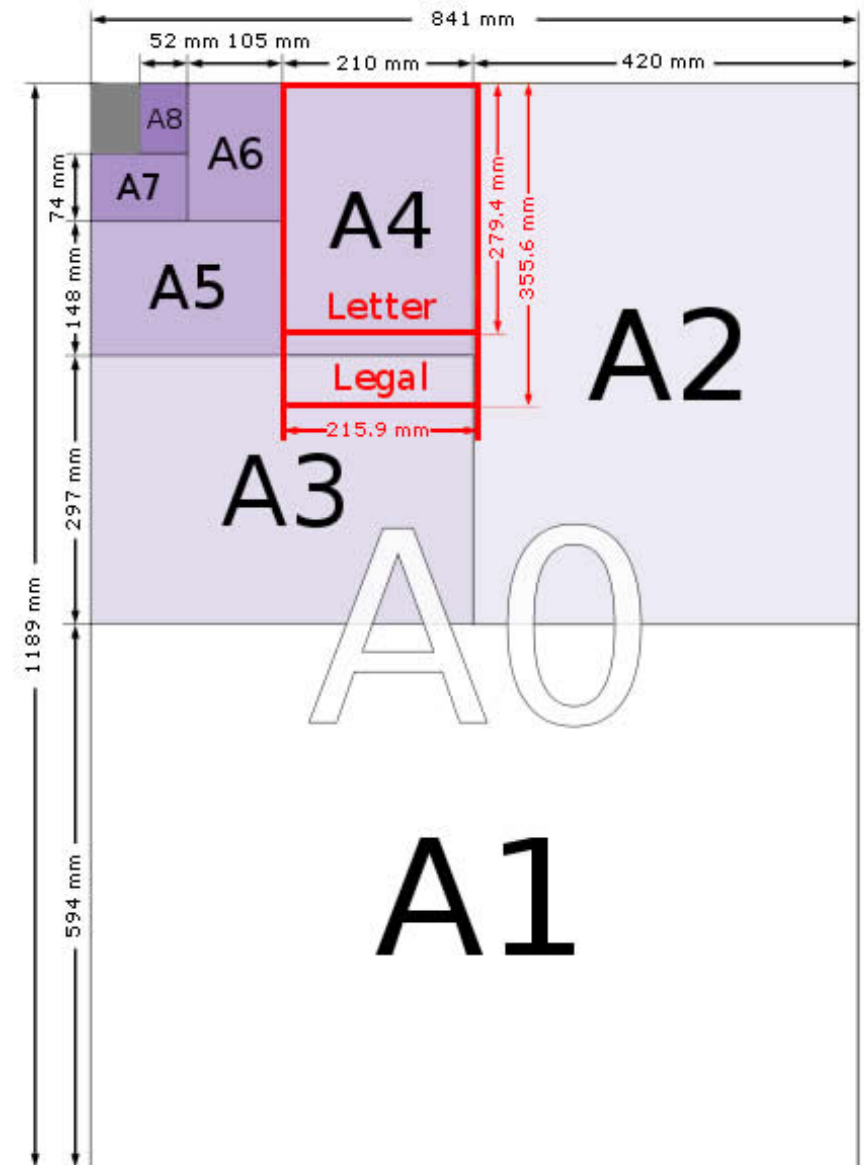
## A Series Paper Size Tolerances

ISO 216 specifies tolerances for the production of A series paper sizes as follows:

- $\pm 1.5$  mm (0.06 in) for dimensions up to 150 mm (5.9 in)
- $\pm 2$  mm (0.08 in) for lengths in the range 150 to 600 mm (5.9 to 23.6 in)
- $\pm 3$  mm (0.12 in) for any dimension above 600 mm (23.6 in)

## A Series Paper Sizes Defined

The A series paper sizes are defined in ISO 216 by the following requirements:



A Series Paper Sizes Chart.

Image courtesy of [Office 365](http://www.office365.com).

- The length divided by the width is 1.4142
- The A0 size has an area of 1 square metre.
- Each subsequent size A(n) is defined as A(n-1) cut in half parallel to its shorter sides.
- The standard length and width of each size is rounded to the nearest millimetre.

Note: For reference the last item is there because the root 2 aspect ratio doesn't always give a whole number.

## International Usage

The A series paper sizes are now in common use throughout the world apart from in the [US, Canada and parts of Mexico](#). The A4 size has become the standard business letter size in English speaking countries such as Australia, New Zealand and the UK, that used to use [British Imperial sizes](#). In Europe the A paper sizes were adopted as the formal standard in the mid 20th century and from there they spread across the globe.