

Paper & Board Sizes

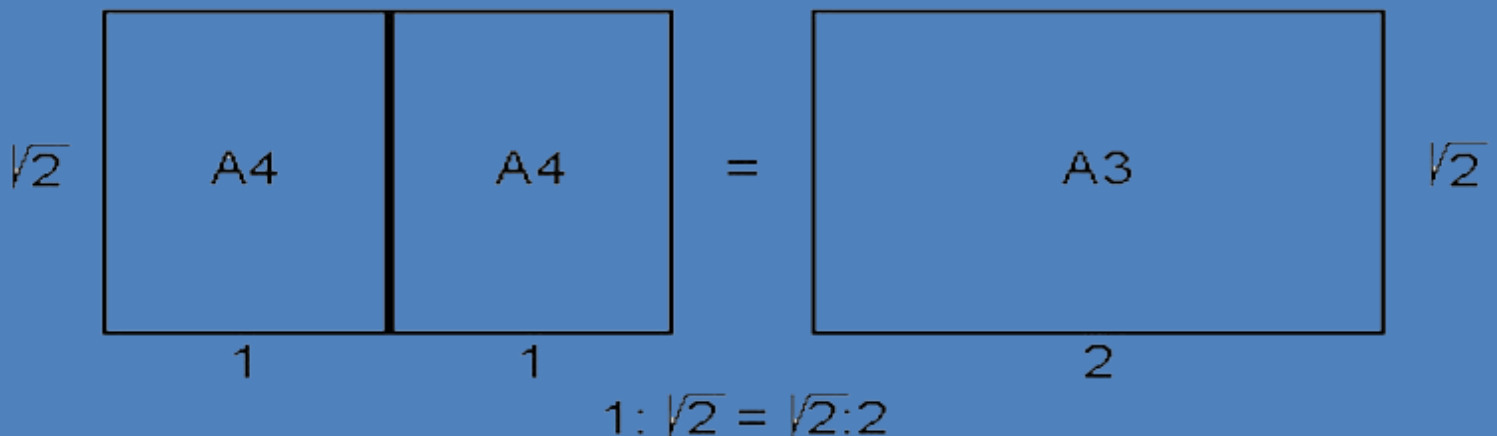
In the ISO paper size system, all pages have a height-to-width ratio of the square root of two (1:1.4142).

This aspect ratio is especially convenient for paper size. If you put two pages with this aspect ratio next to each other, or equivalently cut one parallel to its shorter side into two equal pieces, then the resulting page will again have the same width/height ratio.

The ISO paper size concept :

The ISO paper sizes are based on the metric system. The square-root-of-two ratio does not allow the height and width of the pages to be nicely rounded metric lengths. Therefore, the area of the pages has been defined to have nice metric values. As paper is usually specified in g/m^2 , this allows easy calculation of the mass of a document if the format and number of pages are known.

In McKee's formula the empirical relationship is reduced by substituting the buckling load with the bending stiffness because they are almost proportional. McKee also found that there is a correlation between the material and geometric properties of the combined board and its bending stiffness. The box compression strength is given by McKee's formula as follows:



Sheet size A0 has an area of 1 m².

The ratio of the sides of A and B series papers is 1:2.

A SERIES - FOR ALL PRINTING WORK:

SHEET SIZE	MILLIMETRES
4A0	1682 x 2378
2A0	1189 x 1682
A0	841 x 1189
A1	594 x 841
A2	420 x 594
A3	297 x 420
A4	210 x 297
A5	148 x 210
A6	105 x 148
A7	74 x 105
A8	52 x 74
A9	37 x 52
A10	26 x 37

B SERIES - FOR POSTERS, WALL CHARTS, ETC:

SHEET SIZE	MILLIMETRES
B0	1000 x 1414
B1	707 x 1000
B2	500 x 707
B3	353 x 500
B4	250 x 353
B5	176 x 250
B6	125 x 176
B7	74 x 105
B8	62 x 88
B9	44 x 62
B10	31 x 44

C SERIES - FOR ENVELOPES OR FOLDERS TO TAKE A SERIES ITEMS

SHEET SIZE	MILLIMETRES
C0	917 x 1297
C1	648 x 917
C2	458 x 648
C3	324 x 458
C4	229 x 324
C5	162 x 229
C6	114 x 162
C7	81 x 114
C8	57 x 81

C9	40 x 57
C10	28 x 40

STOCK SIZES - FOR NORMAL TRIMS

SHEET SIZE	MILLIMETRES
RA0	860 x 1220
RA1	610 x 860
RA2	430 x 610
RA3	305 x 430
RA4	215 x 305

STOCK SIZES - FOR BLEEDS OR EXTRA TRIMS

SHEET SIZE	MILLIMETRES
SRA0	900 x 1280
SRA1	640 x 900
SRA2	450 x 640
SRA3	320 x 450
SRA4	225 x 320

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