

## 1. Basic sizes

### Factors for converting ream and basis weights to grammage

Paper grade	Trade size 500 sheet ream (inches)	Grammage (g/m <sup>2</sup> ) to ream weight	Ream weight to grammage
Writing & Printing	17" x 22"	0.266	3.760
Cover	20" x 26"	0.370	2.704
Cardboard	22" x 28"	0.438	2.282
Bristol and tag	22.5" x 28.5"	0.456	2.195
Tag & Converting (3000 ft <sup>2</sup> )	24" x 36"	0.614	1.627
Book	25" x 38"	0.675	1.480
Former standard size	25" x 40"	0.711	1.406
Paperboard	24" x 36"	0.614	1.627
	or 1000 ft <sup>2</sup>	0.205	4.881

### Comparison of ISO and North American paper sizes

ISO sizes			North American sizes		
Designation	mm	Inches	Designation	mm	Inches
A0	841 x 1,189	33 1/8" x 46 3/4"	NA0	889 x 1,143	35" x 45"
A1	594 x 841	23 3/8" x 33 1/8"	NA1	559 x 864	22" x 34"
A2	420 x 594	16 1/2" x 23 3/8"	NA2	432 x 559	17" x 22"
A3	297 x 420	11 2/3" x 16 1/2"	NA3	279 x 432	11" x 17"
A4	210 x 297	8 1/4" x 11 3/4"	NA4	216 x 279	8 1/2" x 11"
A5	148 x 210	5 7/8" x 8 1/4"	NA5	139 x 216	5 1/2" x 8 1/2"
A6	105 x 148	4 1/8" x 5 7/8"	NA6	108 x 139	4 1/4" x 5 1/2"

**Note:** If the conversion factor for a sheet is not listed, the ream weight or grammage can be calculated using the following formulas:

Converting ream weight (lb./500 sheets) to grammage

Lb./ream = sheet area in square inches x 0.000711

**Source:** Based on Tappi standard T410.