
International Standard



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Graphic technology — Text-books and periodicals — Sizes of untrimmed sheets and trimmed pages

Technologie graphique — Livres et périodiques — Formats bruts et formats finis des pages

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6716 was developed by Technical Committee ISO/TC 130, *Graphic technology*, and was circulated to the member bodies in April 1982.

It has been approved by the member bodies of the following countries :

Australia	Egypt, Arab Rep. of	New Zealand
Austria	Finland	South Africa, Rep. of
Brazil	France	Sweden
China	India	USSR
Czechoslovakia	Italy	

The member body of the following country expressed disapproval of the document on technical grounds :

United Kingdom

Graphic technology — Text-books and periodicals — Sizes of untrimmed sheets and trimmed pages

1 Scope and field of application

This International Standard specifies sizes of untrimmed sheets and corresponding trimmed pages for text books and periodicals.

The sizes of paper used for the different steps of production, from printing machine untrimmed sheets to trimmed pages, have been compiled in table 3, showing their relationship.

2 References

ISO 216, *Writing paper and certain classes of printed matter — Trimmed sizes — A and B Series*.

ISO 217, *Unprocessed writing and printing paper — Method of expression of dimensions and direction of manufacture*.

ISO 478, *Paper — Untrimmed stock sizes for the ISO-A Series — ISO primary range*.

ISO 593, *Paper — Untrimmed stock sizes for the ISO-A Series — ISO supplementary range*.

ISO 3872, *Graphic technology — Sheet-fed printing machines — Range of sizes*.

3 Textbooks

The sheet sizes specified in table 1 are especially intended for text-books and other books for professional information but may also apply to other books.

Sizes and directions of manufacture of the paper are given in accordance with ISO 217.

The relationship between sizes of untrimmed sheets and pages and trimmed pages are given in table 3.

4 Periodicals

Table 2 specifies untrimmed sheet sizes for periodicals. The relationship between sizes of untrimmed sheets and pages and trimmed pages are given in table 3.

Table 1 — Text-books — Sheet sizes

Untrimmed sheet sizes cm	Number of pages	Nominal size of trimmed pages	
		Designation	Size * mm
100 M × 140	64		169 × 239
89 M × 124	64	A5	148 × 210
89 × 124 M	32	A4	210 × 297
88 M × 112	64		
86 M × 122	64	A5	148 × 210
86 × 122 M	32	A4	210 × 297
70 × 100 M	32		169 × 239

* Tolerances on trimmed sizes of paper (A and B series) are applicable.

Table 2 — Periodicals — Sheet sizes

Untrimmed sheet sizes cm	Number of pages	Nominal size of trimmed pages	
		Designation	Size * mm
100 M × 140	64		169 × 239
89 M × 124	64	A5	148 × 210
89 × 124 M	32	A4	210 × 297
86 M × 122	64	A5	148 × 210
86 × 122 M	32	A4	210 × 297
70 × 100 M	32		169 × 239

* Tolerances on trimmed sizes of paper (A and B series) are applicable.

5 Relationship between sizes

The relationship between sizes of sheet-fed printing machines and paper sizes, untrimmed and trimmed, used in the graphic industry for the production of text-books and periodicals, is illustrated in table 3.

Table 3 contains sizes from ISO 216, ISO 478, ISO 593 and ISO 3872, supplemented by a series of sizes related to the common sheet-fed, printing machine sizes of 102 cm × 142 cm,

71 cm × 102 cm, etc. (see table 3). An intended purpose of this series is to replace the B series when trimming of untrimmed sheets from printing machines of the sizes P142, P102, P71 and P51 is desired.

Some existing printing and book-binding machines and methods may require waste margins for trimming. Consequently the lowest deviation of the tolerances on trimmed sizes of paper have been retained for the determination of the acceptable minimum size of trimmed pages given in table 3.

Table 3 — Relationship between sizes

Printing machines		Untrimmed sheets		Untrimmed pages	Trimmed pages		
					Nominal sizes		Acceptable minimum size
Designation	Maximum paper size cm	Designation	Size cm	Size mm	Designation	Recommended size * mm	
P142	102 × 142		100 M × 140	175 × 250		169 × 239	165 × 235
P128	90 × 128		89 M × 124 89 × 124 M	155 × 222 222 × 310	A5 A4	148 × 210 210 × 297	145 × 208 208 × 295
P128	90 × 128		88 M × 112	140 × 220		136 × 210	133 × 208
P128	90 × 128	RA0 RA0	86 M × 122 86 × 122 M	152 × 215 215 × 305	A5 A4	148 × 210 210 × 297	145 × 208 208 × 295
P102	71 × 102		70 × 100 M	175 × 250		169 × 239	165 × 235
P96	66 × 96		62 × 89 M 61 M × 86	155 × 222 215 × 305	A5 A4	148 × 210 210 × 297	145 × 208 208 × 295
P71	51 × 71	RA1	50 M × 70	175 × 250		169 × 239	165 × 235
P64	46 × 64	SRA2 SRA2	45 M × 64 45 × 64 M	160 × 225 225 × 320	A5 A4	148 × 210 210 × 297	145 × 208 208 × 295
P51	35,5 × 51		35 × 50 M	175 × 250		169 × 239	165 × 235

* Tolerances on trimmed sizes of paper (A and B series) are applicable.