International Standard 8489/1

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Textile machinery and accessories — Cones for cross-wound winding — Part 1 : Values of half-angles, lengths and large inner diameters

Matériel pour l'industrie textile — Cônes pour bobinage croisé — Partie 1 : Valeurs des demi-angles, longueurs et grands diamètres intérieurs

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Foreword

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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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

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Textile machinery and accessories — Cones for cross-wound winding — Part 1 : Values of half-angles, lengths and large inner diameters

0 Introduction

The values given in this International Standard should help to reduce the number of existing cones for cross-wound winding. Their use is recommended for new designs.

This part of ISO 8489 is to be considered as the basic standard regarding the main dimensions of cones for cross-wound winding. The assignment of different values for half-angles of cones, lengths and large inner diameters currently in use is shown in the annex, for information.

For particular applications, subsequent parts of ISO 8489 may be published. Such subsequent parts may show additional values which are not included in this part of ISO 8489. In such an event the reason for the inclusion of the additional values will be clearly stated.

1 Scope and field of application

This part of ISO 8489 lays down values to be chosen for half-angles of cones for cross-wound winding, lengths and large inner diameters used in the field of textile machinery.

2 References

ISO 110, *Textile machinery and accessories — Cones for yarn winding (cross wound) — Half angle of the cone* 9°15′.

ISO 111, *Textile machinery and accessories — Cones for yarn winding (cross wound) — Half angle of the cone* 4°20′.

ISO 112, *Textile machinery and accessories — Cones for yarn winding (cross wound) — Half angle of the cone* 3°30′.

ISO 324, *Textile machinery and accessories — Cones for cross winding for dyeing purposes — Half angle of the cone* 4°20′.

ISO 5237, *Textile machinery and accessories — Cones for yarn winding (cross wound) — Half angle of the cone* 5°57′.

3 Dimensions of cones

Values given in tables 1, 2 and 3 are taken from ISO 110, ISO 111, ISO 112, ISO 324 and ISO 5237. These International Standards give full information on dimensions, tolerances, cone materials, use of gauges and checking of cone length.

Table 1 — Half-angles

3°30′	4°20′	5°57′	9°15′

Table 2 — Lengths

Values in millimetres

110	140	145	170	175	200	230	290	340	390	450

Table 3 — Large inner diameters[1)]

Values in millimetres

33	36	46	55	(58)	59	62	63	65	68	71,5	77	80	81	104	105

1) The diameters are related to the half-angles of cones (see annex).

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