
INTERNATIONAL STANDARD



1150

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Textile machinery and accessories — Closed-end drop wires for mechanical and electrical warp stop motions and automatic drawing-in machines

Matériel pour l'industrie textile — Lamelles fermées pour casse-chaînes mécaniques et électriques pour machines à rentrer automatiques

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[ISO 1150:1978](https://standards.iteh.ai/catalog/standards/sist/4346e23c-19ca-4f2d-af5f-eb41c62bdd95/iso-1150-1978)

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Ref. No. ISO 1150-1978 (E)

Descriptors : textile machinery, drop wires, warp stop motions, dimensions, dimensional tolerances.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (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 set up 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 1150 was developed by Technical Committee ISO/TC 72, *Textile machinery and accessories*, and was circulated to the member bodies in February 1977.

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

Belgium	Kenya	Spain
Czechoslovakia	Korea, Rep. of	Switzerland
France	Mexico	Turkey
Germany	Netherlands	United Kingdom
India	Poland	U.S.S.R.
Italy	Romania	Yugoslavia
Japan	South Africa, Rep. of	

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No member body expressed disapproval of the document.

This International Standard cancels and replaces ISO Recommendation R 1150-1969, of which it constitutes a technical revision.

Textile machinery and accessories – Closed-end drop wires for mechanical and electrical warp stop motions and automatic drawing-in machines

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1 SCOPE

This International Standard specifies the principal dimensions and tolerances of two types of closed-end drop wires for automatic drawing-in machines (combined for USTER and BARBER-COLMAN systems).

– type E for electrical warp stop motions

The dimensions of both types of drop wire are given in the relevant tables and figures. The principal dimensions are based on ISO 441.

2 FIELD OF APPLICATION

This International Standard applies to closed-end drop wires of the following types :

- type M for mechanical warp stop motions

3 REFERENCE

ISO 441, *Textile machinery and accessories – Drop wires for mechanical and electrical warp stop motions.*

4 DIMENSIONS

4.1 Drop wires Type M for mechanical warp stop motions with preselection by means of hole in the upper slot

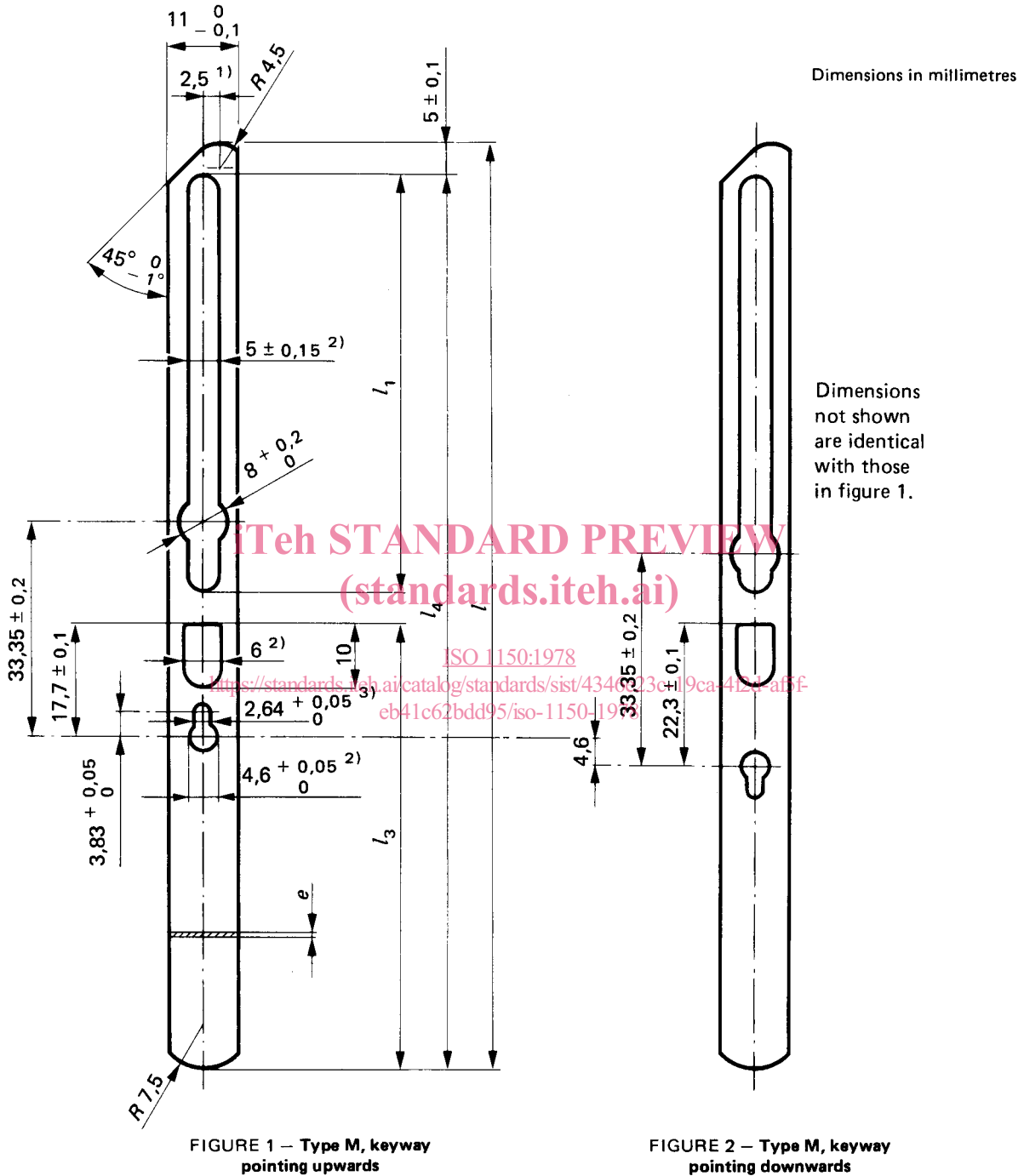


FIGURE 1 – Type M, keyway pointing upwards

FIGURE 2 – Type M, keyway pointing downwards

Example of designation for drop wires for mechanical warp stop motion (M), with a length of 145 mm, a width of 11 mm and a thickness of 0,3 mm :

Drop wires M 145 × 11 × 0,3 ISO 1150 ¹⁾³⁾

- 1) If requested by the purchaser, the drop wires shall be supplied with the chamfered tops alternating.
- 2) The maximum amount by which the openings may be off-centre shall be 0,125 mm.
- 3) Half of the drop wires in any delivery should have keyways pointing upwards and the other half pointing downwards. If so requested by the purchaser, the drop wires shall be supplied with the keyholes alternating.

TABLE 1 – Drop wires type M

Length l mm	Thickness e mm	Length of upper slot l_1 mm	Length of lower part l_3 mm	Length exclusive top part l_4 mm	Mass \approx g
125	0,15	53	$62 \pm 0,125$	$120 \pm 0,15$	1,2
	0,2				1,7
	0,3				2,5
	0,4				3,3
145	0,15	65	$70 \pm 0,125$	$140 \pm 0,15$	1,4
	0,2				1,9
	0,3				2,9
	0,4				3,8
	0,5				4,8
165	0,2	65	$90 \pm 0,125$	$160 \pm 0,15$	2,2
	0,3				3,3
	0,4				4,4
	0,5				5,5

4.2 Drop wires Type E for electrical warp stop motions with preselection by means of lower cut-out

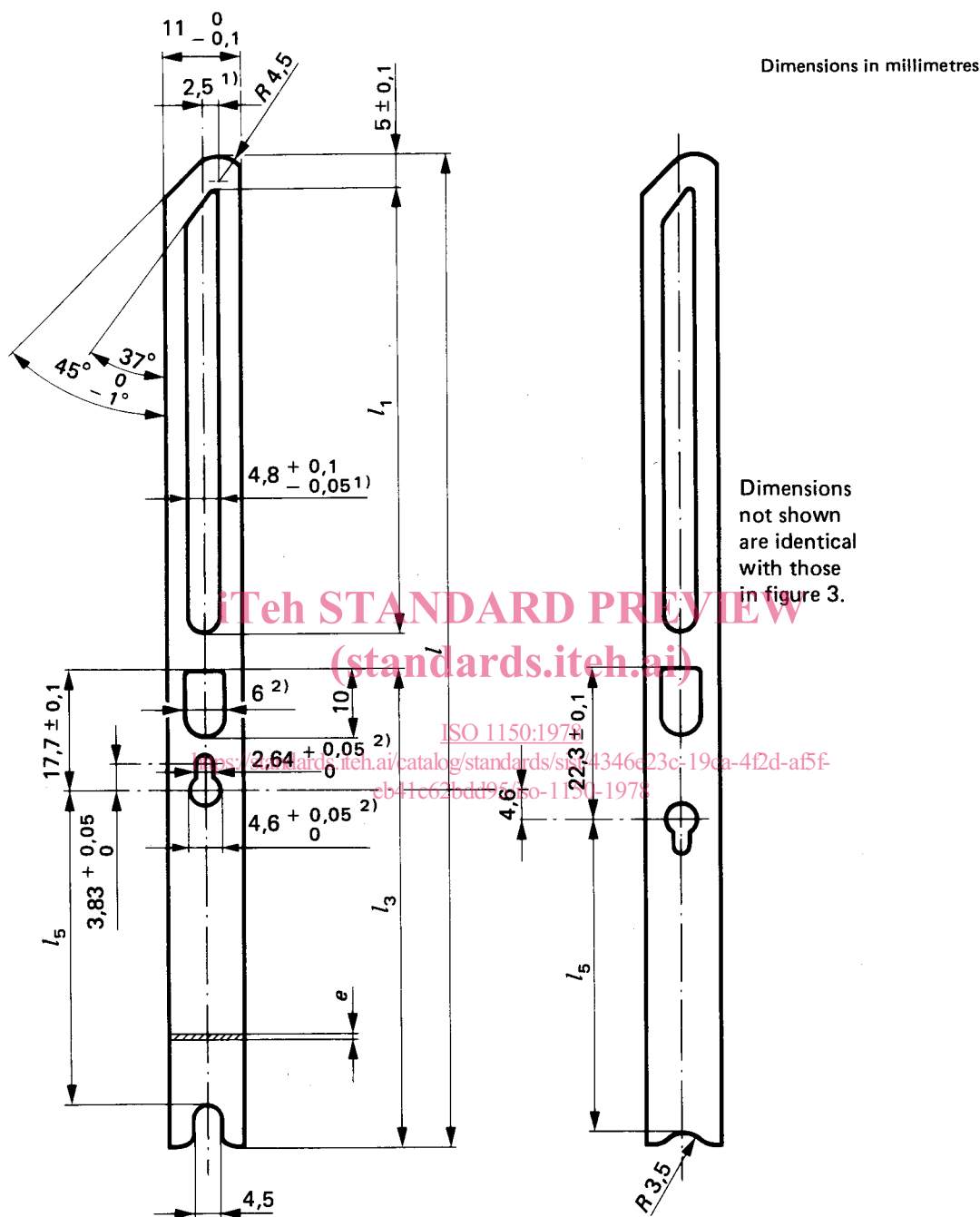


FIGURE 3 – Type E, keyway pointing upwards

FIGURE 4 – Type E, keyway pointing downwards

Example of designation for drop wires for electrical warp stop motion (E), with a length of 125 mm, a width of 11 mm and a thickness of 0,2 mm :

Drop wires E 125 × 11 × 0,2 ISO 1150 ¹⁾³⁾

- 1) If requested by the purchaser, the drop wires shall be supplied with the chamfered tops alternating.
- 2) The maximum amount by which the openings may be off-centre shall be 0,125 mm.
- 3) Half of the drop wires in any delivery should have keyways pointing upwards and the other half pointing downwards. If so requested by the purchaser, the drop wires shall be supplied with the keyholes alternating.

TABLE 2 – Drop wires type E

Length l mm	Thickness e mm	Length of upper slot l_1 mm	Length of lower part l_3 mm	Distance from base of lower cut-out to centre of keyhole l_5 mm	Mass \approx g
$125 \pm 0,15$	0,15	53	$62 \pm 0,125$	$37,95 \pm 0,1$	1,2
	0,2				1,7
	0,3				2,5
	0,4				3,3
$145 \pm 0,15$	0,15	65	$70 \pm 0,125$	$45,95 \pm 0,1$	1,4
	0,2				1,9
	0,3				2,9
	0,4				3,8
	0,5				4,8
$165 \pm 0,15$	0,2	65	$90 \pm 0,125$	$65,95 \pm 0,1$	2,2
	0,3				3,3
	0,4				4,4
	0,5				5,5

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