
International Standard



6171

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

Textile machinery and accessories — Bead wires and corresponding grooves for cards — Main types and dimensions

Matériel pour l'industrie textile — Fils de bord pour cartes et rainures correspondantes — Principaux types et dimensions

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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 6171 was developed by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, and was circulated to the member bodies in August 1981.

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

Australia	Germany, F.R.	South Africa, Rep. of
Belgium	India	Spain
Brazil	Italy	Switzerland
Bulgaria	Japan	Turkey
China	Korea, Rep. of	United Kingdom
Czechoslovakia	Poland	USSR
Egypt, Arab Rep. of	Romania	Yugoslavia

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

France

Textile machinery and accessories — Bead wires and corresponding grooves for cards — Main types and dimensions

1 Scope and field of application

This International Standard specifies the details and cross-sections of the main types of bead wires, base and end wires together with their corresponding grooves and application as used for mounting or fastening metallic card clothing on rollers.

2 Reference

ISO 5234, *Textile machinery and accessories — Metallic card clothing — Terms and definitions.*

3 Types of bead wires and corresponding grooves for cards

3.1 Z type of bead wire

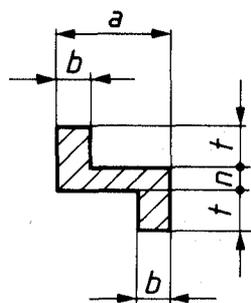


Figure 1 — Section of Z type wire

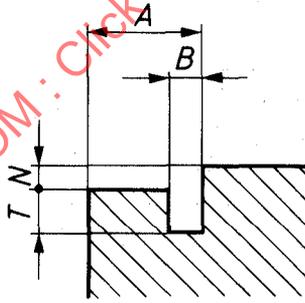


Figure 2 — Groove for Z type wire

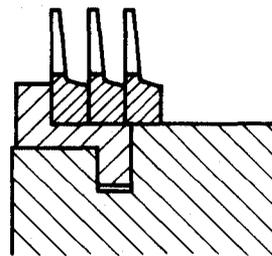


Figure 3 — Application of Z type wire on roller

Table 1 — Dimensions of Z type bead wire and corresponding groove

Values in millimetres

a	b 1)	n	t	A_{\min}	B 2)	N 2)	T_{\min}
$5 \pm 0,05$	$1,5 \pm 0,03$	$1,5 \pm 0,05$	$1,75 \pm 0,05$	5	1,5	1,5	1,85

1) Deviations other than those stated can be agreed between the user and manufacturer.

2) Deviations according to the choice of the manufacturer.

3.2 I type of bead wire (plain type)

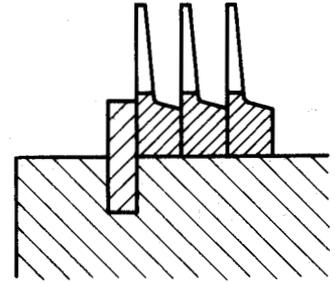
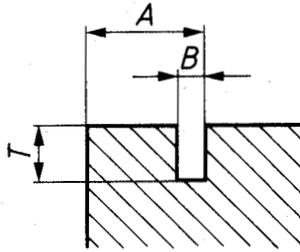
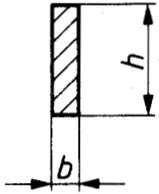


Figure 4 – Section of I type wire

Figure 5 – Groove for I type wire

Figure 6 – Application of I type wire on roller

Table 2 – Dimensions of I type bead wire and corresponding groove

Values in millimetres

b 1)	h	A	B 2)	T 3)
$1 \pm 0,03$	$3,5 \pm 0,10$		1	
$1,5 \pm 0,03$	$4,5 \pm 0,10$		1,5	

1) Deviations other than those stated can be agreed between the user and manufacturer.

2) Deviations according to the choice of the manufacturer.

3) The values for A and T are left to the choice of the manufacturer.

3.3 L type of bead wire (Anti-flock)

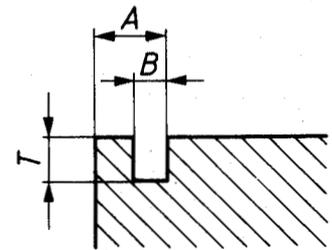
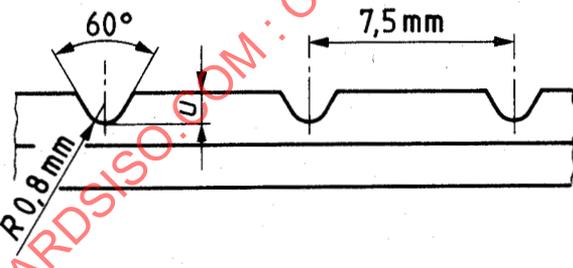
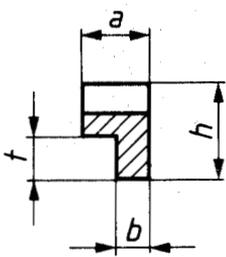


Figure 7 – Section and front view of L type wire

Figure 8 – Groove for L type wire

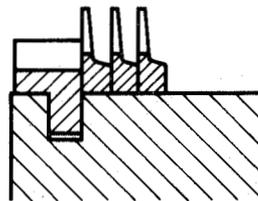


Figure 9 – Application of L type wire on roller