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# International Standard



# 6170

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

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## Spinning machinery — Condenser rubbers for cards

*Machines de filature — Manchons-frotteurs (de sortie) de cartes*

First edition — 1983-05-01

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[ISO 6170:1983](#)

<https://standards.iteh.ai/catalog/standards/sist/4a543462-9c24-472c-9cca-2c2c2d7d0351/iso-6170-1983>



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UDC 677.051.178.6

Ref. No. ISO 6170-1983 (E)

**Descriptors** : textile machinery, spinning frames, cards (machines), erasers, dimensions.

## 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 6170 was developed by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, and was circulated to the member bodies in May 1982.

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

Belgium	Italy	Spain
Brazil	Korea, Rep. of	Switzerland
Czechoslovakia	Netherlands	Turkey
Egypt, Arab Rep. of	Poland	United Kingdom
France	Romania	USSR
India	South Africa, Rep. of	Yugoslavia

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

Japan

# Spinning machinery – Condenser rubbers for cards

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## 1 Scope and field of application

This International Standard lays down the main dimensions of condenser rubbers for cards. [ISO 6170:1983](https://standards.iteh.ai/catalog/standards/sis/4549462-9c24-472e-9cca-2c2c2d7d0351/iso-6170-1983)

2 Terminology and symbols

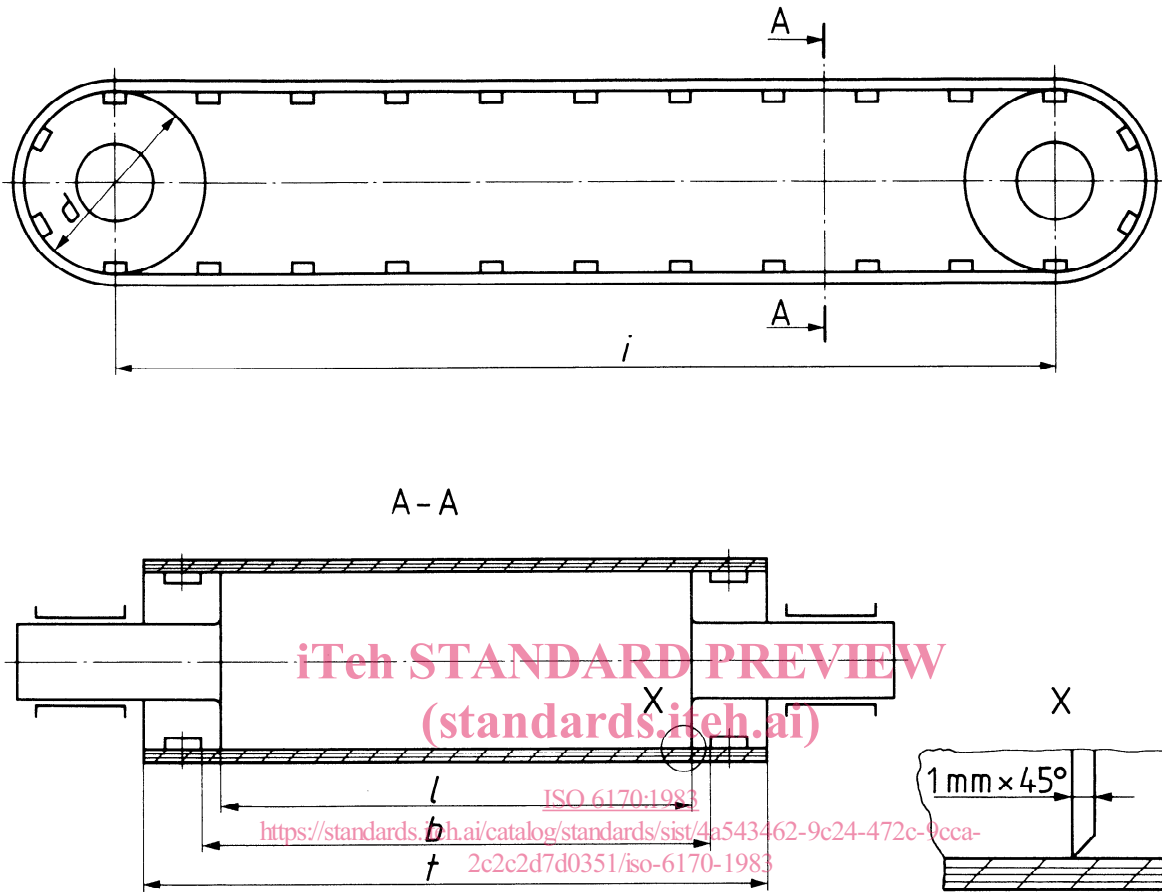


Figure – Condenser rubber, with rollers

- $d$  = diameter of roller body
- $i$  = average distance between roller centres
- $i_{\max}$  = maximum distance between roller centres
- $i_{\min}$  = minimum distance between roller centres
- $l$  = width of roller body
- $b$  = distance between the buttons inside the condenser rubber
- $t$  = overall width of the condenser rubber
- $c$  = internal circumference of the condenser rubber (excluding buttons)
- $n$  = number of grooves per 100 mm on the outside surface of the condenser rubber
- $p$  = pitch, distance between centre to centre of grooves

### 3 Dimensions

**Table 1 – Main dimensions of condenser rubbers**

Values in millimetres

$b$	$t$	$c$
$l + 10$	$l + (60 \dots 80)$	900
		940
		970
		1 010
		1 050
		1 200

**Table 2 – Number of grooves on external surface and corresponding pitch**

Number of grooves per 100 mm $\frac{n}{100 \text{ mm}}$	Pitch $p$ mm	Permitted deviation
0	—	—
16	6,25	± 5 %
20	5	
24	4,2	
65	1,5	

ISO 6170:1983

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### 4 Designation

The designation of a condenser rubber shall include the following information in the order given :

- name;
- reference to this International Standard;
- the internal circumference of the condenser rubber (excluding buttons);
- the overall width of the condenser rubber;
- the distance between the buttons inside the condenser rubber;
- the number of grooves per 100 mm on the outside surface of the condenser rubber.

*Example*

Designation of a condenser rubber with  $c = 1\ 010$  mm,  $t = 2\ 630$  mm,  $b = 2\ 560$  mm and  $n = 20 \frac{1}{100 \text{ mm}}$  ( $p = 5$  mm) :

**Condenser rubber ISO 6170 - 1 010 × 2 630 × 2 560 - 20**

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