
International Standard



3914/3

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**Textile machinery and accessories — Cylindrical tubes —
Part 3: Tubes for tape yarns**

Matériel pour l'industrie textile — Tubes cylindriques — Partie 3: Tubes pour lames textiles

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Descriptors : textile machinery, winding, tapes, beams (textile machinery), cylindrical shape, specifications, dimensions, dimensional measurements.

Price based on 2 pages

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been established 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3914/3 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*.

Although this is a first edition of ISO 3914/3, it is based on the 1972 edition of ISO 2065 (with the same title), of which it constitutes a minor technical revision.

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Textile machinery and accessories — Cylindrical tubes — Part 3: Tubes for tape yarns

1 Scope and field of application

This part of ISO 3914 specifies the dimensions of cylindrical tubes for tape yarns.

The preferred use of these dimensions will reduce the unnecessary variety of tubes now on the market.

The dimensions are applicable to cylindrical tubes used for the winding of tape yarns or strips produced by cutting or splitting man-made film.

2 Reference

ISO 3914/1, *Textile machinery and accessories — Cylindrical tubes — Part 1: Recommended values of inner diameters and lengths.*

3 Dimensions and tolerances

The values for the inner diameter and the length of the tube are given in the table.

Dimensions which are not specified are left to the discretion of the manufacturer.

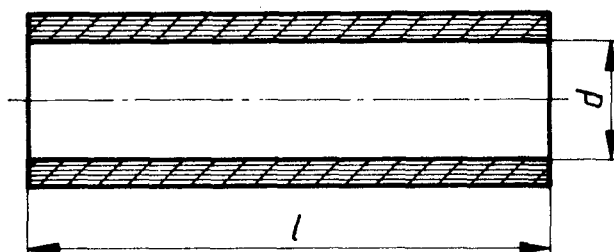


Figure — Cylindrical tube

Table — Inner diameters and lengths

Values in millimetres

Inner diameter d $\pm 0,3$	Length l	
	Tolerance	
56	175*	$\pm 1,0$
	190*	
90	175*	$\pm 1,0$
	190*	
	230	$\pm 1,3$
290		

* These values are not included in the recommended values listed in ISO 3914/1. They are currently in worldwide use but should be avoided for new designs.

NOTE — If additional diameters and lengths should become necessary in the future, these shall be chosen from the series given in ISO 3914/1.

4 Characteristics

The following details shall be specified in the order:

- material:
 - paper,
 - plastic;
- treatment:
 - impregnated,
 - non-impregnated;
- wall thickness.

Other details are subject to agreement between the user and the manufacturer.

5 Check on inner diameter and length of tube

To check the inner diameter of the tube a "go/not go" type gauge shall be used.

To verify the tolerances of the length of the tube, a suitable gauge for checking lengths, for example a slide-gauge, shall be used.

- a) name;
- b) reference to this part of ISO 3914;
- c) the inner diameter;
- d) the length.

Example:

A cylindrical tube for tape yarns with an inner diameter $d = 90$ mm and of length $l = 230$ mm shall be designated as follows:

Cylindrical tube ISO 3914/3 - 90 × 230

6 Designation

The designation of a cylindrical tube for tape yarns shall include the following information, in the order given:

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