

INTERNATIONAL STANDARD

ISO 3914-4

First edition
1989-12-15

Textile machinery and accessories — Cylindrical tubes —

Part 4: Tubes for textured yarns

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Matériel pour l'industrie textile — Tubes cylindriques —

Partie 4: Tubes pour fils texturés (stretch)

[ISO 3914-4:1989](https://standards.iteh.ai/catalog/standards/sist/085ba2a3-c57d-40c4-8e48-f244cf7cb1d0/iso-3914-4-1989)

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Reference number
ISO 3914-4 : 1989 (E)

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. Each 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 3914-4 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*.

ISO 3914 will consist of the following parts under the general title *Textile machinery and accessories — Cylindrical tubes* :

- *Part 1: Recommended values of inner diameters and lengths*
- *Part 2: Tubes for open-end spinning machines*
- *Part 3: Tubes for tape yarns*
- *Part 4: Tubes for textured yarns*
- *Part 5: Tubes for flat drawn filament yarns*
- *Part 6: Tubes for cross-winding and twisting*

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International Organization for Standardization

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Textile machinery and accessories — Cylindrical tubes —

Part 4: Tubes for textured yarns

1 Scope

This part of ISO 3914 specifies the inner diameters and lengths of cylindrical tubes with plain end (type A) and rolled-in end (type B) for textured yarns.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 3914. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to

agreements based on this part of ISO 3914 are encouraged to investigate the possibility of applying the most recent editions of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3914-1 : 1982, *Textile machinery and accessories — Cylindrical tubes — Part 1: Recommended values of inner diameters and lengths.*

3 Dimensions

See figures 1 and 2, and table 1.

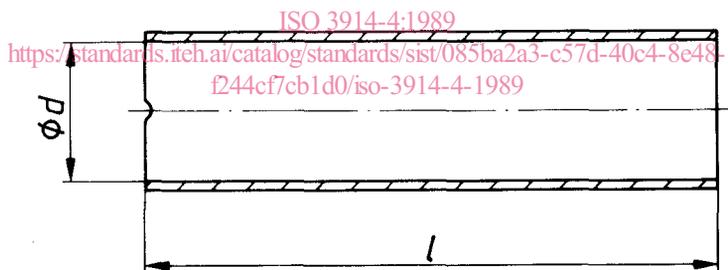


Figure 1 — Cylindrical tube with plain end (type A)

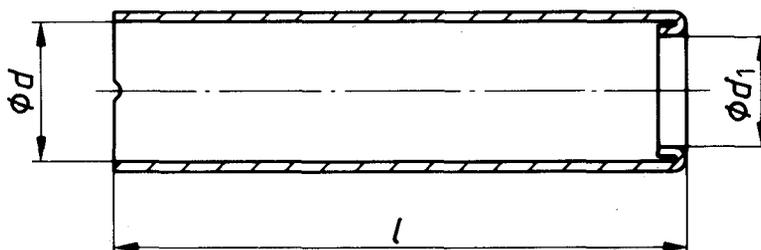


Figure 2 — Cylindrical tube with rolled-in end (type B)

Table 1 — Inner diameters and lengths

Dimensions in millimetres

Inner diameter d $\pm 0,2$	Length l ± 1	d_1 $\pm 0,5$
69	190*)	56
	230	
	250*)	
	290	
75*)	300*)	63

*) 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:

- a) material:
 - paper,
 - plastics;
- b) treatment:
 - impregnated,
 - non-impregnated;
- c) 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.

6 Designation

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

- a) "Cylindrical tube";
- b) reference to this part of ISO 3914;
- c) type (A or B);
- d) the inner diameter;
- e) the length.

EXAMPLE

A cylindrical tube for textured yarns, type A, with an inner diameter $d = 69$ mm and of length $l = 290$ mm shall be designated as follows:

<https://standards.iteh.ai/catalog/standards/sist/085ba2a3-c57d-40c4-8e48-f244cf7cb1d0/iso-3914-4-1989> Cylindrical tube ISO 3914-4 A-69 × 290

UDC 677.052.96 : 677.072.7

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

Price based on 2 pages