
International Standard



3914/1

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

**Textile machinery and accessories – Cylindrical tubes –
Part 1 : Recommended values of inner diameters
and lengths**

Matériel pour l'industrie textile – Tubes cylindriques – Partie 1 : Valeurs recommandées des diamètres intérieurs et des longueurs

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Descriptors : textile machinery, pipes (tubes), dimensions, diameters, length.

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 3914/1 was developed by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, and was circulated to the member bodies in July 1981.

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

ISO 3914-1:1982

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

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

China

This International Standard cancels and replaces International Standard ISO 3914-1976, of which it constitutes a technical revision.

Textile machinery and accessories — Cylindrical tubes — Part 1 : Recommended values of inner diameters and lengths

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0 Introduction

The values given in this International Standard should help to reduce the abundance of existing cylindrical tubes. Their use is recommended for new designs.

This part of ISO 3914 is to be considered as the basic standard regarding the main dimensions of cylindrical tubes. The assignment of different values for lengths and inner diameters, currently in use, are shown in the annex, for information.

For particular applications (for example for open-end spinning machines), subsequent parts of ISO 3914 may be published. Such subsequent parts may show additional values which are not included in this part. In such an event the reasons for the inclusion of the additional values will be clearly stated.

1 Scope and field of application

This part of ISO 3914 lays down recommended values to be chosen for inner diameters and lengths of cylindrical tubes used in the field of textile machinery.

2 Reference

ISO 3, *Preferred numbers — Series of preferred numbers.*

3 Dimensions

Table 1 — Inner diameters d

Values in millimetres

12,5	16	25	33 *	45	56	63	69 *	80	90	125	140	180
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NOTE — In the event of the need for intermediate values, they shall be chosen from the R 20 series of preferred numbers (see ISO 3).

Table 2 — Lengths l

Values in millimetres

75	115 *	145 *	170	200	230 *	290 *	340 *	400	450
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* Value given for practical reasons, but not included in the basic series of ISO 3.

Annex

Combinations of different values for lengths and inner diameters currently in use

Length <i>l</i>	Values in millimetres															
	Inner diameter <i>d</i>	12,5	16	25	33	45	54	56	63	69	73	75	80	90	94	140
75	X															
115																
145	X	X		X		X	X									X
150																
170		X	X	X	X	X	X	X				X			X	
200			X				X							X		
205																
230					X		X		X			X			X	
290							X		X	X	X	X	X	X		
300												X	X	X	X	
340												X			X	

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