

INTERNATIONAL STANDARD



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Textile machinery and accessories

Spindle gauges for ring-spinning and ring-doubling frames

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Descriptors : spindle gauge, spinning frames, textile machinery, textile twisters.

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 94 (originally Draft International Standard ISO/DIS 2104) was drawn up by Technical Committee ISO/TC 72, *Textile machinery and accessories*.

It was approved in March 1971 by the Member Bodies of the following countries:

Belgium	Netherlands	Turkey
Germany	New Zealand	U.A.R.
France	Poland	United Kingdom
India	Switzerland	U.S.S.R.

The Member Body of the following country expressed disapproval of the document on technical grounds :

Czechoslovakia

This International Standard cancels and replaces ISO Recommendation R 94-1959.

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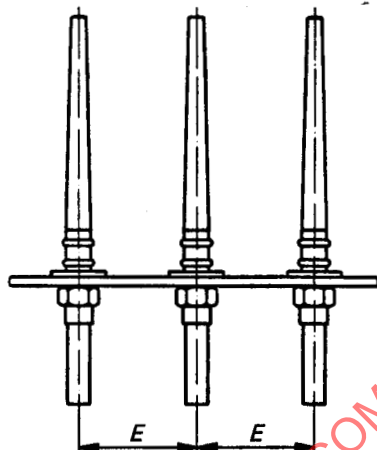
1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the spindle gauges for ring-spinning and ring-doubling frames.

Table 1 gives the sizes of spindle gauges, with a "principal series" of sizes which are particularly recommended and a "secondary series" of sizes which are to be avoided as far as possible.

Table 2 shows, as a function of the principal fields of application of the frames and of the spindle gauges, the usual ranges of use of this equipment.

2 DIMENSIONS



The spindle gauge E is the distance between the axes of two adjoining spindles.

TABLE 1 — Spindle gauge E

Dimensions in millimetres

Principal series	Secondary series
65	67
70	80
75	85
82.5	95
90	105
100	115
110	120
125	150
140	165
160	170
180	175
200	190
225	215
250	240
280	300
315	320
355	
400	

TABLE 2 — Ranges of use according to spindle gauge

Spindle gauge E	Ring-spinning frames			Twisting frames	Man-made fibres, continuous filament
	cotton	worsted	woollen		
65	X				
67					
70	X				
75	X	X		X	
80		(X)		(X)	
82.5	X	X		X	
85					
90	X	X	X	X	
95					
100	X	X	X	X	
105					
110	X	X	X	X	
115					
120					
125		X	X	X	
140		X	X	X	
150					
160			X	X	X
165					
170					
175					
180			X	X	X
190					
200			X	X	X
215					
225			X	X	X
240					
250				X	X
280				X	X
300					
315					X
320					
355					X
400					X

The sizes in bold type are those of the principal series.

In each column, the crosses show the range of use and the sizes from the corresponding series.

The commonest ranges of use are indicated by a dotted background and framed with heavy lines.