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Textile machinery and accessories — Spinning preparatory and spinning machinery — Main dimensions of coverings for top rollers

Matériel pour l'industrie textile — Matériel de préparation de filature et de filature — Dimensions principales des garnitures pour cylindres supérieurs

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Foreword

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International Standard ISO 98 was prepared by Technical Committee ISO/TC 72, *Textile machinery and machinery for dry-cleaning and industrial laundering*, Subcommittee SC 1, *Spinning preparatory, spinning, twisting and winding machinery and accessories*.

This third edition cancels and replaces the second edition (ISO 98:1977), which has been technically revised.

Textile machinery and accessories — Spinning preparatory and spinning machinery — Main dimensions of coverings for top rollers

1 Scope

This International Standard specifies the main dimensions of coverings for ready-for-use top rollers (synthetic coverings). It is applicable to spinning preparatory and spinning machinery.

2 Symbols

d_1 bare roller diameter

d_2 diameter with covering (finished ground)

b width of covering

F saddle force

B type of execution of covering with rectangular sides (see Figure 1 and Figure 2)

C type of execution of covering with beveled sides (see Figure 1 and Figure 2)

D type of execution of covering with rounded sides (see Figure 1 and Figure 2)

3 Dimensions

3.1 Single-boss top rollers

The main dimensions of coverings for single-boss top rollers used for spinning preparatory machinery (e.g. draw-frames and comber), are given in Figure 1 and Tables 1, 2 and 3 (see Figure 2 for twin-boss top rollers). In the case of single-boss top rollers with removable bushings execution is similar to that shown in Figure 3.

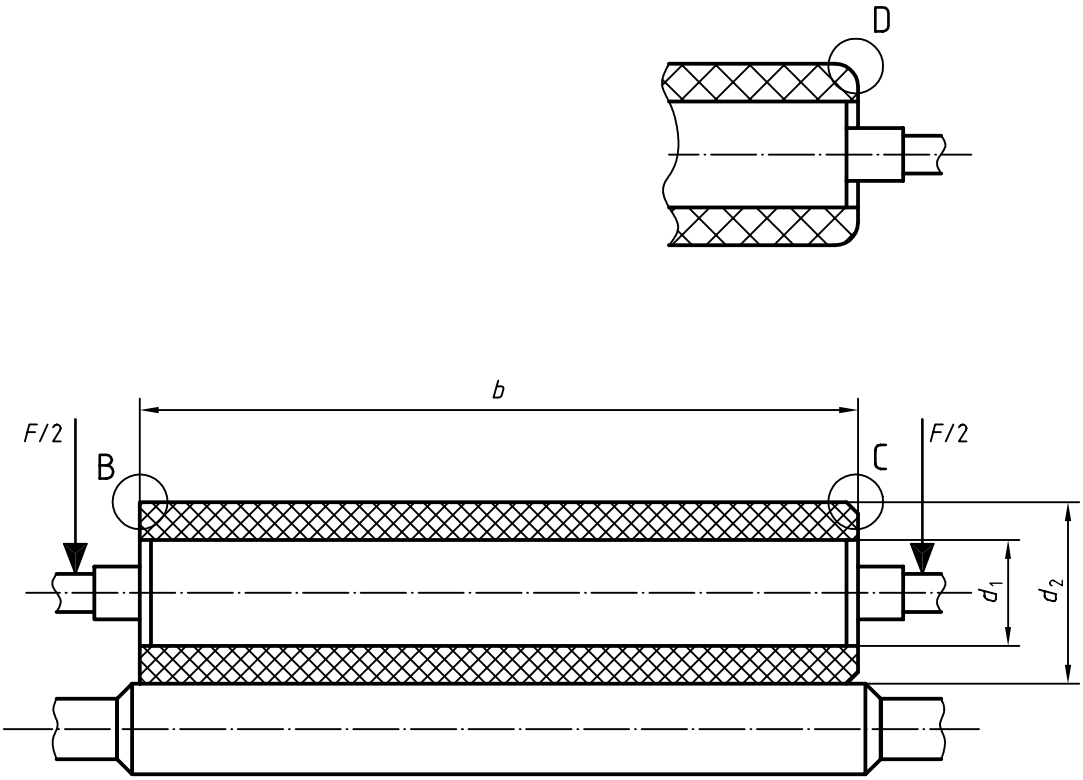

Figure 1 — Diameters and covering widths for single-boss top rollers

Table 1 — Bare roller diameter

Dimensions in millimetres

d_1	16	18	19	23	26	28	30	35	40	45	50	55	60	65	70	75	80
NOTE For $d_1 > 80$, in increments of 10.																	

Table 2 — Roller diameter with covering (finished ground)

Dimensions in millimetres

d_2	25	28	32	34	36	40	45	50	55	60	65	70	75	80	85	90
NOTE For $d_2 > 90$, in increments of 10.																

Table 3 — Width of covering

Dimensions in millimetres

b	80	90	100	110	125	140	160	180	200	220	250	280	315	355	400	450

3.2 Twin-boss top rollers

The main dimensions of coverings for twin-boss top rollers used for spinning and roving frames are given in Figure 2 and Tables 4, 5 and 6. In the case of twin-boss top rollers with removable bushings, execution is similar to that shown in Figure 3.

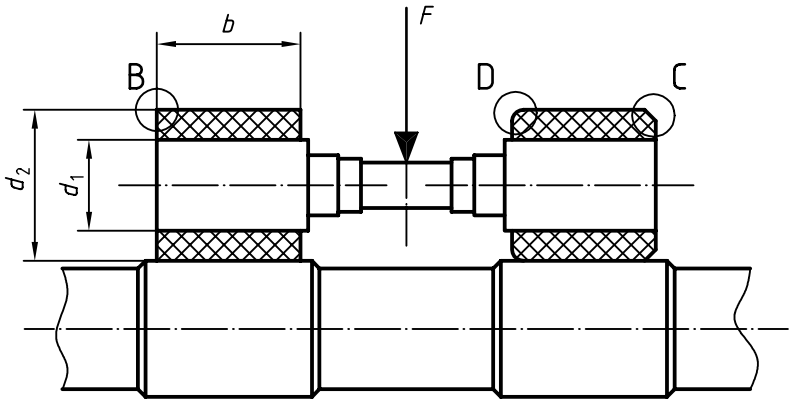

Figure 2 — Diameters and covering widths for twin-boss top rollers

Table 4 — Bare roller diameter

Dimensions in millimetres

d_1	19	23	25	28	30	35	40	45	50	55	60
NOTE For $d_1 > 60$, in increments of 10.											

Table 5 — Roller diameter with covering (finished ground)

Dimensions in millimetres

d_2	25	28	30	32	35	40	45	50	55	60	65	70	75	80
NOTE For $d_2 > 80$, in increments of 5.														

Table 6 — Width of covering

Dimensions in millimetres

b	25	28	30	32	34	35	40	45	50	55	60
NOTE For $b > 60$, in increments of 10.											

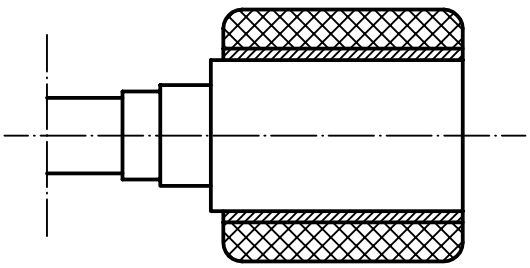

Figure 3 — Covering fixed to a removable bushing

4 Designation of coverings

The designation shall include a reference to this International Standard, followed by the dimensions d_1, d_2 and b expressed in millimetres, the Shore A hardness, the type of execution and the saddle force F expressed in decanewtons.

If no specification is given by the buyer, the manufacturer may supply any of the three executions, B, C or D.

EXAMPLE A covering in accordance with ISO 98 of dimensions $d_1 = 28$ mm, $d_2 = 40$ mm and $b = 160$ mm, a Shore A hardness of 80, of execution type B and a force $F = 40$ decanewtons is designated as follows:

ISO 98-28 × 40 × 160-80-B-40

ICS 59.120.10

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