

INTERNATIONAL STANDARD**5233**

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

**Textile machinery and accessories – Bottom fluted rollers
for drafting systems***Matériel pour l'industrie textile – Cylindres inférieurs cannelés pour systèmes d'étirage*

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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 5233 was developed by Technical Committee ISO/TC 72, *Textile machinery and accessories*, and was circulated to the member bodies in May 1977.

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

Belgium	Italy	South Africa, Rep. of
Czechoslovakia	Japan	Spain
Egypt, Arab Rep. of	Netherlands	Switzerland
France	Philippines	Turkey
Germany, F.R.	Poland	United Kingdom
India	Romania	U.S.S.R.

No member body expressed disapproval of the document.

Textile machinery and accessories — Bottom fluted rollers for drafting systems

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the diameters and the widths of fluted bosses on bottom rollers for spinning preparatory and spinning machinery.

2 REFERENCES

ISO 94, *Textile machinery and accessories — Spindle gauges for ring-spinning and ring-doubling frames.*

ISO 98, *Textile machinery and accessories — Spinning preparatory and spinning machinery — Covering characteristics of top rollers.*

ISO 3464, *Textile machinery and accessories — Bearings for bottom rollers and allied dimensions — Caps with central nose and caps with side lugs.*

3 DIMENSIONS

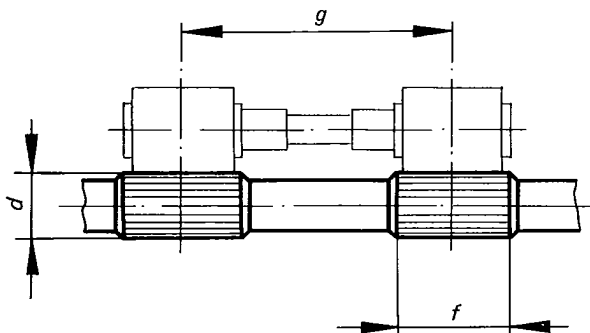


FIGURE 1 – Bottom fluted rollers for spinning frames and roving frames

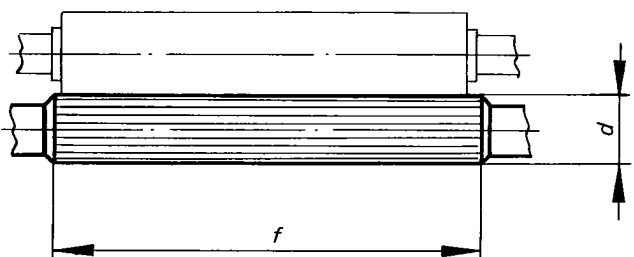


FIGURE 2 – Bottom fluted roller for spinning preparatory machines

d = fluted roller diameter

f = fluted field width

g = gauge

The dimension g shall be in accordance with the values specified for E in ISO 94 and the gauges of the drafting delivery heads according to the different types of machine.

TABLE 1

Fluted roller diameters

d
mm
(20)
(22)
25
27
(28)
30
32
35
38
40
45
50
55
60
65
70
80
90
100

TABLE 2

Fluted field widths

f
mm
(30)
32
36
40
45
50
56
63
70
80
90
100
110
125
140
160
180
200
220
250
280
315
355
400
450
500

NOTES

1 It is preferable to use the values which are not in parentheses.

2 There is no relation between the two tables.