

Castors and wheels — Castors and wheels for applications up to 1,1 m/s (4 km/h)

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ICS 21.180; 53.060

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 March 1999

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Amendments issued since publication

Amd. No.	Date	Text affected

ICS 21.180; 53.060

Descriptors: wheels, castors, handling equipment, characteristics, product requirements, dimensions, tests, conformity tests, marking

English version

Castors and wheels — Castors and wheels for applications up to 1,1 m/s (4 km/h)

Roues et roulettes — Roues et roulettes pour des applications jusqu'à 1,1 m/s (4 km/h)

Räder und Rollen — Transportgeräterollen bis zu einer Geschwindigkeit von 1,1 m/s (4 km/h)

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 324, Castors and wheels, the Secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 1999, and conflicting national standards shall be withdrawn at the latest by March 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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This European Standard specifies the technical requirements, the appropriate dimensions and the requirements for testing.

2 Normative references

EN 12526:1998, *Castors and wheels — Vocabulary, recommended symbols and multilingual dictionary*.
EN 12527:1998, *Castors and wheels — Test methods and apparatus*.

3 Definitions

4 Dimensions and classification

- fixing system (4.1);
- offset (4.2);
- wheel (4.3);
- load capacity (4.4).

The fixing system includes top plate, solid stem and single bolt fixing.

Top plates are identified by classification and include triangular with three fixing holes and rectangular top plates with four fixing holes.

The design of the outer profile is left to the manufacturer, provided that it is inscribed in a square of maximum size $A \times A$ as in Table 1 and Figure 1.

Figure 1 — Triangular top plate

The design of the outer profile is left to the manufacturer, provided that it is inscribed in a rectangle of maximum size $A \times B$ as in Table 2 and Figure 2.

The fixing holes are located at the corners of a rectangle inscribed in the outer profile. The holes may be oblong and form slots, provided the width of the slot is suitable for bolts of diameter (G_1) as in Table 2. Table 2 lists the standardized dimensions of the different classes of top plates, showing for each the corresponding wheel diameter (D) where it is applicable.