



**NSAI**  
Standards

Irish Standard  
I.S. EN 12533:1998

Castors and wheels - Castors and wheels for applications over 1,1 m/s (4 km/h) and up to 4,4 m/s (16 km/h)

**I.S. EN 12533:1998**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 12533:1998 is the adopted Irish version of the European Document EN 12533:1998, Castors and wheels - Castors and wheels for applications over 1,1 m/s (4 km/h) and up to 4,4 m/s (16 km/h)

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EUROPEAN STANDARD

EN 12533

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1998

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ICS 21.180; 53.060

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

English version

## Castors and wheels - Castors and wheels for applications over 1,1 m/s (4 km/h) and up to 4,4 m/s (16 km/h)

Roues et roulettes - Roues et roulettes pour des applications à plus de 1,1 m/s (4 km/h) et jusqu'à 4,4 m/s (16 km/h)

Räder und Rollen - Räder und Rollen für eine Geschwindigkeit über 1,1 m/s (4 km/h) und bis zu 4,4 m/s (16 km/h)

This European Standard was approved by CEN on 30 August 1998.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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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.

## 1 Scope

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

This European Standard applies to castors and wheels (which may include accessories) specifically for manually propelled or power towed industrial applications at speeds over 1,1 m/s (4 km/h) and up to 4,4 m/s (16 km/h).

Pneumatic wheels and drive wheels are excluded from this standard.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply only to this European standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 12526 : 1998 Castors and wheels: Vocabulary, recommended symbols and multilingual dictionary

EN 12527 : 1998 Castors and wheels: Test methods and apparatus

ISO 7619 Rubber - Determination of indentation hardness by means of pocket hardness meters

## 3 Definitions

For the purpose of this European Standard, definitions and recommended symbols of EN 12526 : 1998 apply.

The castors and wheels are divided into three categories: A, B and C. These categories define three increasing speed ratings and listed in table 1.

**Table 1: Categories**

Category	A	B	C
Speed m/s (km/h)	1,7 (6)	2,8 (10)	4,4 (16)

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