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## Passenger car tyres and rims —

### Part 2: Rims

*Pneumatiques et jantes pour voitures particulières —  
Partie 2: Jantes*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

The committee responsible for this document is ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 3, *Passenger car tyres and rims*.

This sixth edition cancels and replaces the fifth edition (ISO 4000-2:2013), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the article of valve hole for snap-in valve and clamp-in valve has been divided;
- the tolerance of circumference for round hump has been corrected.

A list of all parts in the ISO 4000 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Passenger car tyres and rims —

## Part 2: Rims

### 1 Scope

This document specifies the designation, contour and dimensions of 5° tapered (drop-centre) rims primarily intended for passenger cars.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3911, *Wheels and rims for pneumatic tyres — Vocabulary, designation and marking*

ISO 9413, *Tyre valves — Dimensions and designation*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3911 and ISO 9413 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <https://www.electropedia.org/>

### 4 Designation and marking

The rim shall be designated by its nominal rim-diameter code, nominal rim-width code and rim flange type (e.g. 15 × 6 J or 13 × 5.50 B) defined by ISO 3911.

### 5 5° tapered (drop-centre) rims

#### 5.1 Rim flanges

Recommended rim flange contours are given in [Table 1](#) for the nominal rim diameter codes.

Table 1 — Recommended rim flanges

Nominal rim-diameter code	Rim flange
10	B
12	
13	
14	J
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
28	
30	

## 5.2 Rim contours

Dimensions and tolerances of the rims shall be as given in [Figure 1](#) and [Table 2](#). Optional hump contours and their dimensions are given in [Figure 2](#) and [Table 3](#).

The rim contour shall be rotational symmetric except for the valve hole area.

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