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Passenger vehicle wheels — Clip balance weight and rim flange nomenclature, test procedures and performance requirements

Roues pour véhicules particuliers — Nomenclature des masselottes d'équilibrage clippées et des rebords de jantes, méthodes d'essai et exigences de performance



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Foreword

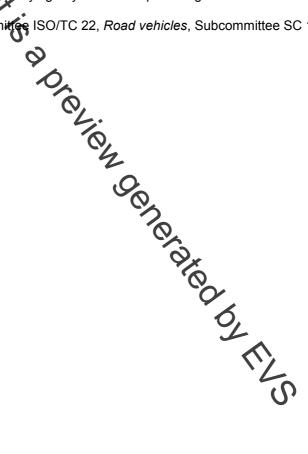
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Introduction

This International Standard addresses clip balance weights used on passenger car wheels. It provides general features and configurations of the clip balance weights and rim dimensions and defines terms used to describe these features.

features and configurations of the clip balance weights and tim dimensions and dennes to describe these features. This International mendard provides test procedures to evaluate weight retention on the wheel.

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Passenger vehicle wheels — Clip balance weight and rim flange nomenclature, test procedures and performance requirements

1 Scope

This International Standard specifies procedures and minimum performance requirements for testing without tyres the retention of dip balance weights for use on wheels for passenger vehicles. It also specifies general features for configurations of clip balance weights and rim flanges for light alloy and steel wheels intended for use on passenger cars. Alternative materials and geometries can be considered in the future.

2 Normative reference

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited apples. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 4000-1, Passenger car tyres and rims — Party: Tyres (metric series)

ISO 4000-2, Passenger car tyres and rims — Part 2.Rn

ISO 4223-1, Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres

3 Terms and definitions

For the purposes of this document, the definitions given in ISO (23-1, ISO 4000-1, ISO 4000-2, ISO 3911 and the following apply.

3.1

balance weight assembly

assembly of the weight and the clip, which is intended for mounting on the tight ange to balance the tyre/wheel assembly about its axis of rotation and thus minimize vibrations due to the rotation of the tyre/wheel assembly

NOTE Figure 1 gives the terminology and nomenclature of balance weight assembly.

3.1.1

weight

material of a specified mass with contours to conform to the surface of the rim flange

3.1.2

clip

specially formed metal affixed to the weight to mount the balance weight on the rim flange

3.1.3

spur

optional part of a clip that protrudes from its surface interfacing with the rim flange