INTERNATIONAL STANDARD



First edition 2008-08-01

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



Reference number ISO 13988:2008(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below

Anis document is a preview denerated by Fig.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Case postale 56 • CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.org Web www.iso.org Published in Switzerland

Contents

Forew	ordiv
Introd	uctionv
1	Scope1
2	Normative reference
3	Terms and definitions
4	Rim flange ty
5 5.1 5.2 5.3 5.4 5.5	Test procedure 7 Preparation of balance weights for test 7
	a preview
	Preparation of the when
	TT_S

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 Maison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 13988 was prepared by Technical Committee ISO/TC 22, Road vehicles, Subcommittee SC 19, Wheels.



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.

this document is a preview denerated by EUS

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