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Motorcycle tyres — Test methods for verifying tyre capabilities

Pneumatiques pour motocycles — Méthodes d'essai pour la vérification de l'aptitude des pneumatiques

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Foreword

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This document was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 10, *Cycle, moped, motorcycle tyres and rims*.

This fifth edition cancels and replaces the fourth edition (ISO 10231:2022), which has been technically revised.

The main changes are as follows:

— clarification of the tolerance for plunger diameter (see 4.2);

— clarification of the tolerance for slip angle and camber angle in endurance and high-speed test (see 4.4).

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Motorcycle tyres — Test methods for verifying tyre capabilities

1 Scope

This document specifies test methods for verifying the capabilities of tyres for motorcycles.

The test methods presented in this document are not applicable for gradation of tyre performance or quality levels.

This document is applicable to all motorcycle tyres.

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 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 terms and definitions given in ISO 4223-1 and the following apply.

ISO and IEC maintain terminology 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/

3.1
bead separation
breakdown of bond between components in the bead area

3.2
belt separation
parting of rubber compound between belt layers or between belts and plies

3.3
chunking
breaking away of pieces of the tread

3.4
cord separation
cord parting from adjacent rubber compounds

3.5
cracking
parting within the tread, sidewall or inner liner of the tyre extending to cord material

3.6
inner liner separation
parting of inner liner from cord material in the carcass

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