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English Version

Road vehicles - Supplementary grip devices for tyres of passenger cars and light duty vehicles - Part 2: Specific test procedures

Véhicules routiers - Dispositifs supplémentaires d'adhérence pour pneumatiques de véhicules particuliers et de véhicules utilitaires légers - Partie 2 : Procédures d'essai spécifiques

Straßenfahrzeuge - Zusätzliche Gleitschutzvorrichtungen für Reifen an Personenfahrzeugen und leichten Nutzfahrzeugen - Teil 2: Spezifische Prüfverfahren

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 16662-2:2023) has been prepared by Technical Committee CEN/TC 301 “Road vehicles”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN enquiry.

1 Scope

This document defines the specific test procedures for different type of SGDs: metallic, textile fabric, non-metallic net and hybrid.

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.

EN 16662-1:2020, *Road vehicles - Supplementary grip devices for tyres of passenger cars and light duty vehicles - Part 1: General safety and performance requirements*

EN ISO 13934-1, *Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method (ISO 13934-1)*

EN ISO 12947-1, *Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 1: Martindale abrasion testing apparatus (ISO 12947-1)*

EN ISO 12947-2, *Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown (ISO 12947-2)*

ISO 6507-1, *Metallic materials — Vickers hardness test — Part 1: Test method*

DIN 53863-1, *Testing of textiles — Abrasion test methods for textile planar fabrics — Principles*

DIN 53863-2, *Testing of textiles — Abrasion test methods for textile fabrics — Rotary abrasion test*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16662-1:2020 apply.

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

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 General requirements

All the tests listed below shall be performed either on semi-finished components, or on material taken out of a final product in order to verify products taken from the market.

All data from internal tests of prEN 16662-2 shall be provided from the applicant to the testing body before applying tests according to EN 16662-1. All tests which are provided by the applicant shall be verified by the testing body.

All tests shall be carried out in suitable test laboratories and/or by technically trained personnel.

5 Requirements and specific test procedures for metallic SGDs

5.1 Corrosion protection

The parts of the tread net shall be protected against corrosion by electro-galvanising with a minimum coat thickness of 5 µm, or by another method providing at least equivalent protection.