TECHNICAL SPECIFICATION

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Quasi-static calibration procedure for belt force transducers

Procédure d'étalonnage quasi-statique pour capteurs d'efforts pour ceintures

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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

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Foreword

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 22, *Road vehicles*, Subcommittee SC 12, *Passive safety crash protection systems*.

Quasi-static calibration procedure for belt force transducers

1 Scope

The objective of this Technical Specification is to provide a procedure to calibrate seat belt force transducers with loading capacities up to 25 kN and consistent test specifications and sequences in order to improve comparability of measurement results between testing laboratories.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 376, *Metallic materials — Calibration of force-proving instruments used for the verification of uniaxial testing machines*

ISO 5084, *Textiles — Determination of thickness of textiles and textile products*

ISO 6487, *Road vehicles — Measurement techniques in impact tests — Instrumentation*

ISO 13499, *Road vehicles — Multimedia data exchange format for impact tests*

ECE-R16, *Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems for occupants of power-driven vehicles*

SAE-J2517, *Hybrid III Family Chest Potentiometer Calibration Procedure*