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**Road vehicles — Securing of cargo  
in delivery vans — Requirements and test  
methods**

*Véhicules routiers — Arrimage des charges à bord des camionnettes  
de livraison — Exigences et méthodes d'essai*



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

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# Road vehicles — Securing of cargo in delivery vans — Requirements and test methods

## 1 Scope

This International Standard applies to vehicle-relevant equipment for the securing of cargo in delivery vans with a gross vehicle mass up to 7,5 t. This International Standard specifies minimum requirements and test methods for securing cargo in a reliable and roadworthy way, in order to protect occupants against injuries caused by shifting cargo.

This International Standard deals with N1 vehicles and N2 vehicles up to 7,5 t in accordance with ECE classification<sup>1)</sup>. For vehicles primarily designed for the transportation of cargo and derived from a passenger vehicle (M1), only the requirements concerning the partitioning system of this International Standard apply.

NOTE Extreme loads (e.g. vehicle impacts) that can occur during an accident are outside the scope of this International Standard.

## 2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 2.1

#### delivery van

vehicle for the transport of cargo, of which the occupant compartment and loading space form one unit

### 2.2

#### lashing point

attachment part on the vehicle or an integrated device, to which **lashing devices** (2.3) can be connected in a form-fit manner and designed to transfer the lashing forces to the vehicle structure

NOTE An integrated device can be, for example, a ring, a loop, a tie-down, a hook, an eye, a lug, a hook-in edge, a thread connection, or rails.

### 2.3

#### lashing device

device that is designed to be attached to the **lashing points** (2.2) in order to secure the cargo on the vehicle and that consists of a tensioning device, a tensioning element and connections, if required

NOTE 1 A tensioning device can be, for example, a belt or a strap.

NOTE 2 A tensioning element can be, for example, a wrench, a ratchet, or a spanner.

NOTE 3 Connections can be, for example, a hook or an eyelet.

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1) See Reference [1].