

INTERNATIONAL STANDARD

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Commercial road vehicles and buses over 3,5 t — Front towing attachments

*Véhicules routiers utilitaires et autobus de plus de 3,5 t — Dispositifs de
remorquage avant*

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ISO 8035:1991(E)

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.

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.

International Standard ISO 8035 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Sub-Committee SC 14, *Exterior fittings*.

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Commercial road vehicles and buses over 3,5 t — Front towing attachments

1 Scope

This International Standard specifies the characteristics required of attachments mounted on the front of commercial road vehicles and buses (as defined in ISO 3833) of maximum total authorized mass over 3,5 t (ISO-M08). The attachment permits the use of ropes, cables or bars, at the choice of the manufacturer, allowing the vehicle to be towed, or otherwise manoeuvred by other vehicles, or to be used for manoeuvring other vehicles. It excludes attachments for emergency operations, e.g. recovery of road vehicles after an accident.

This International Standard does not apply to special purpose vehicles and standard vehicles used for special applications.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1102:1986, *Commercial road vehicles — Mechanical connections between towing vehicles and trailers — 50 mm drawbar couplings*.

ISO 1176:1990, *Road vehicles — Masses — Vocabulary and codes*.

ISO 3833:1977, *Road vehicles — Types — Terms and definitions*.

ISO 5422:1982, *Road vehicles — Anchorages for towing ropes, cables or bars*.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 complete vehicle kerb mass: See ISO 1176 (code ISO-M06).

3.2 maximum authorized total mass: See ISO 1176 (code ISO-M08).

3.3 special purpose vehicles and special applications of standard vehicles: See different types in ISO 3833.

3.4 anchorage: See ISO 5422.

4 Location of attachment

The attachment shall be installed at the front of the vehicle and shall not project in the horizontal plan beyond the exterior contour of the vehicle (body plus bumpers) except during towing.

5 Shape

5.1 The shape of the attachment is left to the discretion of the manufacturer, subject to the condition that it shall comply with the requirements given in this International Standard.

It shall permit the attachment of ropes, cables or bars for towing, without the aid of special tools or auxiliary parts.

It shall permit a displacement of $\pm 50^\circ$ of arc horizontally and $\pm 6^\circ$ vertically of the ends of towing devices (steel rope or bar), fixed between the towing and the towed vehicle.