
**Road vehicles — Clevis couplings —
Interchangeability**

Véhicules routiers — Chapes d'attelages - Interchangeabilité

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 40, *Specific aspects for light and heavy commercial vehicles, busses and trailers*.

This third edition cancels and replaces the second edition (ISO 3584:2001), which has been technically revised. The main changes compared to the previous edition are as follows:

- Editorial modifications related to changes of “drawbar” to “clevis”.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Road vehicles — Clevis couplings — Interchangeability

1 Scope

This document specifies the characteristics necessary for the mounting and interchangeability of clevis couplings on the frame (cross member, drawbeam or mounting bracket) of towing vehicles for trailers.

This document is applicable to clevis couplings intended for connection to trailers equipped with a drawbar eye on the drawbar of the trailer.

Characteristics not specified are left to the discretion of the component manufacturer.

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 1102, *Commercial road vehicles — 50 mm drawbar eye — Interchangeability*

ISO 8718, *Road vehicles — Drawbar couplings and eyes for hinged drawbars — Strength tests*

ISO 8755, *Commercial road vehicles — 40 mm drawbar eye — Interchangeability*

ISO 12357, *Commercial road vehicles — Drawbar couplings and eyes for rigid drawbars*

3 Terms and definitions

No terms and definitions are listed in this document.

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

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

4 Designation

4.1 Reference may be made to this document both for clevis coupling mounting dimensions on the frame and for the separate clevis coupling.

4.2 Frames in conformance with this document shall be identified by the following information, in the order given:

- a) reference to this document;
- b) number of the category according to [Table 1](#).

EXAMPLE Frames with mounting dimensions according to category 3:

Crossmember (or drawbeam or mounting bracket) **ISO 3584 — Category 3**

4.3 Clevis couplings meeting the requirements of this document shall be identified by the following information, in the order given:

- a) reference to this document;
- b) code C 40 for 40 mm clevis couplings and C 50 for 50 mm clevis couplings, as applicable;
- c) number of the category according to [Table 1](#) or number of class according to [Table 4](#).

EXAMPLE 1 40 mm clevis coupling according to category 3:

Clevis coupling **ISO 3584 C 40 — Category 3**

EXAMPLE 2 50 mm clevis coupling according to class 3:

Clevis coupling **ISO 3584 C 50 — Class 3**

EXAMPLE 3 Clevis coupling according to category 4:

Clevis coupling **ISO 3584 — Category 4**

5 Mounting categories

5.1 Categories of drilling pattern

The dimensions for the categories of drilling pattern (see [Figure 1](#)) shall be as given in [Table 1](#).

Table 1 — Categories of drilling pattern

Dimensions in millimetres

Dimension	Category				
	1	2	3	4	5 to 7
E_1	83	83	120	140	160
E_2	56	56	55	80	100
D_1	—	55	75	85	95
D_2	10,5	10,5	15	17	21