

**Vägfordon – Mekaniska kopplingar mellan
dragfordon och påhängsvagnar –**

Del 2: Utbytbarhet mellan dragfordon med låg
koppling och påhängsvagnar med stor volym
(ISO 1726-2:2007, IDT)

**Road vehicles – Mechanical couplings between
tractors and semi-trailers –**

Part 2: Interchangeability between low-coupling
tractors and high-volume semi-trailers
(ISO 1726-2:2007, IDT)

Den internationella standarden ISO 1726-2:2007 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av ISO 1726-2:2007.

The International Standard ISO 1726-2:2007 has the status of a Swedish Standard. This document contains the official English version of ISO 1726-2:2007.

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Foreword

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The main task of technical committees is to prepare International Standards. 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.

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.

ISO 1726-2 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 15, *Interchangeability of components of commercial vehicles and buses*.

ISO 1726 consists of the following parts, under the general title *Road vehicles — Mechanical couplings between tractors and semi-trailers*:

- *Part 1: Interchangeability between tractors and semi-trailers for general cargo*¹⁾
- *Part 2: Interchangeability between low-coupling tractors and high-volume semi-trailers*

1) Revision of ISO 1726:2000.

Road vehicles — Mechanical couplings between tractors and semi-trailers —

Part 2: Interchangeability between low-coupling tractors and high-volume semi-trailers

1 Scope

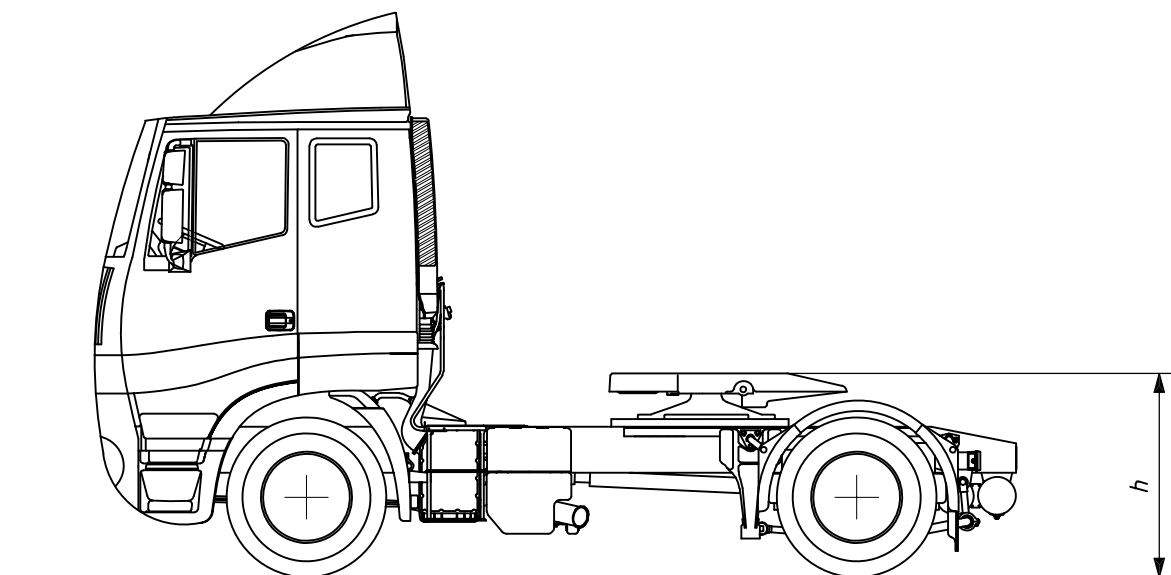
This part of ISO 1726 specifies dimensions to ensure interchangeability between a low coupling height tractor vehicle and a coupled high-volume semi-trailer, the two together constituting a high-volume articulated vehicle. It specifies certain interchangeability dimensions, including those of the optimised gooseneck contour, as well as operating dimensions related to angle values. The specifications are primarily intended to permit semi-trailers to be coupled with two-axle tractors. However, three-axle tractors are not excluded, provided they are in compliance with the requirements of this part of ISO 1726.

This part of ISO 1726 does not provide limitations of maximum gross mass and overall dimensions, which are generally laid down by legislative requirements.

2 Interchangeability dimensions

2.1 Height of fifth wheel of a laden tractor

The height, h , of the fifth wheel of a laden low-coupling tractor above ground (see Figure 1) shall be in the range 900 mm to 975 mm.



Key

h height of fifth wheel

Figure 1 — Height of fifth wheel

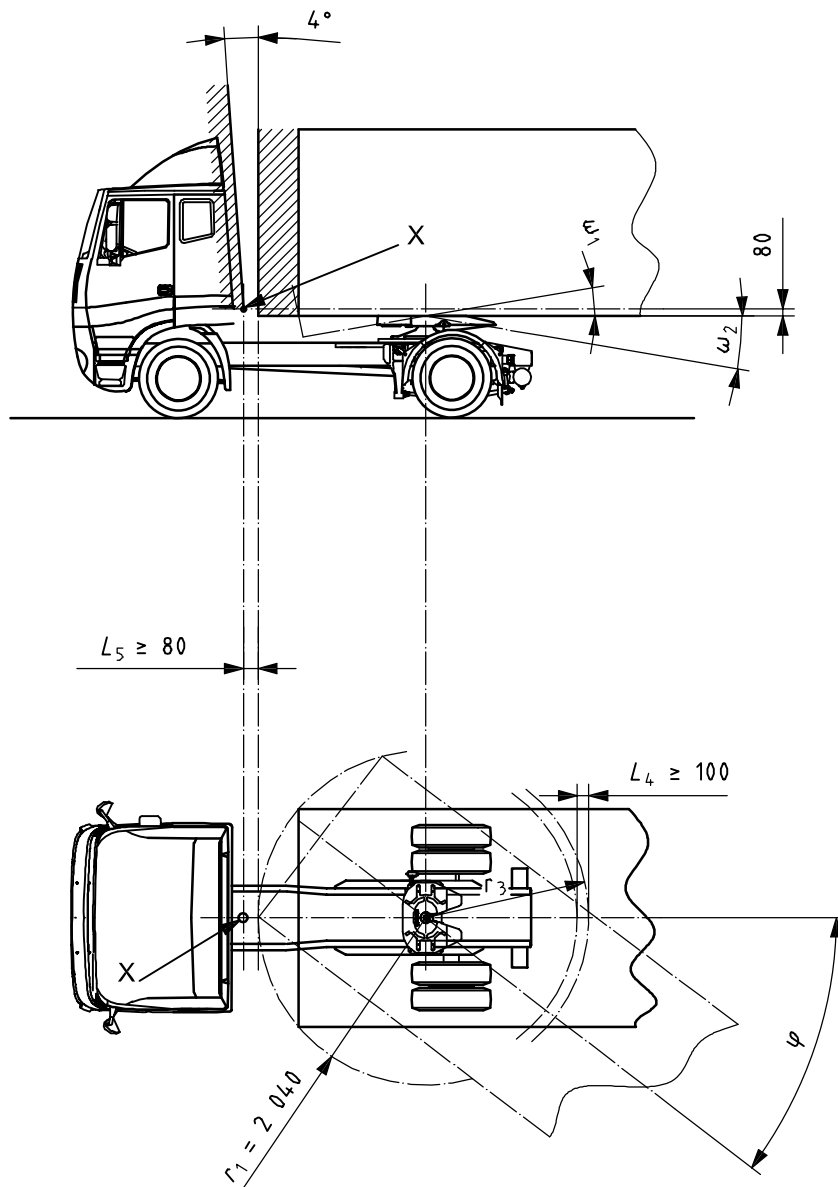
2.2 Height of fifth wheel of an uncoupled tractor

The height, h , of the fifth wheel of an uncoupled low-coupling tractor shall not exceed 1 000 mm.

2.3 Forward clearance zone radius of a semi-trailer

The front end of the semi-trailer (see Figure 2) shall not exceed the radius, r_1 , of 2 040 mm.

Dimensions in millimetres



Key

- L_4 distance between two cylinders of revolution [see 3.4 a)]
- L_5 distance between surface of cylinder of revolution and conical surface of revolution [see 3.4 b)]
- r_1 forward clearance zone radius of semi-trailer (see 2.3)
- r_3 radius between axis of coupling pin and lower part of the semi-trailer gooseneck [see 2.4 d)]
- ω_1 angle of inclination towards the front
- ω_2 angle of inclination towards the rear
- φ angle of articulation

Figure 2 — Free space between tractor and semi-trailer