Konstruktion och placering av pedaler i industritruckar med sittande förare – Regler för konstruktion och placering av pedaler (ISO 21281:2005)


Denna standard ersätter SS-EN 281, utgåva 1.


This standard supersedes the Swedish Standard SS-EN 281, edition 1.
Foreword

This document (EN ISO 21281:2005) has been prepared by Technical Committee CEN/TC 150 "Industrial Trucks - Safety", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 110 "Industrial trucks".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

This document supersedes EN 281:1988.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.
Introduction

The use of industrial trucks differs essentially from that of road vehicles, which are mainly driven in the forward direction. Industrial trucks, especially forklift trucks as working machines, have

— a high share of movement in the backward direction,
— frequent change of direction of movement, and
— relatively low speed.

They often are used with attachments. According to the specific requirements, industrial trucks are equipped with optimized controls. In certain types of driving units (e.g. hydrostatic, electrical), the driving mechanism also acts as a brake.

This International Standard covers the most frequently used pedal layouts. Other pedal arrangements for travelling are possible provided that the new ergonomic results are considered.
Construction and layout of pedals of self-propelled sit-down rider-controlled industrial trucks — Rules for the construction and layout of pedals

1 Scope

This International Standard specifies the layout of pedals of self-propelled sit-down rider-controlled industrial trucks, as defined in Parts 1, 2, 3 and 6 of ISO 3691.

2 Normative references

The following referenced documents are indispensable for the application 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 3691-1:— 1), Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless, variable-reach trucks and burden-carrier trucks

ISO 3691-2, Industrial trucks — Safety requirements and verification — Part 2: Self-propelled variable-reach trucks

ISO 3691-3, Industrial trucks — Safety requirements and verification — Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads

ISO 3691-6, Industrial trucks — Safety requirements and verification — Part 6: Burden and personnel carriers

3 Terms and definitions

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

NOTE The forward direction of travel is defined in ISO 3691-1:—, Annex A.

3.1 pedal
exclusively foot-operated control

3.2 service brake pedal
pedal controlling the service brake

3.3 clutch pedal
pedal controlling the engagement of the engine to the transmission

NOTE The final movement may also apply the service brakes.

1) To be published. (Revision of ISO 3691:1980)