
**Fork-lift trucks — Fork arms — Technical
characteristics and testing**

*Chariots élévateurs à fourches — Bras de fourche — Caractéristiques
techniques et essais*



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Foreword

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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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 2330 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

This third edition cancels and replaces the second edition (ISO 2330:1995), of which it constitutes a minor revision. The Scope has been modified.

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Fork-lift trucks — Fork arms — Technical characteristics and testing

1 Scope

This International Standard specifies manufacturing, testing and marking requirements for solid-section fork arms, for quantity production and with all types of mounting. These include, but are not limited to, hook, shaft or pin, bolt-on and roller type fork arms.

By agreement between the fork arm manufacturer and the purchaser, these requirements may also be applied to fork arms not intended for quantity manufacture.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 148:1983, *Steel — Charpy impact test (V-notch)*

ISO 683-1:1987, *Heat-treatable steels, alloy steels and free-cutting steels — Part 1: Direct-hardening unalloyed and low-alloyed wrought steel in form of different black products*

ISO 2328:1993, *Fork-lift trucks — Hook-on type fork arms and fork arm carriages — Mounting dimensions*

ISO 2331:1974, *Fork lift trucks — Hook-on type fork arms — Vocabulary*

3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 2331 and the following apply.

3.1

prototype fork arm

fork arm intended for quantity production where any combination of the blade, shank cross-section, material specification, hook or fork heel design is new to production

4 Manufacture

The fork arms shall be manufactured from material of solid cross-section.

5 Testing

5.1 A prototype fork arm shall be subjected to, and meet the requirements of, the yield test in clause 6 and the impact test in clause 7.