

INTERNATIONAL STANDARD

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

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



Reference number
ISO 2330:1995(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 2330 was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

This second edition cancels and replaces the first edition (ISO 2330:1974), of which it constitutes a technical revision.

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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.

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 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 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 Definitions

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

Prototype fork arms each having a specified capacity not greater than 4 000 kg shall be subjected to, and meet the requirements of, the fatigue test in clause 8.

5.2 The tests in clauses 6 and 7 may, by agreement between the fork arm manufacturer and the purchaser, be repeated periodically for quantity production fork arms.