

INTERNATIONAL STANDARD

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Power lawn-mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with mowing attachments — Definitions, safety requirements and test procedures

*Tondeuses à gazon à moteur, tracteurs de pelouse, tracteurs de jardin
et de pelouse, tondeuses à usage professionnel, tracteurs de jardin et
de pelouse avec équipements de tonte adaptables — Définitions,
prescriptions de sécurité et modes opératoires d'essai*



Reference number
ISO 5395:1990(E)

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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.

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 5395 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

This first edition cancels and replaces the previous editions of separate parts: ISO 5395-1:1984, ISO 5395-2:1981, ISO 5395-3:1985 and its Addendum 1:1986, and ISO 5395-4:1985 of all of which it constitutes a revision and combination.

Annexes A, B, C, D and E form an integral part of this International Standard. Annex F is for information only.

Power lawn-mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with mowing attachments — Definitions, safety requirements and test procedures

Section 1: General

1.1 Scope

This International Standard presents definitions of terms and specifies safety requirements and test procedures applicable to powered rotary and cylinder mowers, including pedestrian-controlled and ride-on (riding) types, ride-on (riding) lawn tractors, lawn and garden tractors, and lawn and garden tractors with mowing attachments designed primarily for use at and around the home.

The additional requirements for professional (commercial) mowers and turf care equipment are also given, in clause 3.7 and clause 4.7, for these machines designed primarily as professional (commercial) mowers and turf care equipment.

This International Standard does not apply to lawn trimmers, lawn edge trimmers, and edgers, flail mowers, sickle-bar mowers, agricultural mowers, and the electrical aspects of mains-electrically driven machines.

Rotary mowers are excluded from the requirements of this International Standard if the cutting means is either one or more non-metallic filaments, or one or more non-metallic cutting elements pivotally mounted on a generally circular central drive unit, where these cutting elements rely on centrifugal force to achieve cutting, and have a kinetic energy for each single cutting means of less than 10 J. In addition for these machines, the cutting means shall not be replaceable with metallic or other rigid material equivalents supplied by the manufacturer.

1.2 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 500:1978, *Agricultural tractors — Power take-off and drawbar — Specification.*

ISO 2758:1983, *Paper — Determination of bursting strength.*

ISO 3304:1985, *Plain end seamless precision steel tubes — Technical conditions for delivery.*

ISO 3305:1985, *Plain end welded precision steel tubes — Technical conditions for delivery.*

ISO 3306:1985, *Plain end as-welded and sized precision steel tubes — Technical conditions for delivery.*

ISO 3411:1982, *Earth-moving machinery — Human physical dimensions of operators and minimum operator space envelope.*

ISO 3416:1986, *Textile floor coverings — Determination of thickness loss after prolonged, heavy static loading.*