

INTERNATIONAL STANDARD

ISO
10347

First edition
1999-08-01

Worm gears — Geometry of worms — Name plates for worm gear units, centre distances, information to be supplied to gear manufacturer by the purchaser

*Engrenages à vis cylindriques — Géométrie des vis — Plaques
signalétiques des réducteurs à roue et vis, entraxes, informations
à fournir au tailleur d'engrenages par l'acheteur*



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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 10347 was prepared by Technical Committee ISO/TC 60, *Gears*, Subcommittee SC 1, *Nomenclature and wormgearing*.

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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

Worm gears — Geometry of worms — Name plates for worm gear units, centre distances, information to be supplied to gear manufacturer by the purchaser

1 Scope

This International Standard specifies requirements for name plates for worm gear units and recommendations for choice of their centre distances, as well as information to be supplied to the worm gear manufacturer so that suitable gears can be provided.

This International Standard is also applicable to open worm gear pairs with respect to the preferred centre distances to be used, information to be supplied to the manufacturer for machining and the required application information.

This International Standard is applicable to worm gears with centre distances up to 500 mm.

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 54:1996, *Cylindrical gears for general engineering and for heavy engineering — Modules*.

ISO 1122-2:1999, *Vocabulary of gear terms — Part 2: Definitions related to worm gear geometry*.

3 Worm gear units — Name plate

All gear units shall have a durable one piece or two piece name plate which is screwed, glued or rivetted to the gear box.

NOTE Glue should only be used if its durability is equal to that obtained by screws or rivets.

The information to be provided on the name plate shall include the following:

- maker's or supplier's name (identification),
- serial number,
- centre distance,
- ratio (may be expressed as input/output speeds),
- power reversing or not,