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# Gears — Wear and damage to gear teeth —

## Part 2: Supplementary information

*Engrenages — Usure et défauts des dentures —  
Partie 2: Informations supplémentaires*



Reference number  
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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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

This first edition of ISO/TR 10825-2, together with ISO 10825-1, cancels and replaces ISO 10825:1995, which has been technically revised.

The main changes are as follows:

- ISO 10825:1995 has now two parts: ISO 10825-1 and ISO/TR 10825-2 that gives additional information on failure modes.

A list of all parts of the ISO 10825 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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## Introduction

This document has been developed to assist readers in identifying possible causes of gear tooth damage and potential ways to avoid future damage. However, it is not intended to give a definitive reason for the damage observed. Some causes that are included are still a topic of research and discussion but are presented with the intent to provide possibilities. Also, in some cases, steps taken to reduce the risk of one type of damage can increase the risk of another type of damage.

This document is intended as a supplement to ISO 10825-1. To facilitate the correlation of the information in the two parts, both documents have the same structure. Some sections in this document are mainly place holders to keep the structures parallel.