

INTERNATIONAL ISO  
STANDARD 12132

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First edition  
1999-10-01

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## Plain bearings — Quality assurance of thin-walled half bearings — Design FMEA

*Paliers lisses — Assurance qualité des demi-coussinets minces —  
AMDE à la conception*



Reference number  
ISO 12132:1999(E)

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## Foreword

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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 12132 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 5, *Quality analysis and assurance*.

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Printed in Switzerland

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## Introduction

FMEA (Failure Mode and Effect Analysis) is a form of analytical method that helps to define potential defects of the designed products and to eliminate these defects at the stage of designing.

FMEA is based on combining the experience gained in practice in designing and operation of plain bearings with the theory of probability.

FMEA increases reliability and quality of the product in question and that of its technology and also reduces the expenses for testing the product and for improving the technological process.

Systems for the implementation of a Design FMEA are well documented elsewhere and are outside the scope of this International Standard. These systems aid in the analysis of complex designs, both existing and projected.