

Australian Standard<sup>®</sup>

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**Glossary of terms and notations  
for gears**

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This Australian Standard was prepared by Committee ME/11, Gears and Splines. It was approved on behalf of the Council of Standards Australia on 9 September 1991 and published on 9 December 1991.

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Australian Shipbuilders Association  
Australian Sugar Milling Council  
Bureau of Steel Manufacturers of Australia  
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German-Australian Chamber of Industry and Commerce  
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AS 2075—1991

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First published in part as AS B217—1966.  
AS 1637 first published 1974.  
AS B217—1966 and AS 1637—1974 revised,  
amalgamated and redesignated AS 2075—1978.  
Second edition 1991.

PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 7121 7

## PREFACE

This Standard was prepared by the Standards Australia Committee on Gears and Splines to supersede AS 2075—1978.

Gear terms are based on ISO 1122-1: 1983, *Glossary of gear terms—Part 1: Geometric definitions*.

Gear notation symbols have been taken from ISO 701: 1976, *International gear notation—Symbols for geometrical data*.

In this edition, a number of definitions have been revised and many drawings modified and clarified. Design factors have been omitted from this edition as they are outside the boundaries of a glossary. The section on gear notation symbols has been revised.

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## FOREWORD

A glossary can be produced in varying degrees of complexity, depending on the intended application. It may be a listing of recommended terms, without definitions and designed to identify the terminology used between those knowledgeable in the subject; or it may be a source of instruction, with complete definitions, and designed to educate those not familiar with the subject. Although ISO 1122-1 tends towards the former, this Standard has concentrated on providing concise definitions, with illustrations where appropriate. For this reason some of the definitions given in ISO 1122-1 have been modified, edited, expanded or omitted.

## STANDARDS AUSTRALIA

**Australian Standard****Glossary of terms and notations for gears**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE** This Standard provides geometric and kinematic terms applicable to cylindrical, bevel, hypoid gears and gear pairs. Gear notation symbols are provided.

NOTE: AS 2938 is based on American Gear Manufacturers Association (AGMA) Standards and reference to ANSI/AGMA 1012-F90 may be necessary when using that Standard.

**1.2 REFERENCED DOCUMENTS** The following documents are referred to in this Standard:

AS

2938 Gears—Spur and helical—Guide to specification and rating

ISO

701 International gear notation—Symbols for geometrical data

1122 Glossary of gear terms

1122.1 Part 1: Geometric definitions

ANSI/AGMA

1012-F90 Gear nomenclature—Definitions of terms with symbols