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(JGMA/JSA)

Vocabulary of gear terms—Part 2: Definitions related to worm gear geometry

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In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Gear Manufacturers Association (JGMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently **JIS B 0102**:1999 has been withdrawn and partially replaced with this Standard.

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JIS B 0102 series consists of the following 2 parts under the general title "Vocabulary of gear terms":

Part 1: Definitions related to geometry

Part 2: Definitions related to worm gear geometry

Vocabulary of gear terms—Part 2: Definitions related to worm gear geometry

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Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 1122-2** published in 1999 with some modifications of the technical contents.

The portions given continuous sidelines or dotted underlines are the matters in which the contents of the original International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the definitions of geometrical terms related to worm gears.

NOTE: The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 1122-2:1999 Vocabulary of gear terms—Part 2: Definitions related to worm gear geometry (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Terms and definitions

2.1 General

2.1.1 Toric surfaces and lines

2.1.1.1 toroid

solid or surface of revolution, generated by the rotation of a circle, about an axis external to the circle and situated in its plane (see figure 1)

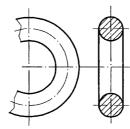


Figure 1 Example of toroid

2.1.1.2 generant of a toroid

circle generating the toroid (see figure 2)