

AMERICAN GEAR MANUFACTURERS ASSOCIATION

Metric Usage

AGMA 904-C96



AGMA INFORMATION SHEET

(This Information Sheet is NOT an AGMA Standard)



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Foreword

[This foreword, footnotes, and appendices, if any, are provided for informational purposes only and should not be construed as a part of American Gear Manufacturers Association Information Sheet 904-C96, *Metric Usage*.]

In 1972, the AGMA Technical Division Executive Committee (TDEC) started the formation of a committee referred to as the *Metric Study Committee*. The first meeting of this Metric Study Committee was on January 23, 1973. In March 1974, the AGMA Board of directors instructed its Technical Division to:

- Form a standing Metric Resource and Advisory Committee.
- Establish detailed procedures to effect a changeover, i.e., create a metric usage standard.

The first meeting of the Metric Resource and Advisory Committee was held on November 4, 1974. A proposed *AGMA Information Sheet, Guide for Use of SI (Metric) Units in Gearing*, AGMA 600.XX was drafted over the next years. On September 21, 1977, the Metric Resource and Advisory Committee changed the name of the proposed standard 600.XX to *AGMA Standard for Metric Usage*. The standard 600.01 was issued in March 1979.

On September 12, 1979, the first draft of *Procedural Guidelines for Metrication of AGMA Standards* was written. This document was released on June 4, 1980 as Policy and Practice guide Number 040.17, *Procedure for the Metrication of AGMA Standards*. The *Guidelines for Metrication* were approved by the AGMA Board on November 2, 1977.

In 1988, the TDEC converted this revision to an Information Sheet and assigned compliance review to AGMA Headquarters Staff. In 1996, it was updated and the symbols tables 10.1 and 10.2 were removed, which can be found in AGMA 900-F96.

This Information Sheet is to be used as an editorial guide when preparing the AGMA metric standards and information sheets. It describes the SI system of units and the multiples and sub-multiples to be used in AGMA standards.

The guidelines for metrication are as follows:

- (1) The intent of the process is conversion to SI units, not the revision of content.
- (2) The purpose of these guidelines is to assure uniformity of metric terms and abbreviations.
- (3) Generally, metrication will be performed by the responsible committee. Exception will be at the discretion of the TDEC.
- (4) There shall be two methods of generating metric standards, the choice of which shall be at the discretion of the originating committee. All standards on which revision is begun after January 1, 1991 shall be prepared in accordance with one of the two following methods.
 - (a) Standards may be developed in hard metric only.
 - (b) Parallel standards, in which both hard conversion SI and conventional inch versions of standards will be available for the same purpose.
- (5) Metrication shall conform to AGMA 904-C96 which references ANSI/IEEE 268-1982 and ISO 1000.
- (6) Preparation of a hard metric document shall be approved by the TDEC prior to starting work.
- (7) The documents shall be reviewed for conformance to the Information Sheet concurrently with committee comment.

This addition, AGMA 904-C96, was approved by the TDEC on October 28, 1996.

Suggestions for the improvement of this information sheet will be welcome. They should be sent to the American Gear Manufacturers Association, 1500 King Street, Suite 201, Alexandria, Virginia, 22314.

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