

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 1753 : 2013

(JGMA/JSA)

**Acceptance code for gear units—
Test code for airborne sound**

ICS 17.140.20;21.200

Reference number : **JIS B 1753 : 2013 (E)**

B 1753 : 2013

Date of Establishment: 1971-01-01

Date of Revision: 2013-11-20

Date of Public Notice in Official Gazette: 2013-11-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Machine Elements

JIS B 1753:2013, First English edition published in 2014-04

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision 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 applicable to the case of revision by the provision of Article 14.

Consequently, **JIS B 1753**:1999 is replaced with this Standard.

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Acceptance code for gear units— Test code for airborne sound

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 8579-1** published in 2002 with some modifications of the technical contents.

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

1 Scope

This Standard specifies the instructions and the standardized conditions necessary for the determination of the airborne sound emission of gear units and gearmotors. This Standard also specifies the allowable measurement methods together with the operating conditions and the mounting conditions used for the test.

The emission characteristics include the emission sound pressure levels at specified positions and the sound power level. The determination of these quantities is necessary for

- a) manufacturers of gear units or gearmotors, in order that they may be able to declare the emitted sound,
- b) for comparing the sound emitted by gear units and gearmotors under service operating, and
- c) for the purpose of noise control at the design stage.

This Standard has the aim of ensuring, with its use, the reproducibility of the determination of the airborne sound emission characteristics within specified limits determined by the grade of accuracy of the basic measurement method used. The sound measurement methods allowed by this Standard are the engineering methods (Grade 2) and the survey methods (Grade 3).

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

ISO 8579-1:2002 *Acceptance code for gear units—Part 1: Test code for airborne sound* (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 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent editions (including amendments) shall be applied.