



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 8340-7 : 2010

**Earth-moving machinery—Safety—
Part 7: Requirements for graders**

ICS 13.100;53.100

Reference number : JIS A 8340-7 : 2010 (E)

Date of Establishment: 2010-09-25

Date of Public Notice in Official Gazette: 2010-09-27

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Industrial Machinery

JIS A 8340-7:2010, First English edition published in 2011-05

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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Printed in Japan

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

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JIS A 8340 series consists of the following six parts under the general title “*Earth-moving machinery—Safety*”:

Part 1: General requirements

Part 2: Requirements for bulldozer

Part 3: Requirements for loaders

Part 4: Requirements for hydraulic excavators

Part 5: Requirements for dumpers

Part 6: Requirements for cable excavators

Part 7: Requirements for graders

Earth-moving machinery—Safety— Part 7: Requirements for graders

Introduction

This Japanese Industrial Standard is a type C standard (safety standard for individual machinery) defined in the foreword of **JIS B 9700-1**.

1 Scope

This Standard specifies the safety requirements for the graders as defined in **3.1**. The typical models to which this Standard is applied are shown in Annex A for reference.

This Standard is used together with **JIS A 8340-1** in which the general safety requirements for earth-moving machinery are specified.

This Standard considers all significant hazards inherent in the graders, when they are used under the conditions intended and foreseen by the manufacturer (see Annex B and Annex 1 of **JIS A 8340-1**), and also provides concrete measures to remove or reduce the risks that can be generated by them.

NOTE : The graders traveling on highway shall conform to, in addition to the requirements of this Standard, the laws and regulations related to road traffic stipulated by the government and local governments.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS A 8304 *Earth-moving machinery—Laboratory evaluation of operator seat vibration*

JIS A 8317-1 *Acoustics—Measurement of exterior noise emitted by earth-moving machinery—Dynamic test conditions*

JIS A 8317-2 *Acoustics—Measurement at the operator's position of noise emitted by earth-moving machinery—Dynamic test conditions*

JIS A 8340-1 *Earth-moving machinery—Safety—Part 1: General requirements*

JIS B 9700-1 *Safety of machinery—Basic concepts, general principles for design—Part 1: Basic terminology, methodology*

JIS B 9700-2 *Safety of machinery—Basic concepts, general principles for design—Part 2: Technical principles*

3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in **JIS A 8340-1** and the following apply.