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STANDARD

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JIS B 9713-1 : 2004
(ISO 14122-1 : 2001)
(JMF)

**Safety of machinery — Permanent
means of access to machinery —
Part 1: Choice of fixed means of
access between two levels**

ICS 13.110

Reference number : JIS B 9713-1 : 2004 (E)

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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 according to the proposal of establishing a Japanese Industrial Standard from The Japan Machinery Federation (JMF)/the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been made based on **ISO 14122-1:2001** *Safety of machinery — Permanent means of access to machinery — Part 1: Choice of fixed means of access between two levels* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Ministers and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS B 9713 consists of the following parts, under the general title of “*Safety of machinery — Permanent means of access to machinery*”:

Part 1: Choice of fixed means of access between two levels

Part 2: Working platforms and walkways

Part 3: Stairs, stepladders and guard-rails

Part 4: Fixed ladders.

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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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Contents

	Page
Introduction	1
1 Scope	2
2 Normative references	2
3 Terms and definitions	3
3.1 ladder	3
3.2 stepladder	3
3.3 stair	4
3.4 ramp	4
4 Significant hazards	4
5 Requirements for the selection of the fixed means of access	5
5.1 General	5
5.2 Preferred means of access	5
5.3 Selection of the means of access	5
5.4 Choice among lift, ramp or stair	6
5.5 Selection between stepladder and ladder	7
6 Assembly instructions	8
Annex A (informative) Examples of the changes in the machine or system to make better access possible	9
Annex B (informative) Bibliography	10

Safety of machinery — Permanent means of access to machinery — Part 1: Choice of fixed means of access between two levels

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 14122-1** *Safety of machinery — Permanent means of access to machinery — Part 1: Choice of fixed means of access between two levels* published in 2001 with modifying the technical contents.

The foreword of the original International Standard has been excluded because it is not part of the provisions.

This part of **JIS B 9713** is a group safety standard and Part 1 of the series of standards in **JIS B 9713**.

The provisions of this document may be supplemented or modified by a product safety standard.

- NOTES 1 For machines which are covered by the scope of a product safety standard and which have been designed and built according to the provisions of that standard, the provisions of that product safety standard take precedence over the provisions of this group safety standard.
- 2 This Standard requires the manufacturers to provide "safe access to production, servicing points and maintenance working area" and to prevent "risk of slipping, tripping or falling".
- 3 See also relevant matters described in **6.2.4** "Provision for safe access to machinery" of **ISO 12100-2**.
- 4 The use of materials other than metals (wood composite materials, so-called "advanced" materials, etc.) does not alter the application of this part of **JIS B 9713**.

Information : **JIS Z 8051:2004** sets up the "hierarchy" of safety standards as follows:

- *basic safety standard*, comprising fundamental concepts, principles and requirements with regard to general safety aspects applicable to a wide range of products, processes and services;
- *group safety standard*, comprising safety aspects applicable to several or a family of similar products, processes or services dealt with by more than one committee, making reference, as far as possible, to basic safety standards;
- *product safety standard*, comprising safety aspect(s) for a specific, or a family of, product(s), process(es) or service(s) within the scope of a single committee, making reference, as far as possible, to basic safety standards and group safety standards;

This part of **JIS B 9713** defines the general requirements for safe access to machines mentioned in **ISO 12100-2**. It gives advice about the correct choice of access means when the necessary access to the machine is not possible directly from the ground level or from a floor.

1 Scope This part of **JIS B 9713** applies to all machinery (stationary and mobile) where fixed means of access are necessary.

This part of **JIS B 9713** applies to means of access which are a part of a machine.

This part of **JIS B 9713** may also apply to means of access to that part of the building (e.g. working platforms, walkways, ladders) where the machine is installed, providing the main function of that part of the building is to provide a means of access to the machine.

NOTES 1 This part of **JIS B 9713** may be used also for means of access which are outside the scope of this part of **JIS B 9713**. In those cases the possible relevant national or other regulations should take precedence.

This part of **JIS B 9713** applies also to access means specific to the machine which are not permanently fixed to the machine and which may be removed or moved to the side for some operations of the machine (e.g. changing tools in a large press).

This part of **JIS B 9713** does not apply to lifts, to moveable elevating platforms or other devices specially designed to lift persons between two levels.

2 The International Standard corresponding to this Standard is as follows.

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**.

ISO 14122-1 : 2001 *Safety of machinery — Permanent means of access to machinery — Part 1: Choice of fixed means of access between two levels (IDT)*

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

JIS B 9702 *Safety of machinery — Principles of risk assessment*

NOTE : **ISO 14121:1999** *Safety of machinery — Principles of risk assessment* is identical with the said standard.

JIS B 9713-2 *Safety of machinery — Permanent means of access to machinery — Part 2: Working platforms and walkways*

NOTE : **ISO 14122-2:2001** *Safety of machinery — Permanent means of access to machinery — Part 2: Working platforms and walkways* is identical with the said standard.

JIS B 9713-3 *Safety of machinery — Permanent means of access to machinery — Part 3: Stairs, stepladders and guard-rails*

NOTE : **ISO 14122-3:2001** *Safety of machinery — Permanent means of access to machinery — Part 3: Stairs, stepladders and guard-rails* is identical with the said standard.