



**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 17888.1-2020**

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**Safety of machinery. Permanent means of access to machinery  
- Part 1: Choice of fixed means and general requirements of  
access**

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### Foreword

GB/T 17888 Safety of Machinery - Permanent Means of Access to Machinery constitutes the

following four parts:

- Part 1: Choice of a Fixed Means and General Requirements of Access;
- Part 2: Working Platforms and Walkways;
- Part 3: Stairs, Stepladders and Guard-Rails;
- Part 4: Fixed Ladders.

This Part is Part 1 of GB/T 17888.

This Part was drafted as per the rules specified in GB/T 1.1-2009.

This Part replaced GB/T 17888.1-2008 Safety of Machinery - Permanent Means of Access to

Machinery - Part 1: Choice of a Fixed Means of Access between Two Levels. Compared with

GB/T 17888.1-2008, the major technical changes of this Part can refer to Annex B.

This Part used the translation method to equivalently adopt ISO 14122-1:2016 Safety of Machinery - Permanent Means of Access to Machinery - Part 1: Choice of Fixed Means and

General Requirements of Access.

The Chinese documents that have consistent correspondence with the international documents

normatively cited in this Part are as follows:

--- GB/T 15706-2012 Safety of Machinery - General Principles for Design - Risk Assessment and Risk Reduction (ISO 12100:2010, IDT)

--- GB/T 17888.3-2020 Safety of Machinery - Permanent Means of Access to Machinery - Part 3: Stairs, Stepladders and Guard-Rails (ISO 14122-3:2016, IDT)

--- GB/T 17888.4-2020 Safety of Machinery - Permanent Means of Access to Machinery - Part 4: Fixed Ladders (ISO 14122-4:2016, IDT)

This Part was proposed by and under the jurisdiction of National Technical Committee on Mechanical Safety of Standardization Administration of China (SAC/TC 208).

Drafting organizations of this Part: Tianjin Jinmao Group Co., Inc.; Jiangsu Guolang Machinery

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Means of Access to Machinery - Part 1: Choice of Fixed Means and General Requirements of Access

## 1 Scope

This Part of GB/T 17888 gives general requirements for access to stationary machines and guidance about the correct choice of means of access, when necessary, access to the stationary

machine is not possible directly from the ground level or from a floor.

This Part is applicable to permanent means of access which are a part of a stationary machine,

and also to non-powered adjustable parts (e.g., foldable, slidable) and movable parts of fixed

means of access.

NOTE 1: "Fixed" means of access are those mounted in such a manner (for example, by screws, nuts,

welding) that they can only be removed by the use of tools.

This Part specifies minimum requirements that also apply when the same means of access is

required as the part of the building or civil construction (e.g., working platforms, walkways, ladders) where the machine is installed, on condition that the main function of that part of the

construction is to provide a means of access to the machine.

NOTE 2: Where no local regulation or standards exist, this part of ISO 14122 can be used for means of

access which are outside the scope of the standard.

It is intended that this Part of GB/T 17888 be used with a relevant access-specific part of GB/T

17888.

The GB/T 17888 series as a whole is applicable to both stationary and mobile machinery where

fixed means of access are necessary. It is not applicable to powered means of access such as

lifts, escalators, or other devices specially designed to lift persons between two levels.

For the significant hazards covered by this Part, see Clause 4.

## 2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the

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