



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

**GB/T 17888.2-2020**

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**Safety of machinery. Permanent means of access to machinery  
- Part 2: Working platforms and walkways**

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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 2 of GB/T 17888.

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

This Part replaced GB/T 17888.2-2008 Safety of Machinery - Permanent Means of Access to

Machinery - Part 2: Working Platforms and Walkways. Compared with GB/T 17888.2-2008, the major technical changes of this Part can refer to Annex B.

This Part used translation method to equivalently adopt ISO 14122-2:2016 Safety of Machinery

- Permanent Means of Access to Machinery - Part 2: Working Platforms and Walkways.

The Chinese documents that have consistent correspondence with the international documents

normatively cited in this Part are as follows:

- GB/T 8196-2018 Safety of Machinery - Guards - General Requirements for the Design and Construction of Fixed and Movable Guards (ISO 14120:2015, IDT)
- GB/T 15706-2012 Safety of Machinery - General Principles for Design - Risk Assessment and Risk Reduction (ISO 12100:2010, IDT)
- GB/T 18717.1-2002 Ergonomic Design for the Safety of Machinery - Part 1: Principles for Determining the Dimensions Required for Openings for Whole-Body Access into Machinery (ISO 15534-1:2000, NEQ)
- GB/T 18717.3-2002 Ergonomic Design for the Safety of Machinery - Part 3: Anthropometric Data (ISO 15534-3:2000, NEQ)
- GB/T 17888.1-2020 Safety of Machinery - Permanent Means of Access to Machinery - Part 1: Choice of Fixed Means and General Requirements of Access (ISO 14122-1:2016, 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 23821-2009 Safety of Machinery - Safety Distances to Prevent Hazard Zones Being Reached by Upper and Lower Limbs (ISO 13857:2008, IDT)

This Part made the following editorial modifications:

- Change the symbol of the head height from  $h$  to  $e$ ;
- Adjust the logical relationship of the specific requirements in 4.2.4.5.2 when the gap is greater than 20mm;
- Change the symbol of edge height from  $h$  to  $\alpha$  in Figure 3.

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

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The historical editions replaced by this Part are as follows:

--- GB 17888.2-1999, GB/T 17888.2-2008.

Safety of Machinery - Permanent Means of Access to  
Machinery - Part 2: Working Platforms and Walkways

## 1 Scope

This Part of GB/T 17888 gives requirements for non-powered working platforms and walkways

which are a part of a stationary machine, and to the non-powered adjustable parts (e.g., foldable,

sliding) and movable parts of those 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) 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 be used with GB/T 17888.1 to give the requirements for walking platforms and walkways.

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.

## 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

undated documents, only the latest version (including all the amendments) is applicable to this

document.

ISO 12100 Safety of Machinery - General Principles for Design - Risk Assessment and Risk Reduction

ISO 13857 Safety of Machinery - Safety Distances to Prevent Hazard Zones being Reached by Upper and Lower Limbs

ISO 14120 Safety of Machinery - Guards - General Requirements for the Design and