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Ladders - Part 5: Telescopic ladders

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is Part 5 of GB/T 17889 "Ladders". GB/T 17889 has published the following parts.

- Part 1: Terminology, type and functional dimensions;
- Part 2: Requirements, tests and marking;
- Part 3: Information for use;
- Part 4: Hinged ladders;
- Part 5: Telescopic ladders;
- Part 6: Movable platform ladders.

This document replaces GB/T 17889.5-2019 "Ladders Part 5: Telescopic ladders". This document is consistent with GB/T 17889.5-2019.

In addition to structural adjustments and editorial modifications, the main technical changes are as follows.

- Changed the scope of application of the document (see Chapter 1, Chapter 1 of the 2019 edition);
- Changed the terms and definitions of crossbar stabilizer (see 3.11, 3.13 of the 2019 edition);
- Changed the dimensional requirements for the crossbar type stabilizing bar (see 4.4, 4.3 of the 2019 edition);

- Changed the requirements for telescopic ladders (see Chapter 5, Chapter 5 of the 2019 edition);
- Changed the ladder frame strength test (see 6.3, 6.3 of the 2019 edition);
- Changed the ladder frame bottom test (see 6.6, 6.6 of the 2019 edition);
- Changed the bottom slip test of leaning ladder (see 6.11, 6.11 of the 2019 edition);
- Changed the torsion test in the length direction of the ladder (see 6.15, 6.14 of the 2019 edition);
- The durability test has been changed (see 6.16, 6.17 of the 2019 edition).
- The test order has been changed (see Appendix A, Appendix A of the 2019 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee for Machinery Safety Standardization (SAC/TC208).

This document was drafted by: Ningbo Xingfu Tools Co., Ltd., Guangdong Wanyi Home Furnishing Co., Ltd., Zhejiang Aopeng Industry and Trade Co., Ltd., Suzhou Feihua Aluminum Industry Co., Ltd., Suzhou Zhongchuang Aluminum Co., Ltd., Yongkang Weige Industry and Trade Co., Ltd., Zhejiang Yongan Deli Industry and Trade Co., Ltd.

Co., Ltd., China Machinery Research Institute of Standards and Technology (Beijing) Co., Ltd., Tianjin Jinmao Home Furnishing Co., Ltd., Shanghai Ruiju Metal Products Co., Ltd.

Ltd., Yongkang Jinou Machinery Co., Ltd., Shenyang Yongpan Metal Products Co., Ltd., Ningbo Xinyiyuan Aluminum Co., Ltd., Nanjing Forestry University, Suzhou Fushunhong Electronics Co., Ltd., Sichuan Shuxing Youchuang Security Technology Co., Ltd., Guangdong Communications Industry Service Co., Ltd., GAC Honda Motor Co., Ltd., Yiwu Jinglong Mould Co., Ltd., and Nan'an China Machinery Standardization Research Institute Co., Ltd.

The main drafters of this document are: Tao Junfu, Li Jiatao, Chen Miaoren, Zhang Xiuzhuo, Bao Minghua, Xu Fengge, Ye Anmin, Zhang Xiaofei, Li Jie, Cai Baorong, Zhang Xi, Chen Mingzhen, Ju Ronghua, Chen Jingjing, Jiang Jinghua, Qin Peijun, Jiang Jiesheng, Yang Yi, Liu Zhiyong, Wang Jing, Dong Kaibo, Li Qin, Zhu Bin, Zhang Peng, Zhang Yu, Zhang Qun, Cai Qiang, Li Fengming, Cheng Hongbing, Xu Haozhi, Gong Lihua, Zheng Huating, and Zhang Yan.

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Introduction

Ladder is a commonly used safety facility for climbing. GB/T 17889 aims to improve the

quality and safety level of ladder-related products and ensure User safety is planned to consist of 7 parts.

- Part 1: Terminology, types and functional dimensions. The purpose is to coordinate the standards related to ladders and give the commonly used terms, types and functional dimensions of ladders.

The functional dimensions that affect the quality and safety level of the ladder, as well as the design and testing required.

- Part 2: Requirements, tests and marking. The purpose is to ensure the safety level of ladders and to identify factors that affect the quality and safety level of ladders.

The requirements for elements are specified and corresponding test methods are given.

- Part 3: Usage information. The purpose is to ensure that users can use the ladder correctly according to the signs and instructions and to The requirements for labels that serve as warnings during the use of the product, as well as the information and expression methods that need to be given in the instructions.

- Part 4: Hinged ladders. The purpose is to ensure the quality and safety level of hinged ladders and to specify special requirements for hinged ladders.

- Part 5: Telescopic ladders. The purpose is to ensure the quality and safety level of telescopic ladders and to specify special requirements for telescopic ladders.

- Part 6: Movable platform ladders. The purpose is to ensure the quality and safety level of movable platform ladders.

Ladders have special requirements.

- Part 7: Detachable platform ladder. The purpose is to ensure the quality and safety level of detachable platform ladders.

Ladders have special requirements.

1 Scope

This document specifies the functional dimensions, requirements and test methods for telescopic ladders.

This document applies to telescopic ladders with a length not exceeding 5m when fully extended.

This document does not apply to extension ladders.

2 Normative references

GB/T 17889.1-2021