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General technical specifications for vault doors

金库门通用技术要求

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Foreword

The full technical content of this standard is mandatory. This standard was drafted in accordance with the rules given in GB/T 1.1-2009. Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying these patents. This standard is proposed and managed by the Ministry of Public Security of the People's Republic of China. This standard was drafted. National Security and Alarm System Product Quality Supervision and Inspection Center (Beijing), China Banking Regulatory Commission Security and Protection Bureau, the State Safety and Alarm System Product Quality Supervision and Inspection Center (Shanghai), Taishan Pingan Hardware Products Co., Ltd., Anhui Anyin Financial Equipment Preparation Co., Ltd., Taiyuan City Police Eagle Safe Manufacturing Co., Ltd., Beijing Fugao Economic and Trade Co., Ltd., Hunan Jinzheng Technology Co., Ltd., China National Bank, Industrial and Commercial Bank of China, China Construction Bank, Agricultural Bank of China, Shanghai Dibao Security Equipment Co., Ltd. The main drafters of this standard. Hu Zhiang, Qiu Rixiang, Li Jian, Yang Jianhua, Lu Yifa, Yan, Cai Zhiwei, Wang Shengmin, Cui Xiaokun, Hu Zeming, Li Maochun, Song Jinlei, Ren Wei, Wang Jianli, Yu Weijia, Xu Zhiwei.

This standard is based on the experience of more than 20 years of implementation of relevant industry standards in the treasury, combined with the social security situation and the anti-terrorism situation. The changing characteristics and the severe challenges brought about by the safety of key warehouses, while taking into account the application of advanced technology to the treasury products, It is a mandatory national standard to comprehensively improve the safety level of key places such as the treasury. General technical requirements for treasury

1 Scope

China's mandatory specification for vault doors - the doors of bank strongrooms, cash centres and the secure stores of institutions holding valuables, and a product whose entire purpose is to resist a deliberate, prepared, tool-assisted attack rather than an accident or a casual attempt. It specifies the terms and definitions, the product classification and marking, the technical requirements, the test methods, the inspection rules and the marking, packaging, transport and storage of vault doors. Security products are graded by time, and that is what the classification does here: a door is not secure or insecure but rated by how long it withstands defined attack methods with defined tools, which is the only definition that means anything operationally, since the rating is what the alarm response time has to be shorter than. The requirements cover the resistance to attack - the mechanical tools, the thermal methods and the explosive attack the grade calls for - and then everything that

makes the resistance real rather than nominal: the boltwork and its throw and engagement, the locks and their protection against manipulation and against drilling, the relocking device that must fire and jam the boltwork if the lock is attacked, the hinges and the requirement that removing them not open the door, the frame and its anchoring into the structure, and the resistance of the door body itself. To those are added the provisions the operator needs: the emergency release for a person shut inside, the ventilation, and the time lock and dual control arrangements where the specification calls for them. Issued on 4 April 2019 and in force since 1 May 2020.

This standard specifies the terms and definitions of treasury, product classification and marking, technical requirements, test methods, inspection rules and signs, packaging, Transportation and storage. This standard applies to the manufacture, installation, inspection and acceptance of treasury products in the financial, security, industrial and commercial and related industries. The doors used in his cultural relics and important items storage places can be referred to. This standard does not apply to the issuance of the People's Bank of China.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2828.1-2012.Sampling procedures for counting sampling - Part 1. Quantitative inspection by batches plan

GB 16796-2009 Safety and alarm equipment safety requirements and test methods GA/T 73-2015 mechanical anti-theft lock GA374-2001 electronic anti-theft lock

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Vault door vaultdoor A special door with certain vandalism installed at the entrance and exit of the vault.

3.2 Single fan swing treasury door single-leafvaultdoor It consists of a swinging door leaf and a fixed door frame, and the opening and closing of the treasury door is fixed by the hinge or the door shaft on the side of the door.

3.3 Double fan open vault door double-leafvaultdoor It is composed of two swinging door fans and a fixed door frame which are overlapped with each other, and the opening and closing of the treasury door is fixed by the hinge or the door shaft of the two door sides.

3.4 Pan Vault door slidingvaultdoor It consists of a sliding door leaf and a fixed door frame, and the door leaf moves in parallel in the track to open and close the treasury door.

3.5 Vault door in the vaultdoorwithemergencydoor There is a vault door on the door leaf with an emergency access door.

3.6 Door bolt mechanism boltwork A component that keeps the vault door locked or open.

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