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

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Steel seals and edge protectors for packing

包装用钢质锁扣及护角

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard was proposed by the China Iron and Steel Association. This standard is under the jurisdiction of the National Steel Standardization Technical Committee (SAC/TC183). Drafting organizations of this standard. Anshan Falan Co., Ltd., Jiangsu Juhong Banding Manufacturing Co., Ltd., Anhui Maanshan Iron and Steel Co., Ltd. Xishi Fangzheng Metal Band Co., Ltd., Metallurgical Industry Information Standard Research Institute. The main drafters of this standard. Wang Endong, Lu Qian, Gao Hong, Miao Jinming, Leng Mingjian, Wu Mingming, Li Fuqiang, Miao Kefei, Kong Qinggang, Wang Hong, Wang Yong, Zhou Xinqiang, Wang Lingjun. Steel locks and corner protectors for packaging

1 Scope

China's national standard for the steel seals and edge protectors used in packing. It specifies the classification and codes, the product marking and use, and the order content. These are the small pressed steel components that go with strapping: the seal is the sleeve crimped over the overlapping ends of a steel or plastic band to hold the joint, and the edge protector is the angle piece placed under the strap where it passes over the corner of a load. Both exist because a strapped load fails at predictable places. A joint that slips releases the whole strap; a strap that bears directly on a sharp corner cuts into the goods and is itself cut. The seal's holding power is therefore the property that matters and it depends on the crimping tool as much as on the seal, which is why the standard has to cover use alongside classification, and why the order content clause specifies the strap the seal is intended for.

This standard specifies the classification and code of steel locks and corner protectors for packaging, product marking and use, order content, technical requirements, and test methods Laws, inspection rules, packaging, signs and quality certificates. This standard applies to steel locks and corners (hereinafter referred to as locks and corners) that play a role in connection and protection during the strapping process of packaging steel tapes.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this document. For undated references, the latest version (including all amendments) applies to this document.

GB/T 247 General requirements for packaging, marking and quality certificates of steel plates and strips

GB/T 2975 Steel and steel product mechanical performance test sampling location and sample preparation

GB/T 8170 Numerical rounding rules and the expression and determination of limit values

GB/T 10125 Artificial atmosphere corrosion test salt spray test

GB/T 17505 General technical requirements for delivery of steel and steel products

GB/T 25820 Steel Strip for Packaging

3 Classification and code

3.1 See Appendix A for the description of the appearance of the lock and the corner protector.

3.2 See Table 1 for the classification and code of the lock.

3.3 The classification and code of the corner protector are shown in Table 2.