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

GB/T 35168-2017

Roller presses for the cement industry

水泥工业用辊压机

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Table of Contents

- 1 Scope
- 2 Normative references

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard proposed by the China Building Materials Federation. This standard by the National Building Materials and Equipment Standardization Technical Committee (SAC/TC465) centralized. This standard is drafted by: Sinoma Equipment Group Co., Ltd., China Building Materials (Hefei) Powder Technology Equipment Co., Ltd. Participated in the drafting of this standard. Chengdu Lijun Industrial Co., Ltd., Jiangsu Haijian Co., Ltd., Jiangsu Pengfei Group Co., Ltd. Limited, Yancheng Institute of Technology, Jiangsu Heng Yuan International Engineering Co., Ltd., CITIC Heavy Machinery Co., Ltd., Shanghai New Heavy Machinery Co., Ltd. Company, China Building Materials Machinery Industry Association, Zhengzhou Machinery Research Institute, Anhui Fung-wear-resistant materials Co., Ltd.. The main drafters of this standard. Xu Fen, Li Hong Shuang, Zhang Shengquan, Bao Wei, Wang Yumin, Hu Junya, Xu Zhiping, Deng Siwen, Wang Wang, Li Xiaoping, Liu Pingcheng, Jinpeng, Zhang Guangyu, Shi Shaoguang, Wei Jianjun, Chen Xiao. Cement industry with roller press

1 Scope

China's national standard for roller presses in cement production. It specifies the terms and definitions, the models and basic parameters, the requirements, the test methods, the inspection rules and the marking, packaging, transport and storage. A roller press works by a different principle from any mill: material is drawn between two counter-rotating rolls and subjected to very high pressure as a compacted bed, so the particles break against each other rather than against the equipment. That is the most energy-efficient way known to reduce a brittle material, because almost all the energy goes into the particle bed. The slab that emerges is riddled with cracks, and a modest amount of further grinding then liberates the fines. Roller presses are therefore usually installed ahead of a ball mill rather than instead of one, taking the coarse reduction and leaving the mill to finish - which is why they were adopted so widely as retrofits, and why the standard treats the press as a machine in its own right.

This standard specifies the terms and definitions of the cement industry with roller press (hereinafter referred to as "roller press"), model and basic parameters, requirements, test

Methods, inspection rules, marking, packaging, shipping and storage. This standard applies to the cement industry with roller press. Other industries with roller press can refer to the implementation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780.1997, MOD)

GB/T 700-2006 Carbon structural steel (ISO 630.1995, NEQ)

GB/T 1184-1996 Tolerances on Shape and Position Tolerances (eqv

ISO 2768-2.1989) Cast steel rolls GB/T 1503-2008

GB/T 1804-2000 General tolerances Tolerances for linear and angular dimensions without tolerance (eqv ISO 2768-1.1989)

GB/T 1958-2004 Geometrical product specifications (GPS) shape and position tolerance testing requirements

GB/T 2893 (all parts) Graphical symbols Safety colors and safety signs [

ISO 3864 (all parts), MOD]

GB/T 2970-2016 steel plate ultrasonic testing methods

GB/T 3098.1-2010 Mechanical properties of fasteners Bolts, screws and studs (ISO 898-1.2009, MOD)

GB/T 3098.2-2015 Mechanical properties of fasteners nuts (ISO 898-2.2012, MOD)

GB/T 3274 carbon structural steel and low alloy structural steel hot rolled steel plate and strip (GB/T 3274-2007, ISO 13976.) 2005, ISO 630.1995, NEQ)

GB/T 3639 cold drawn or cold-rolled precision seamless steel tubes