

## Process introduction

Ball mill trunnion (ball mill head) is an important part to bear cylinder of ball mill. Its main function is to support and connect cylinder, and it is also the access way for the material. The force axial meet at work is mainly bending force.

CHAENG can make various types of ball mill trunnion according to the drawings and sizes provided by the customers. Welcome to visit and consult!

According to customer requirements, CHAENG select the appropriate wooden mold for modeling design, use CAE simulation casting before actual casting, in strict accordance with the technological process of wooden mold – modeling – smelting pouring – heat preservation – sand cleaning and out of the pit – heat treatment – rough machining and fine machining – packaging and delivery, cast supporting roller with high quality.



## Product advantages

1. The hardness is 30% higher than that of the peers

CHAENG uses unique heat treatment technology to improve the hardness of the hollow shaft and enhance the impact resistance.

2. Life expectancy is 50% higher than that of peers

The hollow shaft made by CHAENG uses the high strength steel. In the early stage of the casting, professional engineers also optimize the process of hollow shaft according to the operation characteristics of ball mill which ensures the stability in the long run, and prolong the service life of the components.

3. Short production cycle

CHAENG has the strong strength of steel casting, which can produce large quantities of the hollow shaft and other parts. The casting cycle is short and the output is large.

## Projects

Ball mill made by CHAENG has been exported to Russia, the United States, India etc. more than 50 countries and regions, the hollow shaft in the ball mill are all independent production, the hollow shaft can be customized according to customer's drawings.



CHAENG cement mill trunnion

## Why choose CHAENG?

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Reason 1: More than 10 casting patents

Reason 2: The maximum capacity of the furnace can reach 30 tons

Reason 3: Professional casting team and modern casting workshop

### About CHAENG

Founded in 1958 and located in Xinxiang, Henan province, CHAENG has 60-year experience in equipment manufacturing with an area of 330,000 m<sup>2</sup> and 1 billion RMB of annual production value. The company is specialized in manufacturing ball mills, rotary

kilns, vertical mills, large steel casting and can undertake the EPC projects of cement production lines, active lime production lines, blast furnace slag/ steel slag/ nickel slag grinding plants. Its products are sold to more than 50 countries and regions in Southeast Asia, Central Asia, South Asia, North America, South America and Europe.

Our long-term strategic partners: Arcelor Mittal, Tata Group, Pohang Iron and Steel Company, Germany CCE, Japan Chiba, Shanghai Baosteel, Voestalpine and Aosen steel.

**CHANGENG**  
GREAT-WALL MACHINERY CORPORATION