

# Ball mill trunnion

## Introduction

Ball mill trunnion (ball mill hollow shaft) is an important part to support rotating ball mill cylinder. It is mainly used to support and connect ball mill cylinder, and is the inlet and outlet channel for materials. Thus ball mill trunnion shaft mainly bears the bending force during operation.

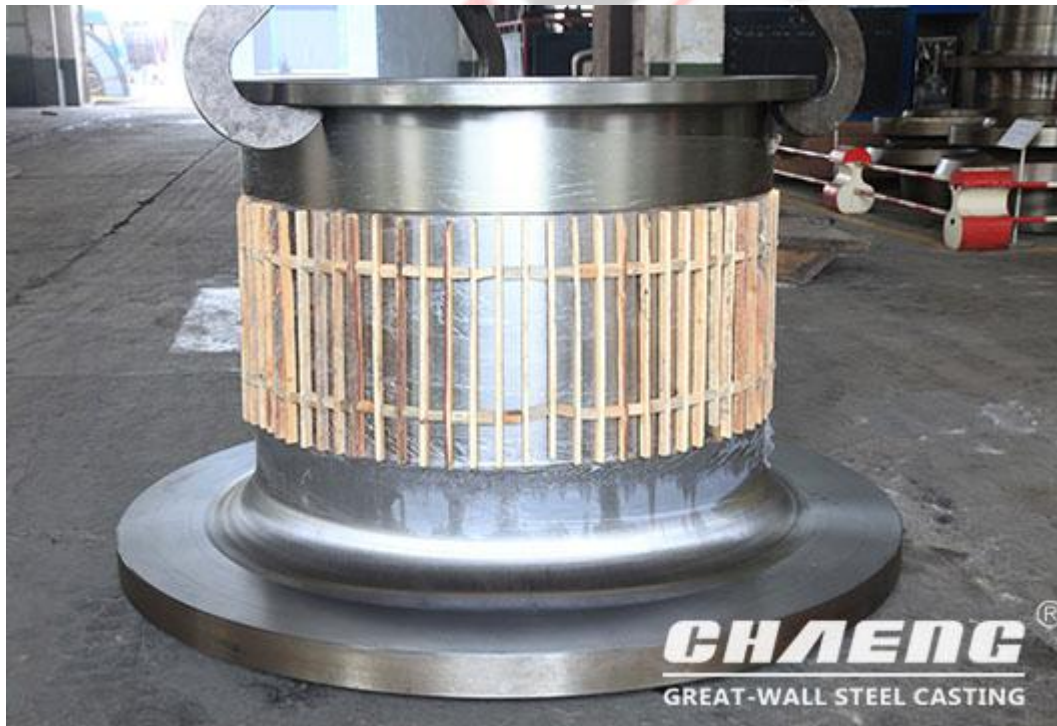
The fillet at the root of ball mill trunnion the stress concentration part, on which sand holes, pores and micro-cracks defects likely occur during casting.

**Weight** 5-30T

**Material** ZG230-450

**Application** Cement, metallurgy, building materials and other industries

**Customizable** Yes



## Processing advantages

1. Hardness is generally 30% higher than that of peers

Use unique heat treatment technology to improve the hardness and impact resistance of ball mill trunnion.

## 2. Service life is 50% longer than that of peers

Take use of the high-strength steel and optimize the structure of ball mill trunnion according to the operation characteristics of ball mill, to greatly ensure the stability during long time operation and prolong service life.

## 3. Short production cycle

CHAENG has a strong steel casting production ability. It can manufacture large batch of ball mill trunnion within short casting cycle.

## Process



Base on the requirements of customers, CHAENG selects appropriate wooden mold for modeling design, and uses CAE software to simulate the casting process. Strictly according to the process procedures to produce high-quality ball mill trunnion: wood mold - modelling - pouring - heat preservation - out of

the pit, sand cleaning - heat treatment - roughing, finishing - packing and delivery.

## Case



CHAENG ball mills are exported to more than 50 countries and regions, and the matched ball mill trunnion are all independently manufactured.

## Chaeng Service

### 1. Cost-effective

CHAENG has the top-ranking casting equipment, strictly follows the national level-2 detection standards, and executes 360° all-round nondestructive testing system, to ensure the reliable quality and long service life of steel castings. CHAENG is hailed as "the most cost-effective steel castings manufacturer".

### 2. Fast delivery

CHAENG has strong technical teams, detailed production scheduling, wide range of raw materials purchase channels, and perfect logistics delivery system, making efforts to achieve the shortest delivery period in china.

### **3. “Three-heart” service**

The 24h fast response and the customer services in all 365 days rest your heart when you make choice, ease your heart when you use the products, satisfy your heart when you enjoy the services.

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