

## Casting slag pot with trunnion

The slag pot is the transferring carrier of the steel slag transfer in the steelmaking plant. And after the transfer, the steel slag needs to be dumped. The conventional slag pot generally includes the trunnion and the flipping lug. The trunnion is arranged on both sides of the slag pot, and the flipping lug is arranged at the bottom of the slag pot.

CHAENG has 10 years of casting experience, producing hundreds of slag pots every year, serve more than 2,000 customers from 50 countries and areas.



### Manufacturing Process of CHAENG slag pot with trunnion:

- Moulding

Sand moulding.

- Trunnions

The trunnions are preferably cast-in: they are as a rule manufactured from the steel material S355 J2G3 to DIN EN 10250-2.

- Melting

The melting is carried out in the oxygen steel plant; the ladle capacity allows a continuous bottom pouring process the speed of which is permanently controlled. The metal analysis is checked by using a computer linked spectrograph.

- Heat treatment

- Heating to a temperature above AR3, austenitising at about 915°C and controlled cooling in furnace

- Intermediate holding at 600°C - 630°C and completion of cooling in furnace down to 300°C

- Polishing and dressing

The inner surface is processed so that the surface discontinuities - which might cause some sticking of the slag - are extensively removed. Additionally, the slag pots are descaled by shotblasting and the outside is additionally coated for transportation.



wood pattern



molding



pouring



finishing grinding



out of pit and cleaning



heat preservation



flaw detection



final products



loading

**CHAENG (Xinxiang Great Wall Steel Casting Co., Ltd)**

Office Add: Mengzhuang Town, Huixian City, Henan Province, China

Postcode: 453600

Website: [www.partscasting.com](http://www.partscasting.com)

Email: [casting@chaeng.co](mailto:casting@chaeng.co)

Tel: 86-371-55019878

Skype: greatwall1958

Fax: 86-371-55019608

