

Large bearing chock manufacturer - CHAENG

The bearing chock, generally located at the two ends of the shaft, is an important part of the mechanical equipment and exists as an intimate partner of the bearing to protect and fix the bearing. In addition, the bearing chock is typically provided with a seal to reduce bearing contamination.

The bearing chock of the rolling mill is mainly made of ZG45, which has good wear resistance and high strength after heat treatment. Rolling mill bearing chock also requires a certain shock absorption performance, since the bearing chock is the main force-bearing member in the whole equipment operation, each step is a complicated and very strict manufacturing process from casting materials to heat treatment.



Making process of CHAENG large bearing chock:

1. Simulation through InteCast CAE software

Using InteCast CAE software to digitally simulate the casting process, predict product defects, and formulate technical solutions in advance to avoid casting defects.

2. Wood mold modeling

Control the mold and molding process with instruments such as infrared range finder, three-coordinates measuring machine and endoscope.

3. Casting process

The company has two 60-ton alkaline arc furnaces, and also introduced German OBLF GS1000 vacuum direct reading spectrometer, carbon-sulfur high-speed analyzer, and microcomputer three-element high-speed analyzer to carry out refined inspection of molten steel components, and control the quality from the origin.

4. Out of the pit

CHAENG introduced a large trolley automatic shot blasting machine which can clean the castings quickly and effectively.

5. Heat treatment

Our company has 4 large-scale natural gas heat treatment furnaces, the largest of which

is 6*6*16.5 meters, which can meet the heat treatment requirements of different sizes of products.

Machining

A machining (group) center including 8 sets of various submerged arc welding machines, 6 sets of various quenching and electric furnaces and 22 sets of lifting equipment with high degree of intelligence and maximum lifting capacity of 200T, to meet the need to produce finished products.



CHAENG manufactures large cast steel bearing chock for ball mill main bearing, rolling mill work rolls, kiln support roller and pinion shaft according to customers' drawings.



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