

How CHAENG to cast a qualified large rolling mill housing

The rolling mill housing is the main bearing component of the rolling mill, and it is particularly important to control its mechanical properties. However, because the rolling mill housing has a large volume and weight, it is prone to shrinkage, looseness, coarse grains, etc.

CHAENG analyzes large-scale rolling mill housing, and proposes comprehensive measures such as reasonable casting process, reasonable control of molten steel composition, and determination of reasonable heat treatment process to ensure that quality requirements are met.



Quality control measures

1. Casting process design

Casting process design In order to ensure the uniform quality of the column on both sides, the technical team designs a suitable casting process plan according to the casting structure and performs numerical simulation through the casting simulation software. This casting process can avoid the occurrence of shrinkage, shrinkage and cracks. Practice has also proven that the casting process is reasonable.

2. Composition Control

Alloying is an effective way to improve the properties of steel. Therefore, reasonable control of the casting composition is very important to achieve the mechanical properties. The company uses German imported spectrometer to analyze the composition of molten steel to ensure the composition of molten steel and ensure the quality of castings.

3. Heat treatment process

Heat treatment is an effective process measure to improve material structure and material mechanical properties. The rolling mill housing has large frame structure and uneven thickness. Slow cooling speed and inconsistent shrinkage during casting process will result in coarse casting structure and poor mechanical properties. It is necessary to improve the structure and remove stress through heat treatment.

If you are looking for rolling mill housing manufacturer, contact CHAENG. We provide you with quality products and satisfactory service.

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