

Cast steel nodes

Introduction

In the design of steel structure grid, the node plays the role of transmission hinge, and occupies a key position in the whole structure. The node acts as the intermediate transfer station for transferring the load on the beam and the load on the roof to the column.

The cast steel nodes are finished in the factory to greatly reduce the workload of the aloft work, so that construction costs are reduced, the overall quality of the project is improved, and harm brought to the high-altitude construction personnel is also greatly decreased.

Weight	1-150T
Material	ZG20Mn5
Application	Building industry
Customizable	Yes



Processing advantages

1. The whole sample shape, the node quality is guaranteed

CHAENG adopts overall sample modelling for the node casting, which not only can make the cast steel node has beautiful streamlined appearance, but also can ensure the overall quality and safety of the node.

2. Mature casting process, level-2 flaw detection standard

CHAENG summed up a set of mature casting process from many years' experience in manufacturing large cast steel nodes: before casting, use CAE software to simulate and optimize the casting process of cast steel mode; during casting, strictly control each step of ; finally, take use of advanced detection equipment for the nondestructive inspection of cast steel nodes to ensure the quality.

CHAENG can reach the level-2 flaw detection standards.

3. Many practical cases, quality certificated

CHAENG cast steel nodes are applied to many domestic large airports, stadiums and other projects, such as: Karamay stadium, Zhengzhou high-speed rail station, especially the application in Fuzhou Olympic Sports Center project - the most important sports center in Asia, has proved that CHAENG cast steel nodes are reliable and first-class.

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 cast steel nodes: wood mold - modelling - pouring - heat preservation - out of the pit, sand cleaning - heat treatment - roughing, finishing - packing and delivery.



Case

CHAENG cast steel nodes are applied to many domestic large airports, stadiums and other projects, such as: Karamay stadium, Zhengzhou high-speed rail station, Fuzhou Olympic Sports Center, Shanghai Jinsha River Pedestrian Bridge, etc.





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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