

Steel Cast Node



Weight : 5-75t

Material : ZG20Mn5

Application: long span pipe truss steel structure

Customizable : Yes

一、Introduction

Cast steel node, also called cast steel Joint or Steel support node, now is widely used in large span space pipe truss of steel structure due to its excellent properties of easy machining and complex various construction forms. It owns the unique advantage, especially in the construction of many complex joint parts. Nowadays, cast node is widely applied in the railway stations, high-speed railway stations, airport buildings and stadiums construction.

二、Advantages of our Vertical Roller Mill Separator:

1. Cast steel nodes made by us uses the technic of particular heat treatment, which makes its structure optimized, its hardness improved, its wear-resistant and anti-impacting enhanced.



2.The place where steel pipes get together is molded directly, which makes the steel frame load more reasonable, the overall frame more stable, overcoming the harmful impact to overall frame due to the stress caused by centralized weld.

三、 Our main material for cast steel nodes is similar to followings:

Standard Specifications for Cast Steel		
Country	Standard	Grade
United Kingdom	BS 970-1	080 A20/080 A22
USA	ASTM A 29/A29M-04	1019/1022
Germany	DIN 17462	20Mn5

四、 Vertical Roller Mill Separator Quality assurance:

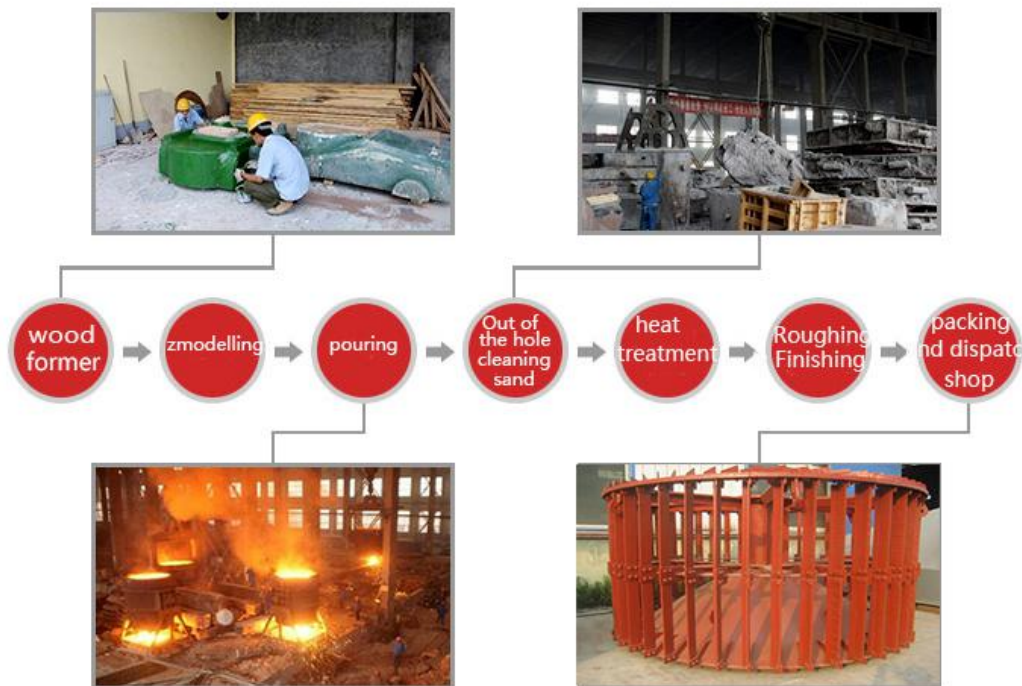
The fabrication route is governed by the provisions of the implemented Quality System ISO 2000 :9001. The standard documentation ensures the full traceability of every process step:

- Manufacturer test certificates according to DIN EN 3.1 § 10.204 including chemical composition, mechanical properties and non-destructive examination;
- Dimensional check supported with a “as-built“ sketch;
- Record of the heat treatment chart;



五、 Vertical Roller Mill Separator Manufacturing Process:

1. Wooden pattern Production
2. Molding
3. Pouring
4. First cleaning
5. Heat treatment – grinding (inspection)
6. Rough machining (inspection)-finishing machining (inspection)
7. Packing-delivering



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