

## Large gear customization, how does CHAENG make non-standard girth gears?

The girth gear is an important part of the transmission system. The girth gear is subject to more wear due to the intermittent interlocking with the pinion to drive the entire device. Therefore, equipment manufacturing has higher requirements on the wear resistance, load bearing capacity, service life, heat generation, weight and volume of the girth gears, which requires the gear casting and processing technology to be more advanced.



The requirements of CHAENG for the girth gear are high rotational efficiency, high power, long service life, low noise and low heat generation. In actual production, the quality requirements of large girth gears are very strict, so the processing of girth gears is very important. The following is a description of casting and processing technology of non-standard girth gear made by CHAENG.

CHAENG, according to customer requirements, selects the appropriate wood mold for modeling design, uses CAE software for simulation pouring process, and strictly follows the process procedures to produce high-quality girth gear: wood mold - modelling - pouring - heat preservation - out of the pit, sand cleaning - heat treatment - roughing, finishing - packing and delivery.

**CHAENG girth gear has the following unique advantages:**

### **1. Special Heat Treatment Technology**

CHAENG adopts special heat treatment technology to optimize structure, improve the hardness and enhance the impact-resistance of girth gear.

### **2. Long Service Life**

CHAENG uses high-strength steel materials to produce girth gear, and optimizes the structure of girth gear according the drive characteristics of rotary kiln and ball mill, to ensure the long-term stability of the girth gear.

### 3. Factory Price, Custom & Quick Delivery

CHAENG is large steel casting company with strong production capability, we can provide girth gear within short period.



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

www.partscasting.com

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

Tel: 86-371-55019878

Skype ID: greatwall1958