

Girth gear for cement and mining industry

CHAENG (Great Wall Steel Casting), as the steel casting base of CHAENG (Great Wall Machinery) which has over 60 years experience in cement and mining equipment, inherited a wealth of experience and technology in the manufacture of girth gear.

The girth gear bears its own external load depending on its structure and material strength, which requires the girth gear material to a high strength, toughness and wear resistance. Commonly the material is forged steel, cast steel, cast iron. CHAENG girth gear for mining and cement industry mainly uses cast steel, because the girth gear has larger diameter and complex structure, the cast steel girth gear has good tooth surface hardness and mechanical properties, high wear resistance, good toughness, not easy to deform and break.



Advantages:

1. Adopt special heat treatment technology to improve the structure optimization, the hardness, and enhance the wear-resistant and anti-impacting performances.
2. Adopts high strength steel materials.
3. Optimize girth gear based on the operation characteristics of the rotary kiln and ball mill,

to ensure the stability of the girth gear during the long time operation and extend its service life.

4. CHAENG has large production capability in steel castings, so we can provide girth gear with short cast period and large amount.

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