

Casting material of large rotary kiln tyre

The [rotary kiln tyre](#) is a large round steel ring, generally using the cast steel material zg45 or ZG35CrMo. The rotary kiln tyre is sleeved at the interface of each section of the rotary kiln, fixed on the rotary kiln, and installed above the supporting roller. The rotation of the rotary kiln will cause the wear of the tyre, and the rotary kiln has a large volume and a heavy mass, which causes the tyre to bear a relatively large force and be easy to break.

Through the unremitting efforts of the technical team, CHAENG have improved the casting process of rotary kiln tyre to greatly increase the service life.





Advantages of CHAENG rotary kiln tyre:

1. The CHAENG rotary kiln tyre has high strength and good durability.

CHAENG uses ZG45 and ZG42CrMO material, which can guarantee the strength and toughness of rotary kiln tyre, so as to play a better supporting role.

2. The rotary kiln tyre are treated with an advanced dual-media quenching process during the casting process, with strong adaptability

CHAENG adopts advanced two-medium quenching process to process uniformly every part of rotary kiln tyre, so that CHANEG rotary kiln tyre has high hardness and high toughness and good wear resistance, can adapt to a variety of harsh working environment.

3. Simple structure, easy for routine maintenance.

4. CHAENG can produce rotary kiln tyres of various specifications according to the customer's drawings.

The optimized technology and excellent quality can ensure that rotary kiln tyre produced by CHAENG matches well with the original rotary kiln equipment.

Customer case

CHAENG provided [rotary kiln supporting rollers](#) and tyres for Mengdian Group's $\phi 4.0 \times 60\text{m}$ rotary kiln. The key parts of the rotary kiln tyre can reach the level-II flaw detection standard, which made the customer rave about CHAENG, and said that they would choose CHAENG again for rotary kiln tyres and support rollers in the future.

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