

Kiln support roller

Introduction

The kiln support roller assemblies carry the weight of the entire rotating part, guide the direction of kiln cylinder, and makes the rotary kiln cylinder and rolling ring can rotate smoothly on the support roller, so the ultrastrong endurance of the support roller is relatively high, and it is an indicator to measure the quality of rotary kiln.

Weight 7-42T

Material ZG55, ZG42CrMo

Application Cement, metallurgy, chemical, construction industries

Customizable Yes



Processing advantages

CHAENG has many years' experience in manufacturing rotary kiln and possesses the largest casting base in the north area of Henan Province. Thus CHAENG has mature process technology in manufacturing kiln support rollers.

CHAENG support roller has the following remarkable advantages:

1. Use high-quality steel material, can carry a large load

CHAENG kiln support roller adopts ZG55, ZG42CrMo steel materials with high tensile strength and good impact toughness, which greatly ensures the quality of support roller. So that CHAENG kiln support roller has the advantages of large load carrying capacity and good continuous operation performance.

2. Simple process, low maintenance cost

CHAENG support roller is rolling bearing-roller set. The rolling bearing manufacturing precision is high, compared with sliding bearing, it can make rotary kiln rotating more stably, and reduce maintenance cost.

3. Unique process technology to guaranteed the product hardness

CHAENG uses normalizing and tempering process to greatly ensure the quality of kiln support roller. The outer surface hardness of the support roller is higher than 200HB, and the roller has good temperature resistance, small friction resistance.

Process



The first step: Simulation and modeling

Before casting, numerically simulate the casting process by CAE software to analyze the molding process, predict and optimize the product quality.

Metallurgical auxiliary devices are complete to control the overall size well.

Water glass sand molding process can prevent the hot cracks on castings, and the pit moulding is efficient and not subject to the effects of season.

The second step: pouring and heat treatment

The qualified raw and auxiliary materials shall be put into the arc furnace according to the proportion, and the sampling of hot metal shall be carried out to perform the spectral analysis. After qualification, the pouring shall be carried out according to the principle of "low temperature and quick casting", and the pouring time and temperature shall be recorded.

The third step: polishing and flaw detection

Finally, cut the pouring riser and burr etc. CHAENG has professional mechanical polishing teams and large-scale blasting apparatus, which can effectively improve the appearance quality of support roller, to meet customer's requirements on surface finish. Moreover CHAENG take use of advanced detection equipment for non-destructive testing to ensure the internal quality of supporting roller, strictly stop any defective goods from leaving the factory.

Case

CHAENG kiln support rollers are used in many cement production lines in China, for example: 5000TPD cement rotary kiln of Henan Meng Electric Cement Factory.



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.

CHAENG - Xinxiang Great Wall Steel Casting Co., Ltd

Website: www.partscasting.com

Tel: 86-371-55019878

Skype: greatwall1958

Fax: 86-371-55019608

E-mail: casting@chaeng.co

Office Add: Mengzhuang Town, Huixian City, Henan Province, China

Postcode: 453600

