

Riding wheel for rotary kiln



Weight: 7~42T

Applicable device: Rotary Kilns

Application: Cement, metallurgy, chemical, construction industries, etc

Customizable: Yes

一、Introduction

We riding wheel are made from ZG55 and ZG42CrMo. This kind of material guarantee the quality of riding wheel, and also make riding wheel large loading bearing and good continuous operation performance.

二、Advantages of Riding wheel for rotary kiln:

1. Large load bearing, good continuous operation performance
2. This kind of riding wheel uses rolling bearing wheel sets, and is simple in structure and convenient to maintain and adjust.
3. Heat treated through normalizing and tempering, hardness of riding wheel is higher.

We apply normalizing and tempering heat, which makes riding wheel's outer surface hardness higher than 200HB; guarantee the quality of riding



wheel for rotary kiln.

三、 Our main material for the Riding wheel for rotary kiln is similar to followings:

Standard Specifications for Cast Steel		
Country	Standard	Grade
United Kingdom	BS3100	A5
USA	AISI/SAE	UNS J05000
Germany	/	/
Japan	/	/
International	ISO 3755:1991	340-550

Standard Specifications for Cast Steel		
Country	Standard	Grade
United Kingdom	BS 970-1	708A42
USA	ASTM A29/A29M	4140/4142
Germany	EN10083-1	42CrMo4
Japan	JIS G4053-2003	SCM440
International	ISO 683/1	3

四、 Kiln support roller 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、 Kiln support roller 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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