

## Submerged Entry Nozzle Continuous Casting Sub Entry Nozzle For Steel Continuous Casting

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng Refractory Submerged Nozzle
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



### Product Specification

- Color: White
- Durability: High
- Flexibility: Medium
- Heat Resistant: Yes
- Length: 10 Cm
- Material: Cotton
- Shape: Square
- Size: Medium
- Stability: High
- Texture: Smooth
- Thickness: 1 Cm
- UV Resistant: Yes
- Waterproof: Yes
- Weight: 2 Kg
- Width: 10 Cm

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### Product Description

#### Description of Refractory Submerged Nozzle For Steel Continuous Casting

A submerged nozzle is a crucial component in the continuous casting process, which is a method used in steelmaking to produce metal products such as billets, blooms, and slabs.

The primary function of the submerged nozzle is to control and regulate the flow of molten metal from the tundish into the mold. It acts as a conduit through which the molten metal passes from the tundish to form the desired shape in the casting mold.

The nozzle is positioned in the tundish in such a way that it is completely submerged in the molten metal. This ensures that the metal flows smoothly through the nozzle without any interruptions.

The nozzle is typically made of refractory materials, which are chosen for their ability to withstand extremely high temperatures without deforming or undergoing significant chemical changes.

#### Advantages and Considerations:

The design and material of the submerged nozzle are critical factors in ensuring a smooth and controlled flow of molten metal.

It needs to be resistant to the high temperatures and erosive effects of the molten metal.

Importance in Continuous Casting:

In the continuous casting process, the submerged nozzle is a key component. It plays a vital role in directing the flow of molten metal from the tundish into the mold, allowing for the continuous formation of metal products.

#### Physical and chemical indicators of Refractory Submerged Nozzle For Steel Continuous Casting

Item	Index			
	JSK55	JSK50	JSK45	
Al <sub>2</sub> O <sub>3</sub> %	≥55	≥50	≥45	
C %	≥16	≥18	≥20	
Flexural Strength MPa	≥5.5	≥5.5	≥5.5	
Apparent porosity %	≤19	≤19	≤19	
Bulk density g/cm <sup>3</sup>	≥2.36	≥2.32	≥2.28	

#### Slag Area:

Item	Index			
	Z75	Z70	Z65	
ZrO <sub>2</sub> %	≥75	≥70	≥65	
C %	≥9	≥12	≥15	
Apparent porosity %	≤21	≤21	≤21	
Bulk density g/cm <sup>3</sup>	≥3.6	≥3.5	≥3.4	



Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd



+86-18538509097



Jackyhan2023@outlook.com



bricksrefractory.com

11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China