255mm 48 Teeth TCT Circular Slitting Knife Industrial Blade For Porcelain Ceramic Tile

Our Product Introduction

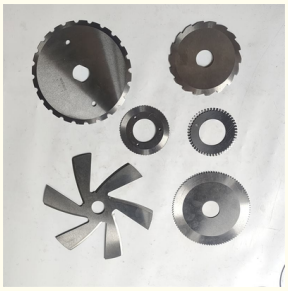
Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: TCT
- Minimum Order Quantity: MOQ 10 Pieces
- Price: Can be discussed
- Packaging Details: 1pc/wrapper, 100pcs/box, 100boxes/ctn,Wooden and carbon boxes
- Delivery Time: 30 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 500 Piece/Pieces per Day

Product Specification

- Product Name: 255mm 48 Teeth TCT Circular Saw Industrial Blade For Porcelain Ceramic Tile
- Material: TCT
- Hardness: HRC42-72
- Precision: ±50 Micron
- Length: 355mm
- Width: 40mm
- Thickness: 1.5mm
- Applicable Industries: Manufacturing Plant
- Highlight: **tct circular slitting knife**, **255mm circular knife blade**, **255mm circular slitting knife**

More Images



Our Product Introduction

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Product Description

255mm 48 Teeth TCT Circular Saw Industrial Blade For Porcelain Ceramic Tile

Description:

The main structural components of industrial circular saw blades are typically as follows:

1,Blade Body:
This is the main part of the blade, made of high-strength alloy steel materials, such as high-carbon steel, alloy steel, or tungsten carbide.
The blade body provides the necessary strength and rigidity for the cutting operation.
2,Saw Teeth:
The saw teeth are located along the edge of the blade body and are responsible for the actual cutting action.
The design of the tooth shape, material, and angle directly affects the cutting performance and efficiency.
3,Blade Holes:
The holes at the center of the blade are used to mount the blade onto the machine's spindle.
The size, shape, and positioning of the holes determine the blade's installation accuracy and stability.
4,Limiting Slots:
A series of limiting slots or grooves are often present around the blade's periphery.
These limiting slots can reduce the blade's weight, lower the centrifugal forces, and provide interfaces for blade fixation and positioning.
5,Cooling Holes:
Some blade designs incorporate cooling holes or channels in the blade body.
These allow for liquid or air-based cooling to effectively dissipate the heat generated during the cutting process.
6,Balancing Holes:
To ensure blade balance, one or more balancing holes may be drilled into the blade.
Adjusting the position and size of these holes enables fine-tuning of the blade's dynamic balance.

Industrial Blade Specifications:

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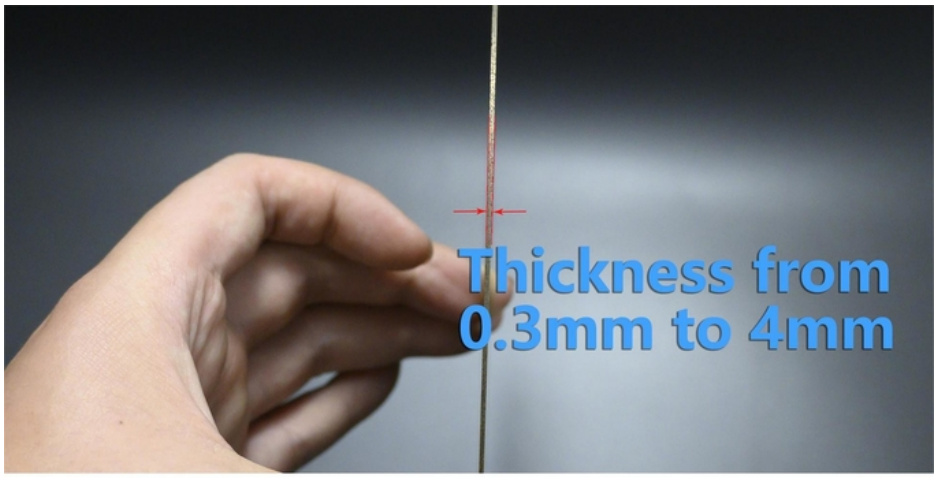
Material	TCT
Hardness	HRC42-72
Precision	±50 Micron
Length	355mm
Width	40mm
Thickness	1.5mm
Applicable Industries	Manufacturing Plant

The geometric shape and dimensions of industrial circular saw blades have a significant impact on their cutting performance. The key factors include:

1,Tooth Shape:
The angle, size, and profile of the saw teeth directly affect the chip removal, tool vibration, and smoothness of the cut.
Sharper tooth designs generally provide better cutting performance, but need to be balanced with strength and wear resistance.
2,Blade Diameter:
Larger blade diameters offer higher cutting capacity, but also increase centrifugal forces and vibration.
The optimal diameter must balance cutting ability, stability, and mechanical strength.
3,Blade Thickness:
Thinner blades can reduce the size of cut chips, thus lowering wear.
However, excessively thin blades are prone to deformation or breakage, so a balance between rigidity and weight is required.
4,Arbor Hole Diameter:
The correct arbor hole size ensures stable blade installation and dynamic balancing.
Too large a hole compromises strength, while too small a hole makes installation difficult.
5,Blade Back Angle:
The blade back angle determines the angle of contact between the blade and the workpiece, affecting cutting performance and chip evacuation.
Negative back angles are commonly used to improve cutting efficiency.
6,Cooling Hole Design:
Strategically placed cooling holes can effectively dissipate heat buildup during the cutting process.
The size, number, and location of the cooling holes need to be optimized for the specific application.

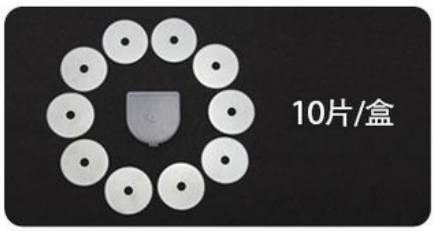
Picture:

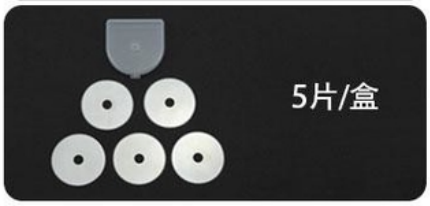
Size:



Applications:

Packing:





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