1.5mm Thickness Tungsten Carbide Rotary Slitter Knife Industrial Slitting Machine Parts

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: Tungsten Carbide
- 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: Rotary Slitter Knife
- Material: Tungsten Carbide
- Precision: 0.01-0.05mm
- Hardness: HRC 46-78
- Outer Diameter: 620mm
- Thickness: 1.5mm
- Inner Diameter: 110mm
- Applicable Industries: Manufacturing Plant
- Highlight: **rotary slitter knife industrial**, **tungsten carbide rotary slitter knife**, **1.5mm rotary slitter knives**

More Images

Our Product Introduction

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Product Description

1.5mm Thickness Tungsten Carbide Rotary Slitter Knife Industrial Slitting Machine Parts

Description:

When selecting the optimal circular blade material for a specific cutting task, there are several key factors to consider:

1,Material Being Cut:
Soft materials (wood, plastics, etc.): High-carbon steel blades are generally sufficient and cost-effective.
Hard materials (metals, masonry, ceramics): Alloy steel or carbide-tipped blades are better suited to withstand the increased wear and maintain sharpness.
Abrasive materials (fiber cement, stone): Carbide-tipped or coated blades (e.g., TiN, DLC) are recommended for extended lifespan.
2,Cutting Frequency and Duty Cycle:
Occasional or light-duty cutting: High-carbon steel blades may be adequate.
Frequent or heavy-duty cutting: Alloy steel or carbide-tipped blades are more durable and cost-effective in the long run.
3,Desired Cutting Performance:
For clean, precise cuts: Coated blades can provide improved cutting efficiency and finish.
For high-speed cutting: Alloy steel or carbide-tipped blades may be able to maintain their sharpness better.
4,Environmental Conditions:
Humid or corrosive environments: Coated blades or stainless steel alloys are more resistant to rust and corrosion.
High-temperature applications: Heat-resistant alloy steels or specialized blade materials may be necessary.
5,Budget and Cost Considerations:
High-carbon steel blades are generally the most affordable option.
Alloy steel and carbide-tipped blades have higher initial costs but can offer better value in the long run due to their extended lifespan.
Coated blades typically have the highest upfront cost but can provide significant performance and durability benefits.

Rotary Slitter Blade Specifications:

Product Name	Rotary Slitter Knife
Material	Tungsten Carbide
Precision	0.01-0.05mm
Hardness	HRC 46-78
Outer Diameter	620mm
Thickness	1.5mm
Inner Diameter	110mm
Applicable Industries	Manufacturing Plant

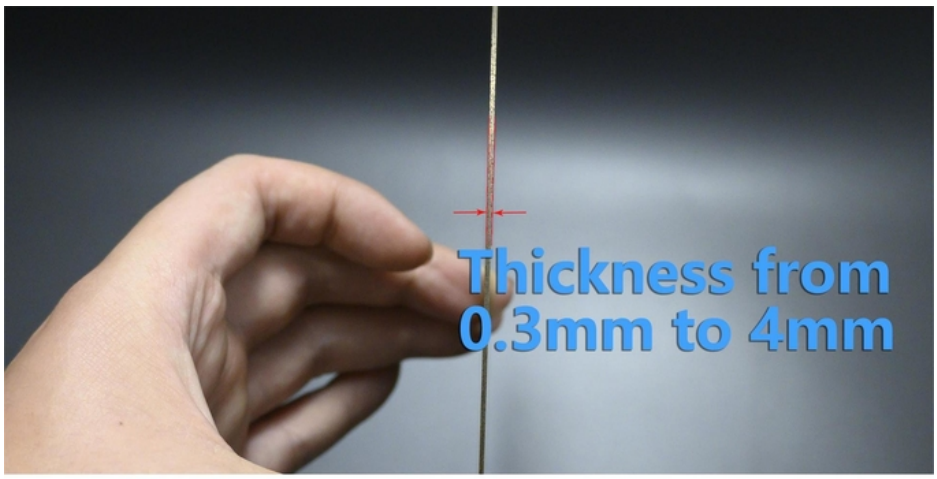
The design of the blade's tooth pattern and thickness are critical factors that can significantly impact the cutting performance and efficiency. Let's dive deeper into these aspects:

Tooth Pattern and Geometry:
1,Tooth Shape:
Flat-Top Teeth: Provide a clean, smooth finish on materials like wood and plastic.
Angled/Bevel Teeth: Offer faster, more aggressive cuts on harder materials like metal and masonry.
Alternating Bevels: Alternate the tooth direction to create a "triple-chip" cutting action, reducing vibration and improving finish.
2,Tooth Pitch:
Tooth Spacing or "Pitch": The distance between adjacent teeth, measured in teeth per inch (TPI) or millimeters.
Higher TPI (more teeth) results in smoother, more refined cuts but slower cutting speeds.
Lower TPI (fewer teeth) allows for faster, more aggressive cutting but may leave a rougher finish.

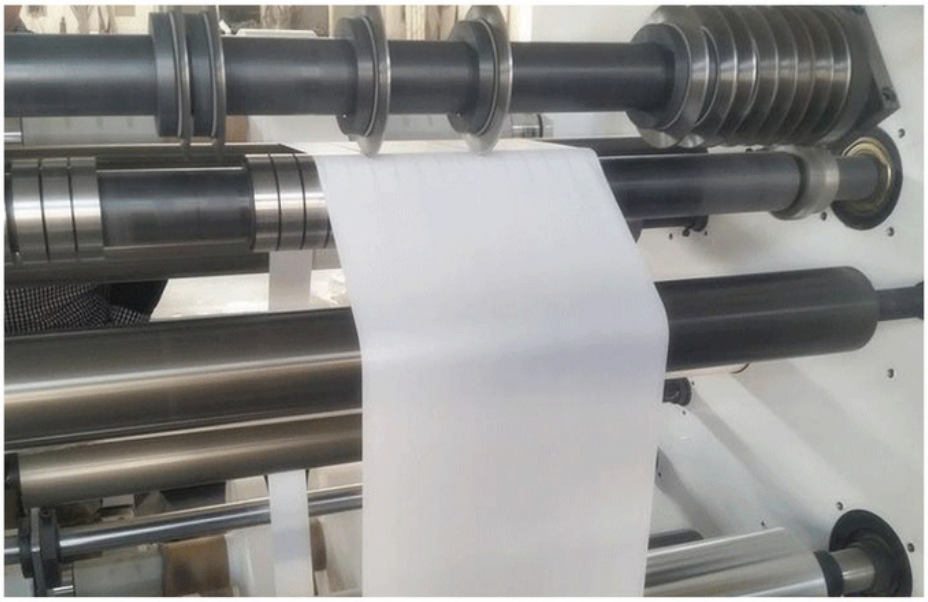
Blade Thickness:
1,Thin Blades:
Offer greater flexibility and maneuverability, allowing tighter cutting radiuses.
More susceptible to deflection, vibration, and potential warping or bending under heavy loads.
2,Thick Blades:
Provide increased rigidity and stability, reducing vibration and improving cutting accuracy.
Can handle higher cutting forces and remain straighter during operation.
May be less maneuverable in tight spaces due to their increased thickness.

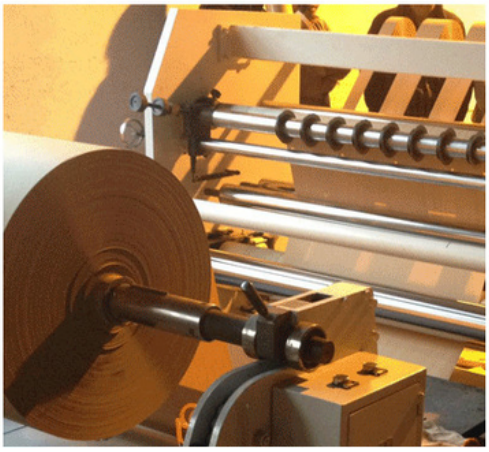
Picture:

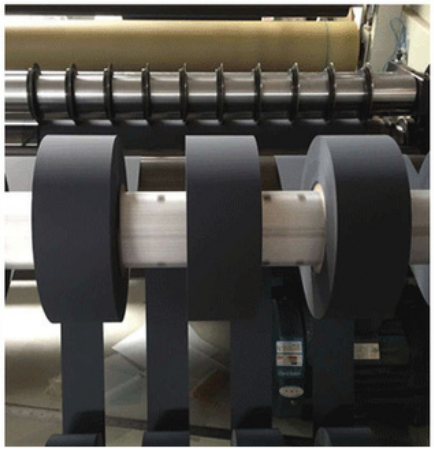
Size:



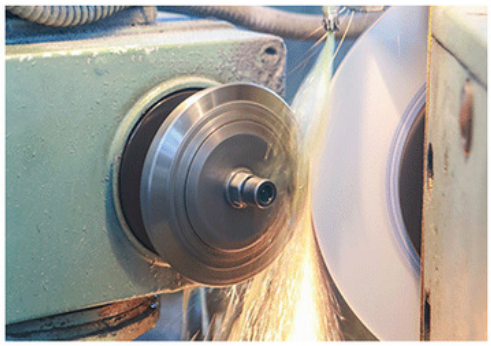
Applications:





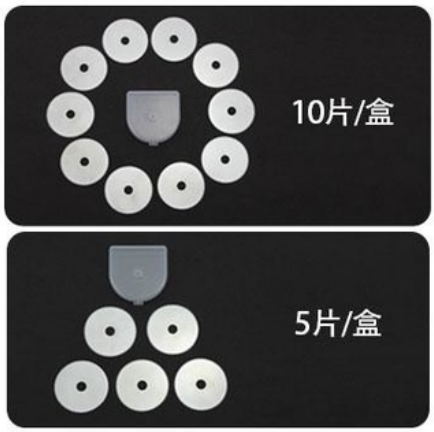


Our Factory:



Seton Blade----15 years of experience in the manufacture of industrial blades
Our mission is simple - make cutting effortless for our clients! To do this we ask questions about your specific application and then listen. Once we understand what you are trying to accomplish, we provide options that best meet your specific needs. we also provide extensive productand deep inventory..

Packing & Delivery:



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