Tungsten Carbide Steel Slotted Slitter Industrial Cutter Knife Blade With Four Holes

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: Tungsten Carbide Steel
- 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: Slotted Slitter Industrial Cutter Knife Blade
- Material: Tungsten Carbide Steel
- Hardness: HRC89.5-92
- Precision: ±50 Micron
- Length: 100mm
- Width: 18mm
- Thickness: 0.4mm
- Applicable Industries: Manufacturing Plant
- Highlight: **tungsten cutter knife blade**, **tungsten industrial knife blade**, **carbide cutter knife blade**

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Our Product Introduction

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Product Description

Tungsten Carbide Steel Slotted Slitter Industrial Cutter Knife Blade With Four Holes

Description:

Industrial slit saw blades used in slitting and longitudinal cutting machines have the following key features and characteristics:

1,Blade Profile and Geometry:
Slit saw blades typically feature a narrow, elongated profile to enable precise and clean cuts along the length of the material being processed.
The blade geometry is often asymmetric or irregular, with specialized tooth patterns and edge designs tailored to the specific cutting application.
2,Material Composition:
Slit saw blades are commonly made from high-performance tool steels, such as M2 or M42 high-speed steel, or carbide-tipped designs for increased wear resistance.
The material selection is crucial to ensure the blades can withstand the high stresses and loads encountered during the slitting or longitudinal cutting process.
3,Kerf Width and Precision:
The kerf width, which is the width of the cut made by the slit saw blade, is a critical parameter that needs to be precisely controlled.
Narrow kerf widths are desirable to maximize material yield and minimize waste, while maintaining the necessary cutting precision and edge quality.
4,Vibration Dampening:
Slit saw blades are designed with features or mounting configurations that help dampen vibrations during the cutting process.
This vibration control is essential for maintaining the desired cutting accuracy and surface finish of the slit or longitudinal cuts.
5,Cooling and Lubrication:
Effective cooling and lubrication systems are often integrated into the slit saw blade design or the cutting machinery.
This helps dissipate heat buildup, reduce friction, and extend the blade's lifespan by preventing premature wear or damage.
6,Blade Sharpening and Maintenance:
Slit saw blades are typically designed to be resharpened and maintained to prolong their usable life.
Special sharpening equipment and techniques are employed to restore the blade's cutting edge without compromising its geometry or performance characteristics.
7,Quality Control and Consistency:
Rigorous quality control measures are implemented in the manufacturing of slit saw blades to ensure consistent performance, dimensional accuracy, and edge quality.
This includes comprehensive testing, inspection, and validation procedures to meet the required specifications for each cutting application.

Industrial Blade Specifications:

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Material	Tungsten Carbide Steel
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Precision	±50 Micron
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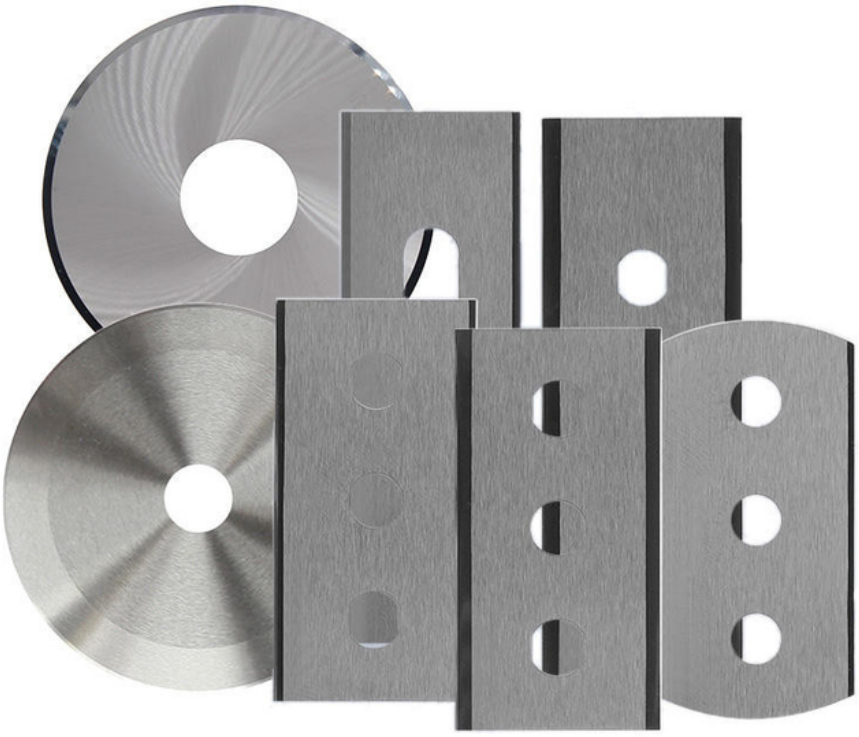
Width	18mm
Thickness	0.4mm
Applicable Industries	Manufacturing Plant

The lifespan of industrial slit saw blades used in slitting and longitudinal cutting machines depends on various factors, but with proper care and maintenance, these blades can have an extended useful life. Here are some key considerations regarding the typical lifespan of slit saw blades:

1,Blade Material and Design:
Blades made from high-quality tool steels or carbide-tipped designs generally have a longer lifespan compared to standard carbon steel blades.
The blade geometry, tooth pattern, and edge design also play a crucial role in the blade's wear resistance and cutting performance.
2,Cutting Application and Conditions:
The type of material being cut, cutting speeds, feed rates, and environmental factors can significantly impact the blade's lifespan.
Cutting softer materials, such as plastics or thin metals, tends to result in longer blade life compared to cutting harder, more abrasive materials.
3,Blade Maintenance and Sharpening:
Regular inspection, cleaning, and timely resharpening of slit saw blades can dramatically extend their usable lifespan.
Proper sharpening techniques, performed by experienced professionals, can restore the blade's cutting edge without compromising its structural integrity.
4,Cutting Fluid and Lubrication:
The use of appropriate cutting fluids and lubrication systems helps dissipate heat, reduce friction, and minimize wear on the slit saw blades.

Maintaining the cutting fluid and regularly replacing it can prolong the blade's lifespan.
5,Blade Mounting and Alignment:
Ensuring the blades are properly mounted and aligned in the slitting or longitudinal cutting machinery is crucial to prevent excessive vibration and uneven wear.
Proper blade setup and maintenance can significantly extend the blade's usable life.
6,Operator Training and Handling:
Educating machine operators on proper blade handling, cutting techniques, and maintenance procedures can help prevent premature blade failure or damage.
Encouraging a culture of care and attention to detail when working with slit saw blades is important.

Picture:



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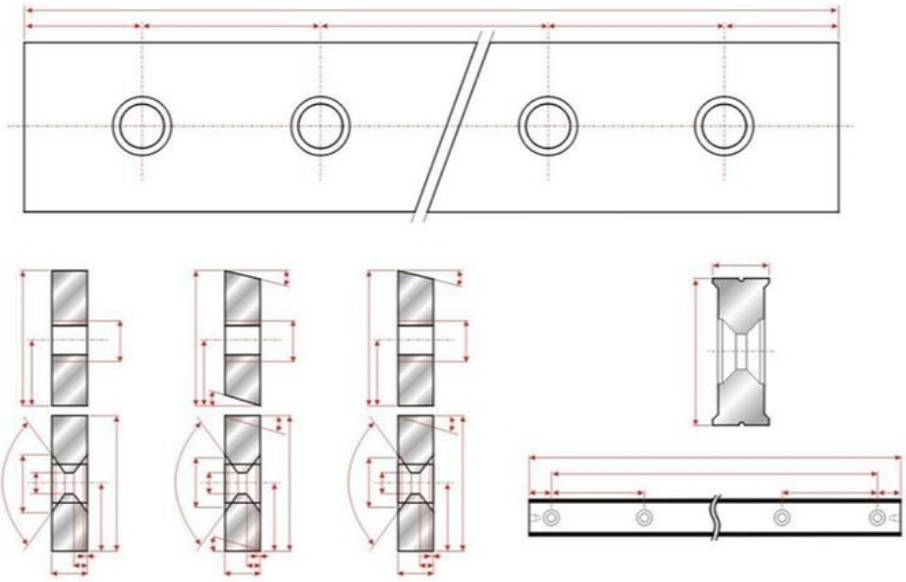
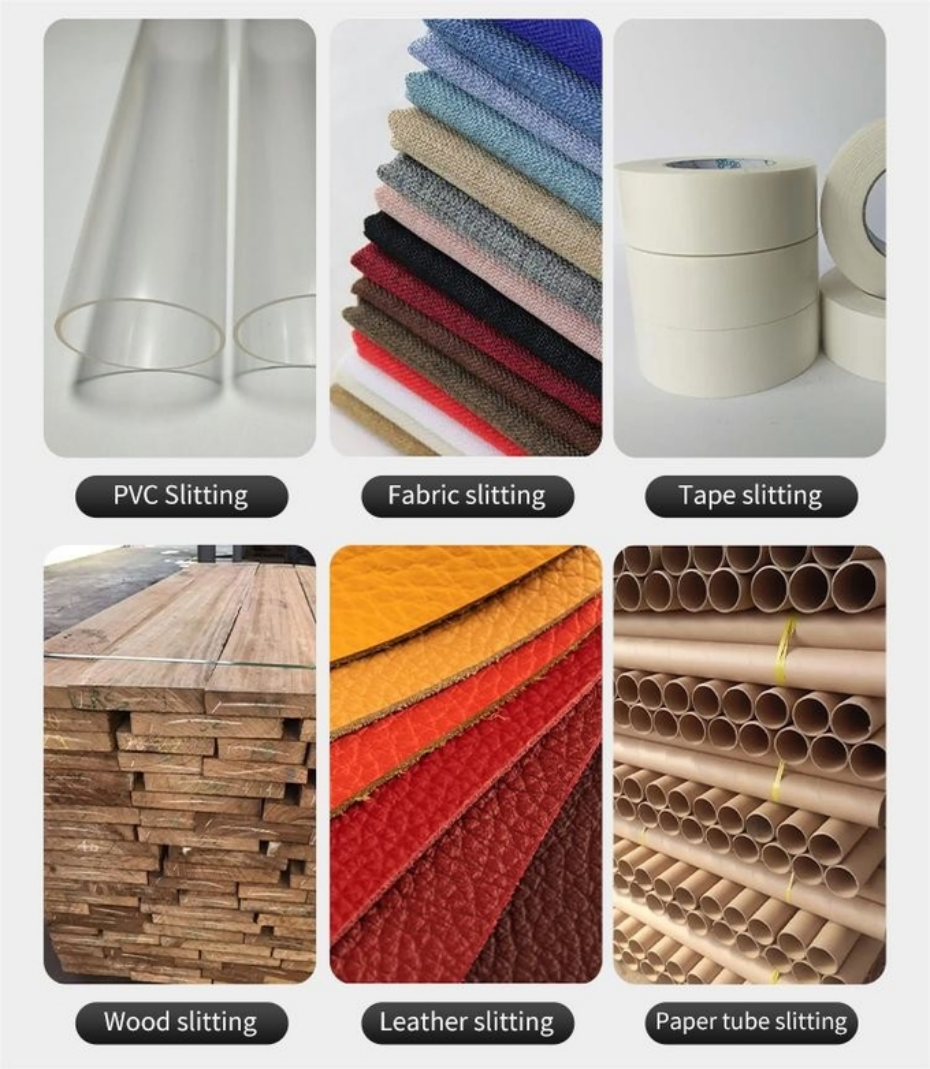


Applications:


PVC Slitting
Fabric slitting
Tape slitting
Wood slitting
Leather slitting
Paper tube slitting

Packing:

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