



280*80*0.6mm Hard Alloy Circular Slitter Knife Round Blade For Paper

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: Hard Alloy
- 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

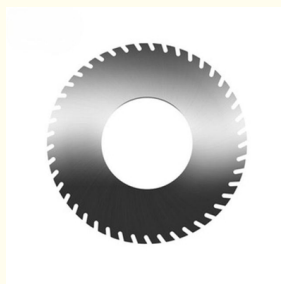


Product Specification

- Product Name: Circular Slitter Knife Round Blade
- Material: Hard Alloy
- Precision: 0.01-0.05mm
- Hardness: HRC 44-72
- Outer Diameter: 280mm
- Thickness: 0.6mm
- Inner Diameter: 80mm
- Applicable Industries: Manufacturing Plant
- Highlight: **circular slitter knife round, hard alloy circular slitter knife, circular rotary slitter knife**



More Images



Product Description

280*80*0.6mm Hard Alloy Circular Slitter Knife Round Blade For Paper

Description:

The materials and structure of circular blades are critical factors that determine their performance and capabilities. Here are the key details:

Materials:

1,Steel:

High-Carbon Steel: This is the most common material used for circular blades.

Alloy Steel: Steel alloyed with elements like chromium, vanadium, or tungsten for enhanced hardness, toughness, and heat resistance.

2,Carbide:

Carbide-Tipped Blades: The blade teeth are tipped with tungsten carbide for exceptional abrasion resistance and prolonged sharpness when cutting hard materials like masonry or hardened metals.

3,Coatings:

Titanium Nitride (TiN) Coating: Provides a hard, wear-resistant surface that improves cutting efficiency and extends blade life.

Diamond-Like Carbon (DLC) Coating: Offers exceptional hardness and low friction for smooth, fast cutting.

Blade Structure:

1,Outer Ring:

This forms the toothed cutting edge of the blade.

The number, shape, and configuration of the teeth are designed for specific cutting applications.

2,Inner Ring:

The central part of the blade with a mounting hole to attach it to the cutting tool.

The hole diameter varies, with common sizes being 16mm, 20mm, 25.4mm (1 inch), and 30mm.

3,Thickness:

Typical blade thicknesses range from 1mm to 3mm, with the most common being 1.2mm, 1.6mm, 2.0mm, and 2.4mm.

4,Diameter:

Circular blades are available in a wide range of diameters, typically from 4 inches (100mm) to 14 inches (350mm).

The selected diameter depends on the specific cutting application and the tool it will be used with.

Rotary Slitter Blade Specifications:

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Hardness	HRC 44-72
Outer Diameter	280mm
Thickness	0.6mm
Inner Diameter	80mm
Applicable Industries	Manufacturing Plant

The material composition of circular blades significantly impacts their cutting performance and durability. Let's compare the differences between the main material types:

High-Carbon Steel:

1,Cutting Performance:

Good all-around cutting ability, suitable for a variety of materials.

Maintains a sharp edge, but can become dull faster than other materials.

2,Durability:

Offers a good balance of hardness and toughness.

Moderately resistant to wear and chipping, but not as long-lasting as some specialized materials.

3,Alloy Steel:

Cutting Performance:

Enhanced hardness and wear resistance compared to high-carbon steel.

Able to maintain sharpness for longer periods, especially when cutting abrasive materials.

4,Durability:

Excellent resistance to wear, chipping, and breaking.

Can withstand high-stress cutting applications for an extended lifespan.

Carbide-Tipped:

1,Cutting Performance:

Exceptionally sharp and durable cutting edges.

Ideal for cutting very hard materials like masonry, hardened metals, and ceramics.

2,Durability:

Outstanding resistance to abrasion and wear.

Can last significantly longer than standard steel blades when used for heavy-duty or continuous cutting tasks.

Coated Blades (e.g., TiN, DLC):

1,Cutting Performance:

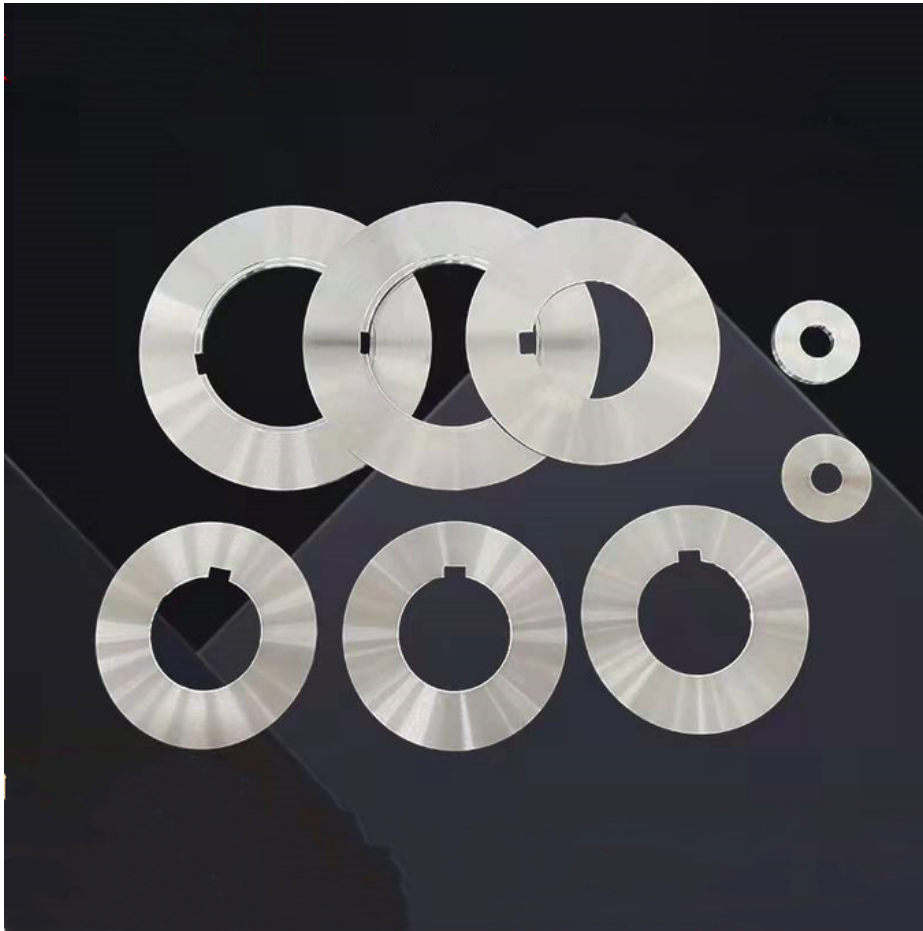
Improved cutting efficiency and reduced friction due to the smooth, low-adhesion coating.

Can enhance the cutting speed and precision.

2, Durability:

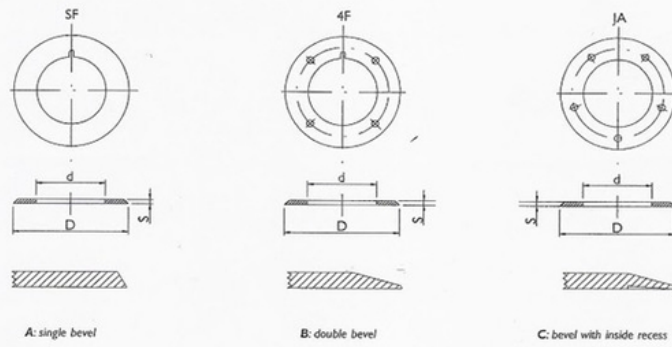
The protective coating helps extend the blade's lifespan by resisting wear and corrosion. Coatings can double or triple the usable life of the blade compared to uncoated versions.

Picture:



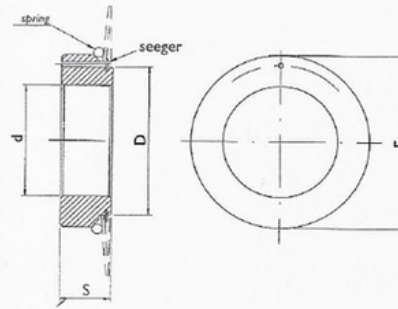
Size:

Circular flat knife

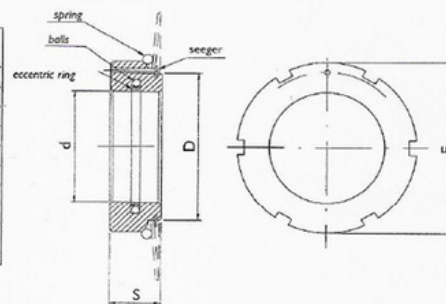


Knife holder

E	D	d	S
54	45	30	10
80	70	45	10
86	75	60	5-8-10-15



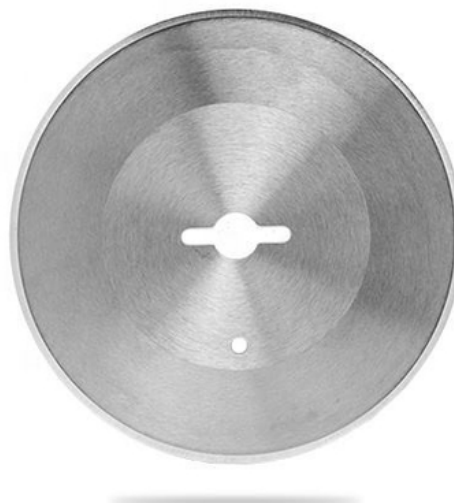
E	D	d	S
49	40	25	10
54	45	30	10-15
60	50	40	10
70	60	35	10
70	60	40	10-15
75	65	45	10-15-20 ¹⁰
80	70	35	15
80	70	45	10
86	75	60	10-15-20 ¹⁰
110	100	80	15 ¹⁰ -20



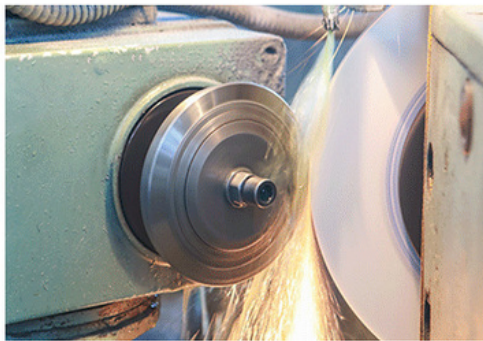
Applications:

Disc blade display

Can be used to cut all kinds of roast meat and vegetables
For you to create more convenient.



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:

Packing & Delivery



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