

China

Seton

HSS

CE ISO

Can be discussed

MoneyGram

1pc/wrapper, 100pcs/box,

500 Piece/Pieces per Day

40mm rotary slitter knives

100boxes/ctn,Wooden and carbon boxes

## 40mm Inner Diameter Round Rotary Cutting Knives For Paper Cardboard Cutting

### **Basic Information**

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: MOQ 10 Pieces
- Price:
- Packaging Details:
- Delivery Time: 30 days L/C, D/A, D/P, T/T, Western Union,
- Payment Terms:
- Supply Ability:

#### **Product Specification**

Product Name:	Round Rotary Cutting Knives
<ul> <li>Material:</li> </ul>	HSS
Precision:	0.01-0.03mm
• Hardness:	HRC 46~65
Outer Diameter:	100mm
Thickness:	0.8mm
<ul> <li>Inner Diameter:</li> </ul>	40mm
<ul> <li>Applicable Industries:</li> </ul>	Manufacturing Plant
Highlight:	round rotary cutting knives, 40mm rotary cutting knives,



**Our Product Introduction** 

#### More Images





#### **Product Description**

#### 40mm Inner Diameter Round Rotary Cutting Knives For Paper Cardboard Cutting

#### **Description:**

#### Here are the key features of circular blades used for paperboard cutting:

1, Material Selection:

High-hardness alloy steels or cemented carbides (e.g., tungsten carbide) are commonly used. The materials need to possess excellent wear resistance, toughness, and cutting performance. 2,Blade Structure:

Flat or wavy blade edge designs are used to suit different paperboard materials.

The blade edges are precisely ground to maintain an ultra-sharp cutting edge.

The central arbor hole is designed for installation on slitting or cutting machines.

3, Dimensional Specifications:

Diameters typically range from 200 to 600 mm, customized based on equipment and application needs. Blade thickness is generally between 2 to 6 mm, as the thickness affects rigidity and cutting performance. 4,Usage Performance:

Exceptional wear resistance and long service life, significantly reducing maintenance costs. High cutting precision, ensuring smooth and clean edges on the paperboard.

Excellent corrosion resistance, suitable for cutting operations in various environmental conditions. 5,Special Designs:

Blade angle and edge geometry can be optimized based on the paperboard material and thickness. Some blades may undergo coating or heat treatment processes to further enhance performance.

#### **Rotary Slitter Blade Specifications:**

Product Name	Round Rotary Cutting Knives
Material	HSS
Precision	0.01-0.03mm
Hardness	HRC 46~65
Outer Diameter	100mm
Thickness	0.7mm
Inner Diameter	40mm
Applicable Industries	Manufacturing Plant

# The blade design and material properties have a significant impact on the cutting precision and edge quality of paperboard. Let's explore this in more detail:

1,Blade Edge Geometry:

The shape and sharpness of the blade edge directly influence the cutting precision.

Flat or wavy edge designs can be optimized based on the paperboard thickness and properties.

A sharper, more precise cutting edge results in cleaner, straighter cuts with minimal burrs or ragged edges. 2,Blade Material Hardness:

The hardness of the blade material, such as high-alloy steels or cemented carbides, affects its wear resistance.

Harder blades retain their sharp cutting edge for longer, ensuring consistent cutting performance over time. Softer blades may dull more quickly, leading to reduced cutting precision and poorer edge quality.

#### 3,Material Toughness:

The toughness of the blade material is crucial for withstanding the stresses during the cutting process.

Tougher blades are less likely to chip, crack, or deform, maintaining their structural integrity and cutting accuracy. Brittle materials may be prone to chipping or breaking, compromising the cutting precision and edge quality. 4,Surface Finish:

The surface finish of the blade, achieved through precision grinding and polishing, impacts the smoothness of the cut. A highly polished, mirror-like surface can minimize friction and adhesion of the paperboard, resulting in cleaner, smoother cuts.

Sough or uneven surfaces may cause undesirable scoring or tearing of the paperboard. 5.Blade Rigidity:

The blade's rigidity, determined by its thickness and material properties, affects its ability to maintain a consistent cutting plane. Rigid blades are less prone to deflection or vibration during the cutting process, ensuring better dimensional accuracy and edge quality.

Flexible or thin blades may vibrate or deform, leading to uneven or ragged cut edges.

#### **Picture:**





roll paper

tobacco

label paper

Packing & Delivery:



No.99 Furong Mid Three Road, Xishan Economic Development Zone. Wixi.