



105*70*1.2Mm HSS Material Industrial Round Slitter Blades Cutting Machine Parts

Our Product Introduction

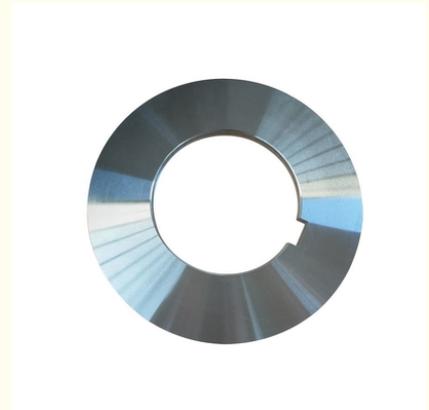
Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: HSS
- 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: Industrial Round Slitting Blade
- Material: HSS
- Hardness: HRC52-60
- Precision: ± 30 Micron
- OD: 105mm
- ID: 70mm
- Thickness: 1.2mm
- Applicable Industries: Manufacturing Plant
- Highlight: **hss paper slitter blades, hss round slitter blades**



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Product Description

105*70*1.2Mm HSS Material Industrial Round Slitting Blade Cutting Machine Parts

Description:

Here are the key material characteristics of HSS (High-Speed Steel) circular industrial blades:

1,Hardness and Wear Resistance:

HSS is known for its exceptional hardness, typically ranging from 60 to 65 HRC (Rockwell C scale). This high hardness provides excellent wear resistance, allowing HSS circular blades to maintain their sharp cutting edge for an extended period.

The high-carbon and high-alloy content of HSS, including elements like tungsten, chromium, and vanadium, contribute to its remarkable hardness.

2,Toughness and Impact Resistance:

HSS circular blades exhibit good toughness and impact resistance, which is crucial for withstanding the high stresses and impacts encountered during high-speed cutting operations.

The alloying elements in HSS, such as cobalt and molybdenum, help to improve the material's toughness and resistance to chipping or fracture.

3,Thermal Stability:

HSS circular blades can maintain their hardness and dimensional stability at elevated temperatures, making them suitable for high-speed cutting applications that generate significant heat.

The thermal-resistant properties of HSS are attributed to its specific alloying composition and heat treatment processes.

4,Versatility:

HSS is a versatile material that can be used for a wide range of circular blade applications, from metal cutting to paper and fabric processing.

The material's combination of hardness, toughness, and thermal stability allows HSS circular blades to perform effectively in various industrial settings.

5,Cost-Effectiveness:

Compared to other high-performance blade materials, such as carbide-based alloys, HSS is generally more cost-effective.

This makes HSS a popular choice for industrial applications where cost-efficiency is an important factor, while still providing reliable cutting performance.

Industrial Blade Specifications:

Product name	Industrial Round Slitting Blade
Material	HSS
Hardness	HRC 52~60
Precision	±30 Micron
Length	105mm
Width	70mm
Thickness	1.2mm
Applicable Industries	Manufacturing Plant

The application of HSS (High-Speed Steel) circular blades can vary across different industries due to the specific requirements and operating conditions of each sector. Here are some key differences in the application of HSS circular blades in various industries:

1,Metal Fabrication:

In metal fabrication industries, such as sheet metal cutting, HSS circular blades are prized for their high hardness and wear resistance.

The ability to maintain a sharp edge is crucial for achieving clean, precise cuts through thick metal sheets and plates.

HSS circular blades are often used in high-speed rotary shears and slitting machines.

2,Paper and Packaging:

For paper, cardboard, and packaging applications, HSS circular blades need to balance hardness with a certain level of flexibility and impact resistance.

This is to handle the variable thickness and density of paper-based materials without chipping or cracking the blade edges.

HSS circular blades are commonly used in slitters, sheers, and guillotine cutters for paper, corrugated board, and other packaging materials.

3,Textile and Fabric:

In the textile and fabric industry, HSS circular blades must have the right combination of hardness and edge sharpness to cleanly cut through various types of fabrics, from delicate to heavy-duty.

The blades need to withstand repeated impacts and maintain their cutting performance during high-speed operations.

HSS circular blades are often used in fabric-cutting machines, garment production, and upholstery manufacturing.

4,Food Processing:

For food processing applications, such as meat slicing or vegetable cutting, HSS circular blades need to be corrosion-resistant and easy to clean.

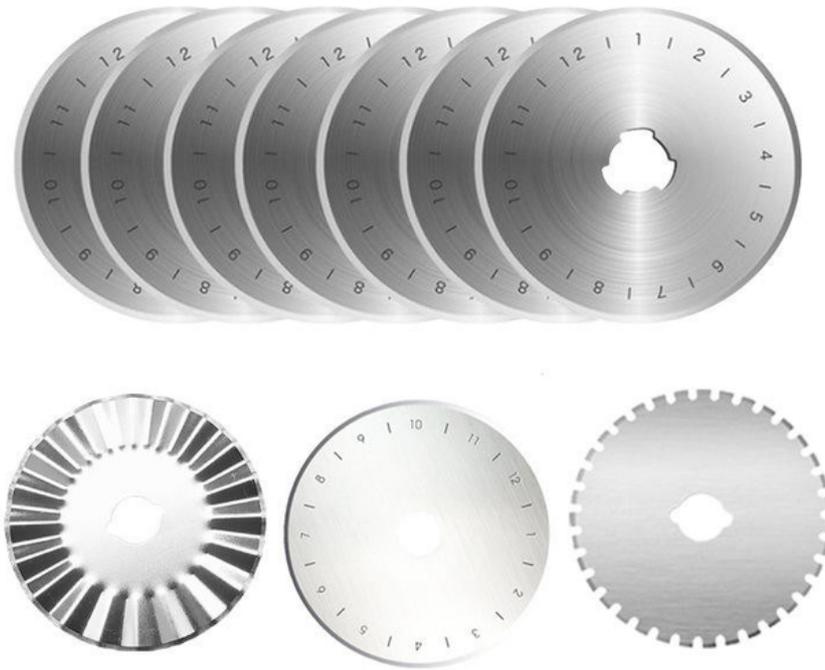
The blades may also require specialized coatings or surface treatments to prevent food contamination and maintain optimal sanitation.

HSS circular blades are commonly used in commercial food slicers, meat processing equipment, and vegetable cutting machinery.

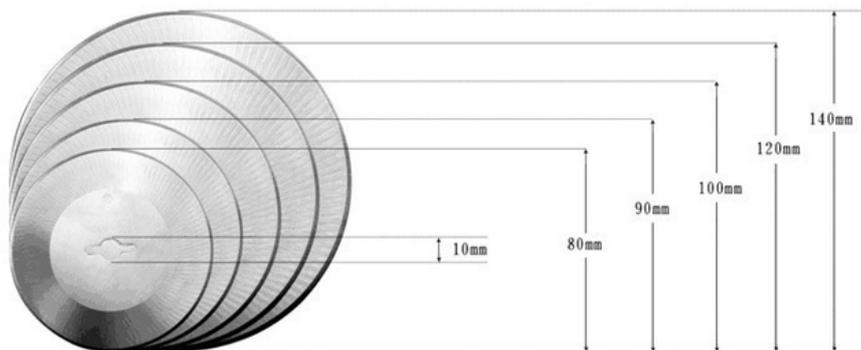
5,Composite and Specialty Materials:

In industries working with composite materials, advanced ceramics, or other specialized materials, HSS circular blades may need to be optimized for specific cutting requirements. The blade material composition and geometry may be tailored to handle the unique properties and abrasiveness of these specialized materials.

Picture:



Size:



OD(mm)	80	90	100	120	140
ID(mm)	10	10	10	10	10
Thickness(mm)	1.6	1.6	1.6	1.6	1.6

OD(mm)	80	90	100	120	140
ID(mm)	13	13	13	13	13
Thickness(mm)	1.6	1.6	1.6	1.6	1.6

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:



shipping

