HSS Special Shaped Knife Industrial Blades For Laminating Machine

Our Product Introduction

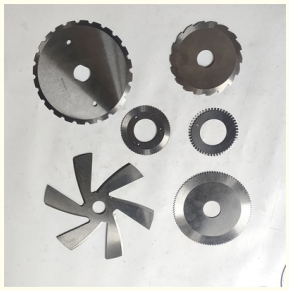
Basic Information

- 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: Special-Shaped Knife Industrial Blades
- Material: HSS
- Hardness: HRC46-78
- Precision: ±50 Micron
- Cylindrical: 190mm
- Width: 20mm
- Thickness: 2.5mm
- Applicable Industries: Manufacturing Plant
- Highlight: **hss industrial blades**, **hss round cutting blade**, **special shaped industrial blades**

More Images



Our Product Introduction

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Product Description

Ceramic Industrial Round Blades For Cutting Fabric 250mm

Description:

Industrial slit saw blades can come in a variety of non-standard or "irregular" shapes to accommodate specific metal fabrication requirements. Some of the key shape features of these asymmetric or irregular slit saw blades include:

1,Curved Profiles:
Slit saw blades with curved or contoured shapes are designed to facilitate the cutting of pipes, tubes, and other cylindrical metal components.
The curved blade edge allows for precise and smooth cutting along the circumference of the workpiece.
2,Tapered Blades:
Some slit saw blades feature a tapered or angled cutting edge, rather than a flat edge.
This tapered design is useful for making angled or bevel cuts on metal parts, such as in the fabrication of metal frames, furniture, and machinery components.
3,Segmented or Slotted Blades:
Slit saw blades can be segmented or slotted, with multiple discrete cutting edges along the circumference.
This configuration is beneficial for cutting intricate profiles or patterns in metal sheets and plates, as the segmented edges can navigate tight corners and complex shapes.
4,Stepped or Multi-Tiered Blades:
Certain slit saw blades are designed with stepped or multi-tiered cutting edges, allowing them to make multiple cuts or grooves in a single pass.
This can enhance productivity and precision in applications like metal strip or sheet slitting, where multiple parallel cuts are required.
5,Specialized Tooth Geometries:
The tooth design and profile of the slit saw blade can be customized to optimize cutting performance for specific metal types and thicknesses.
This may include features like alternating tooth patterns, variable tooth heights, or specialized rake and clearance angles.

These irregular or asymmetric slit saw blade shapes enable metal fabricators to tackle a wider range of cutting tasks, improve the quality of the finished products, and enhance the overall efficiency of their metal processing operations.

The selection of the appropriate slit saw blade shape is typically driven by the specific requirements of the metal fabrication process, the characteristics of the workpiece, and the desired cutting outcomes.

Industrial Blade Specifications:

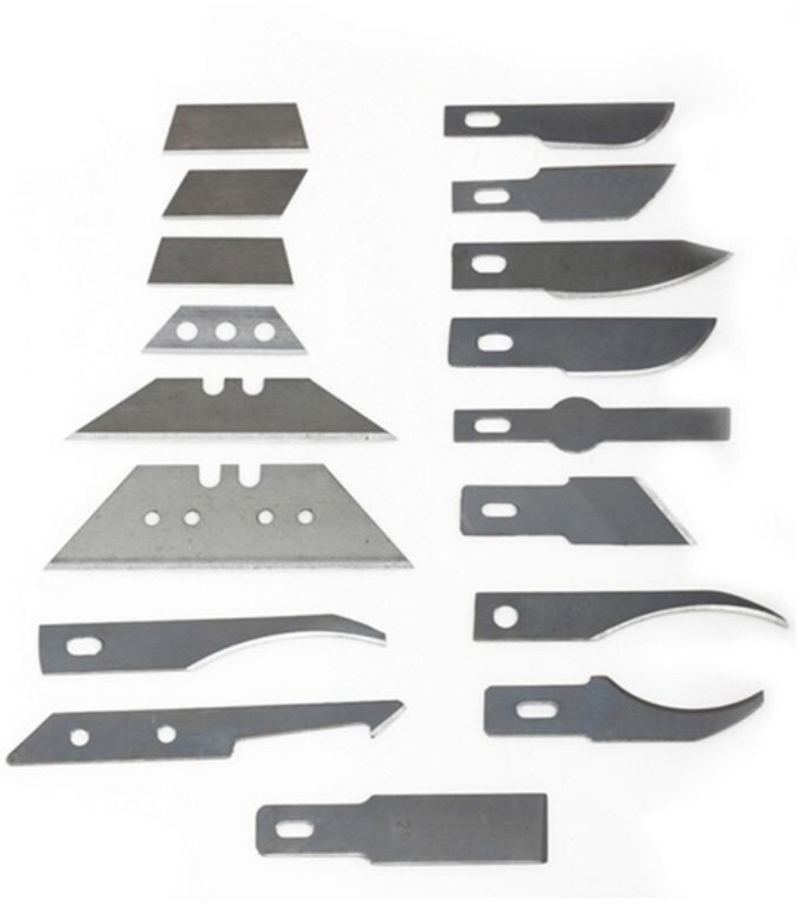
Product name	Special-Shaped Knife Industrial Blades
Material	HSS
Hardness	HRC46-78
Precision	±50 Micron
Length	190mm
Width	20mm
Thickness	2.5mm
Applicable Industries	Manufacturing Plant

The manufacturing process of irregular or asymmetric industrial slit saw blades has several unique characteristics, which are tailored to address the specific requirements of these specialized cutting tools:

1,Customized Blade Geometry:
The design and geometry of the irregular slit saw blades are often customized based on the end-use application.
This may involve the use of advanced computer-aided design (CAD) and modeling software to precisely define the blade profile, tooth pattern, and other shape features.
2,Specialized Cutting and Grinding:
The manufacturing of irregular slit saw blades typically involves the use of specialized cutting and grinding equipment, such as CNC (Computer Numerical Control) machines and specialized grinding tools.
These advanced manufacturing techniques allow for the precise shaping and sharpening of the complex blade geometries.
3,Material Selection and Heat Treatment:
The selection of the appropriate tool steel or other high-performance alloy is critical for the manufacturing of irregular slit saw blades.
Careful heat treatment processes, such as tempering and cryogenic treatment, are often employed to optimize the blade's hardness, toughness, and wear resistance.
4,Tight Dimensional Tolerances:
Irregular slit saw blades require strict dimensional control and tight tolerances to ensure consistent cutting performance and minimize deviations in the final product.
Advanced metrology and inspection techniques are utilized throughout the manufacturing process to maintain the required dimensional accuracy.
5,Specialized Coatings and Treatments:

To enhance the performance and lifespan of irregular slit saw blades, specialized surface coatings or treatments may be applied.
These can include hard, wear-resistant coatings, as well as low-friction or anti-galling surface treatments.
6,Rigorous Quality Control:
Due to the complexity of the irregular slit saw blade designs, the manufacturing process often involves extensive quality control measures, including dimensional checks, edge inspection, and functional testing.
This ensures the blades meet or exceed the specified performance requirements before being released for use in metal fabrication applications.

Picture:



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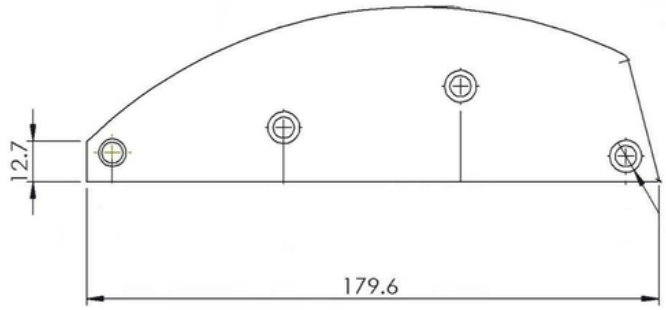
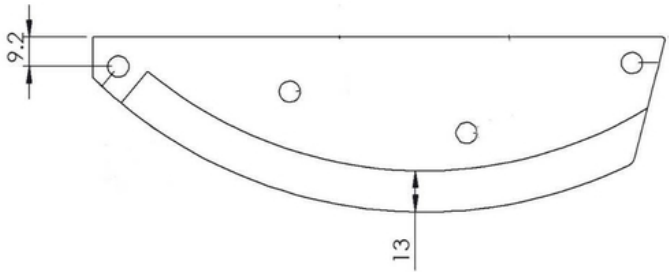
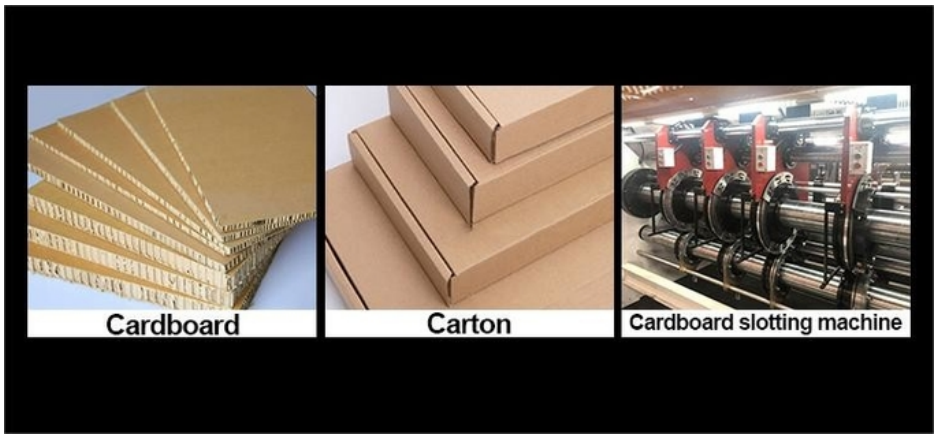




Applications:



Packing:

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