Cr12MoV Arc Shaped Industrial Knife Blade For The Corrugated Cardboard

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: Cr12MoV
- 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: Arc-Shaped Industrial Knife Blade
- Material: Cr12MoV
- Hardness: HRC55-70
- Precision: ±50 Micron
- Cylindrical: 108mm
- Hole: 47mm
- Thickness: 7mm
- Applicable Industries: Manufacturing Plant
- Highlight: **cr12mov cutter knife blade**, **cr12mov industrial knife blade**, **arc cutter knife blade**

More Images

Our Product Introduction

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Product Description

Cr12MoV Arc-Shaped Industrial Knife Blade For The Corrugated Cardboard

Description:

Curved industrial slit saw blades possess several distinctive features:

1,Curved Blade Edge:
The blade features a curved, rather than straight, cutting edge.
This curvature maintains a constant cutting depth throughout the cut.
The curved design better adapts to the contours of the workpiece, improving cutting precision.
2,Deep Cutting Capability:
The curved blade can achieve a relatively large cutting depth in a single pass, enhancing cutting efficiency.
This makes them suitable for cutting thicker materials like wood and plastics.
3,Self-Guiding:
Curved blades automatically follow a pre-set curved path during the cutting process.
This self-guiding ability provides more stable and accurate operation.
4,Low Vibration:
The smooth curved motion of the blade generates significantly less vibration compared to straight blades.
This results in improved surface quality of the cut workpiece.
5,Wear Resistance:
The robust curved blade structure distributes the cutting forces more evenly, improving wear resistance.
This extends the service life of the blade.
6,Diverse Applications:
Curved industrial slit saw blades are widely used in furniture manufacturing, woodworking, pipe cutting, and other industries.
They excel in applications requiring high precision and high-efficiency cutting.

Industrial Blade Specifications:

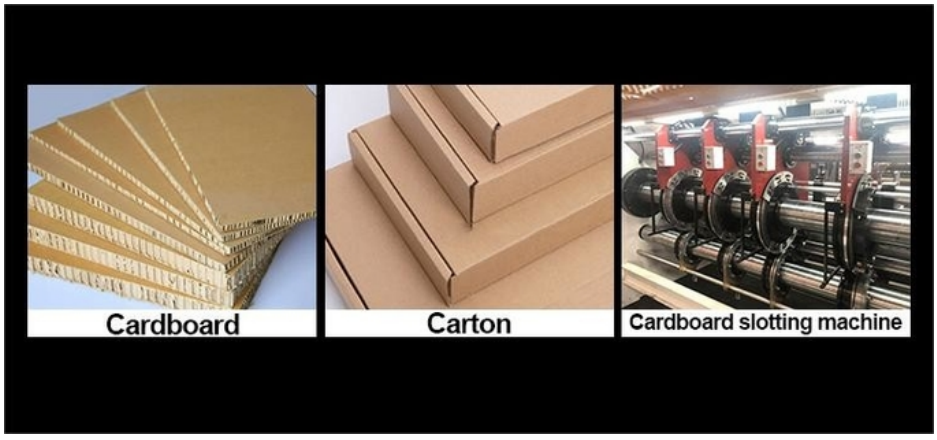
Product name	Arc-Shaped Industrial Knife Blade
Material	Cr12MoV
Hardness	HRC55-70
Precision	±50 Micron
Length	108mm
Width	47mm
Thickness	7mm
Applicable Industries	Manufacturing Plant

When selecting the appropriate size and material for curved industrial slit saw blades, there are several key factors to consider:

1,Blade Diameter:
The blade diameter should be matched to the power of the cutting tool and the size of the workpiece.
Larger diameters provide greater cutting capacity but also increase centrifugal forces and vibration.
The optimal diameter balances cutting ability, stability, and mechanical strength.
2,Blade Thickness:
Thinner blades can reduce chip size and lower wear, but excessively thin blades risk deformation or breakage.
The thickness must be chosen to provide sufficient rigidity while minimizing weight.
3,Arbor Hole Size:
The arbor hole diameter must precisely fit the spindle of the cutting tool to ensure stable installation and dynamic balancing.
Too large a hole compromises blade strength, while too small a hole makes installation difficult.
4,Blade Material:
Tungsten carbide tipped (TCT) blades provide excellent hardness and wear resistance.
High-speed steel (HSS) blades offer good toughness and chip clearance.
The material selection depends on the workpiece hardness, cutting speed, and required service life.
5,Tooth Geometry:
Tooth shape, size, and profile impact cutting efficiency, vibration, and surface finish.
Optimize the tooth design for the specific application requirements.
6,Blade Coatings:
Anti-friction coatings can improve chip evacuation and reduce heat buildup.
Specialized coatings may also enhance corrosion resistance or cutting precision.

Picture:

Applications:



Packing:

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