

## 230mm High Speed Steel Industrial Circular Cutting Knives For Concrete Cutting

### **Basic Information**

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
- Packaging Details:
- Payment Terms:
- Supply Ability:

### High Speed Steel MOQ 10 Pieces

China

Seton

CE ISO

30 days

MoneyGram

1pc/wrapper, 100pcs/box,

500 Piece/Pieces per Day

steel rotary cutting knives

100boxes/ctn,Wooden and carbon boxes

L/C, D/A, D/P, T/T, Western Union,

- Can be discussed

- Delivery Time:

### **Product Specification**

• Product Name: Industrial Circular Cut Blade High Speed Steel Material: HRC52-72 Hardness: • Precision: ±50 Micron 230mm • Length: • Width: 40mm • Thickness: 2.5mm • Applicable Industries: Manufacturing Plant • Highlight: 230mm rotary cutting knives, 230mm circular cutting knives,



### More Images





### **Product Description**

### 230mm High Speed Steel Industrial Circular Cut Blade For Concrete Cutting

### **Description:**

# Ensuring the proper balancing of industrial circular blades is crucial for their safe and efficient operation. Here are the key steps to maintain the balance of these blades:

1, Dynamic Balancing:

Circular blades should undergo dynamic balancing, which involves spinning the blade at its operating speed and measuring any imbalances.

This process is typically performed by the blade manufacturer or a specialized balancing service.

Dynamic balancing ensures the blade is precisely balanced for vibration-free performance.

2,Blade Mounting:

The circular blade must be mounted securely and accurately on the machine's spindle or shaft.

Proper alignment and tightening of the blade mounting hardware are essential to maintain the blade's balanced state.

- Any looseness or misalignment in the mounting can compromise the blade's balance.
- 3, Periodic Re-Balancing:

Over time, the blade's balance can be affected by factors such as wear, material accumulation, or deformation. Regular re-balancing, typically on a recommended schedule or after blade sharpening, helps maintain the optimal balance condition.

This may involve either on-site dynamic balancing or returning the blade to the manufacturer for professional rebalancing. 4, Vibration Monitoring:

Incorporating vibration monitoring sensors in the machine can help detect any imbalance issues.

Vibration levels should be regularly checked and compared to the manufacturer's specifications.

Increased vibrations may indicate the need for blade rebalancing or replacement.

5,Blade Inspection:

Visually inspect the circular blade for any signs of damage, deformation, or uneven wear.

These issues can affect the blade's balance and should be addressed promptly.

Replacement of severely worn or damaged blades may be necessary to maintain the required balance. 6.Operator Training:

Educate machine operators on the importance of proper blade handling, mounting, and monitoring.

Operators should be trained to recognize the signs of blade imbalance and report any issues to the maintenance team.

### **Industrial Blade Specifications:**

Product name	Industrial Circular Cut Blade
Material	High Speed Steel
Hardness	HRC52-72
Precision	±50 Micron
Length	230mm
Width	40mm
Thickness	2.5mm
Applicable Industries	Manufacturing Plant

# To maximize the service life of industrial circular blades, there are several key considerations and best practices that should be followed:

1, Proper Blade Selection:

Choose the right blade material, tooth design, and blade diameter to match the specific cutting requirements of the application.

Selecting the appropriate blade characteristics can significantly improve its durability and lifespan.

2,Blade Sharpening:

Regularly sharpen the blades to maintain their cutting edge. Dull blades require more force and generate more heat, leading to accelerated wear.

Utilize professional blade sharpening services or in-house sharpening equipment to ensure the blades are consistently kept at an optimal sharpness level.

3,Blade Cooling:

Implement effective blade cooling systems, such as coolant or air-based cooling, to prevent overheating during high-speed cutting operations.

Excessive heat buildup can cause premature blade wear, edge deformation, and even catastrophic failure. 4, Proper Blade Mounting:

Ensure the circular blades are mounted securely and accurately on the machine's spindle or shaft.

Improper mounting can lead to blade imbalance, vibrations, and uneven wear, reducing the blade's lifespan. 5, Vibration Monitoring:

Regularly monitor the blade's vibration levels and address any excessive vibrations promptly.

Vibrations can cause accelerated wear, fatigue, and potential blade breakage.

6, Preventive Maintenance:

Establish a comprehensive preventive maintenance program for the circular blades.

This includes regular inspections, cleaning, balancing checks, and proactive replacement of worn components. 7,Operator Training:

Provide thorough training to machine operators on proper blade handling, operation, and maintenance procedures. Educate operators on the factors that can impact blade life, such as feed rates, cutting speeds, and material compatibility. 8,Storage and Handling:

Ensure proper storage and handling of the circular blades to prevent physical damage, corrosion, or contamination. Damaged or contaminated blades are more prone to premature wear and failure.

### 9,Blade Replacement:

Replace the circular blades when they can no longer be effectively sharpened or when the wear exceeds the manufacturer's recommended limits.

Continuing to use worn blades can compromise product quality and safety.

### **Picture:**



### Size:



### **Applications:**



### Packing:



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