

High Speed Stainless Steel Material Steel Fan Blades Highly Resistant

Basic Information

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

• Highlight:

CE ISO High Speed Stainless Steel

China

Seton

30 days

MoneyGram

1pc/wrapper, 100pcs/box,

500 Piece/Pieces per Day

100boxes/ctn,Wooden and carbon boxes

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

- MOQ 10 Pieces Can be discussed

- Supply Ability:

Product Specification

 Product Name: 	Steel Fan Blades
• Material:	High Speed Stainless Steel
• Hardness:	HRC54-66
Precision:	±25Micron
Length:	138.6mm
• ID:	82.5mm
 Thickness: 	4.8mm
 Applicable Industries: 	Manufacturing Plant

High Speed Steel Fan Blades, Stainless Steel Material Steel Fan Blades, **Highly Resistant Steel Fan Blades**



High Speed Stainless Steel Material Steel Fan Blades Highly Resistant

Description:

Overview of High-Speed Stainless Steel Industrial Blades

1. Definition

High-speed stainless steel industrial blades are cutting tools designed for efficient machining and cutting applications, made from high-speed steel (HSS) combined with stainless steel properties.

2. Material Characteristics

High-Speed Steel (HSS): Composed of alloying elements such as tungsten, molybdenum, and chromium, providing exceptional hardness and wear resistance.

Stainless Steel Properties: Offers corrosion resistance, making these blades suitable for various environments, particularly in food processing and other industries where hygiene is critical.

3. Properties

Hardness: Maintains hardness at elevated temperatures, allowing for high-speed cutting without losing performance. Wear Resistance: Designed to withstand abrasion, ensuring longevity and reducing the need for frequent replacements. Toughness: Provides a balance between hardness and toughness, allowing the blade to absorb shock without chipping. 4. Applications

Metal Cutting: Widely used in machining processes for cutting metals, including steel and aluminum. Woodworking: Employed in saws and router bits for cutting various wood types.

Food Processing: Suitable for slicing meat, poultry, and other food products due to its hygienic properties. 5. Advantages

Efficiency: High-speed capabilities allow for faster cutting speeds, improving productivity in industrial applications. Versatility: Can be used in a variety of cutting tasks across different materials.

Precision: Provides clean, accurate cuts, enhancing the quality of the finished product.

6. Maintenance

Regular cleaning and proper storage are crucial to maintaining blade performance. Periodic sharpening may be necessary to keep the edges sharp.

7. Safety Considerations

Always use personal protective equipment (PPE) and follow safety protocols when operating machinery with high-speed stainless steel blades.

Industrial Blade Specifications:

Product name	Steel Fan Blades
Material	High Speed Stainless Steel
Hardness	HRC54-66
Precision	±25 Micron
Length	138.6mm
ID	82.5mm
Thickness	4.8mm
Applicable Industries	Manufacturing Plant

Here are the best practices for sharpening high-speed stainless steel blades:

1. Use the Right Tools

Sharpening Stones: Use high-quality sharpening stones (whetstones) with appropriate grit levels for metal.

Diamond Files: Consider using diamond files for precision sharpening, especially for intricate blade designs. Professional Sharpeners: For complex blades, using a professional sharpening service may be beneficial.

2. Maintain the Correct Angle

Consistent Angle: Sharpen the blade at the manufacturer-recommended angle, usually between 15 to 30 degrees, depending on the blade type.

Guides: Use angle guides or jigs if available to maintain consistency.

3. Clean the Blade

Remove Residues: Before sharpening, clean the blade to remove any dirt, oil, or debris that could interfere with the sharpening process.

4. Sharpen Evenly

Alternating Sides: Sharpen each side of the blade evenly to maintain balance and avoid creating a crooked edge. Light Pressure: Use light, consistent pressure while sharpening to avoid removing too much material. 5. Check for Burrs

Inspect the Edge: After sharpening, check for burrs (small raised edges) along the blade. Remove these with a finer sharpening stone or honing.

6. Honing After Sharpening

Use a Honing Rod: After sharpening, use a honing rod to realign the edge, ensuring a smoother finish and better cutting performance.

7. Test the Sharpness

Paper Test: Conduct a paper test by slicing through a piece of paper. A sharp blade should cut cleanly without tearing. Visual Inspection: Look for uniformity along the edge; any irregularities may indicate the need for further sharpening. 8. Regular Maintenance

Frequency: Regularly sharpen blades based on usage to maintain optimal sharpness and performance. Storage: Store blades properly in protective sheaths or cases to prevent dulling and damage.





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