



## High Speed Steel Sharpen Shredder Blades For Plastic Granulator Machine 46mm

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: High-Speed Steel
- 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: Sharpen Shredder Blades
- Material: High-Speed Steel
- Length: 46mm
- Width: 28mm
- Thickness: 4mm
- Hardness: HRC 65 - 68
- Precision:  $\pm 0.02-0.05\text{mm}$
- Application: All Kind Of Plastic
- Highlight: **Steel shredder blades for plastic, Granulator Machine shredder blades, plastic shredder blades 46mm**



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## Product Description

### High-Speed Steel Sharpen Shredder Blades For Granulator Machine

#### Description:

**Proper maintenance and care of granulator blades are essential for ensuring their optimal performance and longevity. Here are some key considerations for the maintenance and upkeep of granulator blades:**

**1, Blade Inspection:**

Regularly inspect the granulator blades for signs of wear, chipping, or damage, such as dulling of the cutting edges or changes in the blade geometry.

This can be done during routine maintenance or when the granulator is shut down for cleaning or other servicing.

**2, Blade Sharpening:**

Over time, the granulator blades will become dull due to the abrasive nature of the grinding process.

Periodically sharpen the blades using a specialized grinding or sharpening service to restore their cutting efficiency and performance.

The frequency of blade sharpening will depend on factors like the feed material, operating conditions, and the blade material.

**3, Blade Replacement:**

When the blades can no longer be effectively sharpened or have reached the end of their usable life, they should be replaced with new, high-quality granulator blades.

Replacing worn or damaged blades helps maintain the granulator's size reduction capabilities and ensures consistent product quality.

Keep a spare set of blades on hand to minimize downtime during replacement.

**4, Blade Cleaning and Decontamination:**

Clean the granulator blades regularly to remove any built-up material, deposits, or contaminants that can affect their performance.

For applications involving food, pharmaceuticals, or other regulated industries, the blades may need to be decontaminated or sanitized according to the relevant standards.

**5, Blade Storage and Handling:**

When not in use, store the granulator blades in a clean, dry environment to prevent corrosion or damage.

Handle the blades with care to avoid nicks, scratches, or other damage that can compromise their cutting ability.

**6, Documentation and Record-Keeping:**

Maintain detailed records of the granulator blade maintenance, including the inspection, sharpening, and replacement history.

This documentation can help optimize the blade maintenance schedule and justify any necessary investments in new blades or grinding services.

#### Granulator Blade Specifications:

Product Name:	Sharpen Shredder Blades
Material	High-Speed Steel
Length	46mm
Width	28mm
Thickness	4mm
Hardness	HRC 65 - 68
Precision	±0.02-0.04mm
Application	All kind of plastic

**When dealing with granulator blades, there are several special considerations and precautions that should be taken into account:**

**1, Material Compatibility:**

Ensure the granulator blades are compatible with the feed material being processed, especially for sensitive applications like food, pharmaceuticals, or hazardous materials.

Incompatible blade materials can lead to contamination, reduced performance, or even safety issues.

**2, Blade Geometry and Clearances:**

Pay close attention to the blade geometry, including the cutting edge design, angle, and profile, as these factors can significantly impact the size reduction efficiency and particle size distribution.

Maintain the proper clearances between the blades and the granulator housing to prevent interference, clogging, or excessive wear.

**3, Blade Balancing and Vibration:**

Ensure the granulator blades are properly balanced to minimize vibrations during operation, as excessive vibrations can lead to premature wear, damage, or safety concerns.

Regularly check the blade balance and make any necessary adjustments to maintain optimal running conditions.

**4, Temperature and Thermal Management:**

In some applications, the granulation process can generate significant heat, which can affect the blade materials and performance.

Monitor the blade temperature and implement cooling strategies, if necessary, to prevent thermal damage or warping of the blades.

**5, Abrasive Wear and Corrosion:**

Granulator blades often operate in challenging environments with abrasive feed materials, which can accelerate wear and corrosion.

Select blade materials and coatings that are resistant to the specific wear and corrosion mechanisms present in the application.

**6, Safety and Handling:**

Granulator blades can be hazardous, with sharp cutting edges and high-speed operation, so exercise extreme caution when handling, installing, or maintaining them. Implement appropriate safety protocols, personal protective equipment, and blade guarding mechanisms to minimize the risk of injury.

#### 7, Maintenance and Replacement Scheduling:

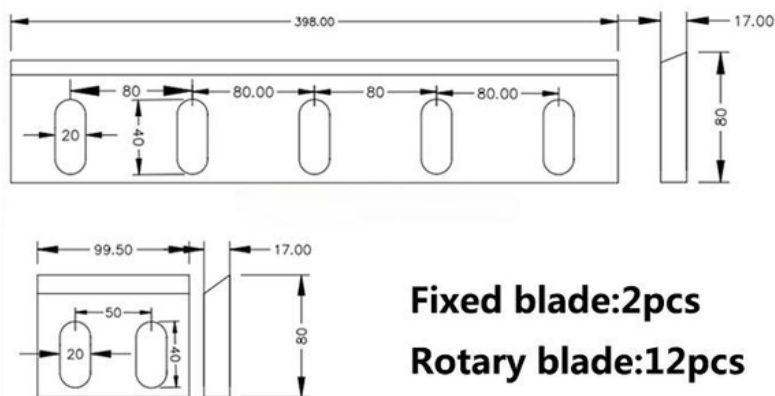
Develop a comprehensive maintenance plan that includes regular inspection, sharpening, and replacement of the granulator blades.

Factors like operating hours, feed material changes, and performance degradation should be considered when determining the optimal blade maintenance schedule.

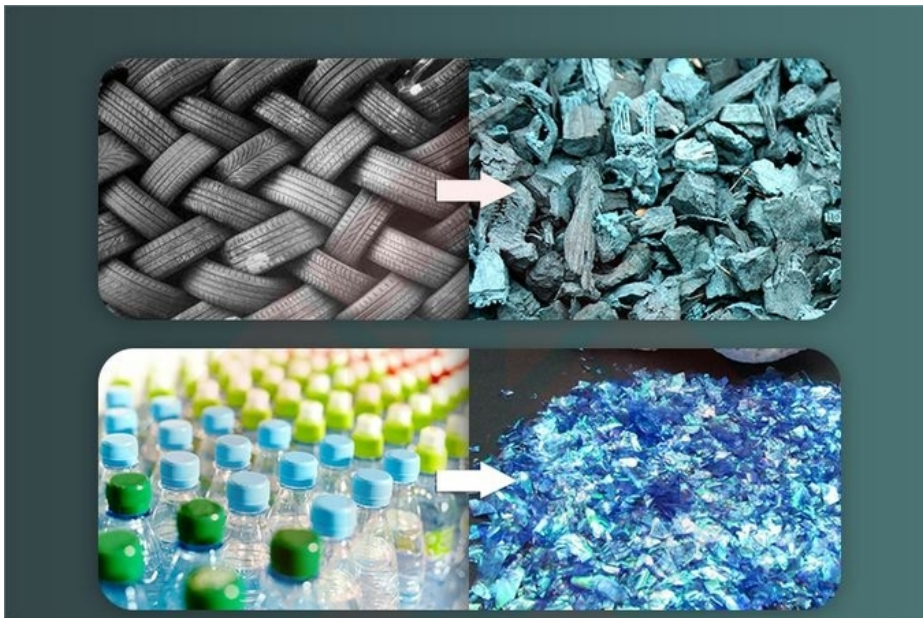
#### Picture:



#### Size:



#### Applications:



### Packing & Delivery:



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