



## Tungsten Carbide Cutting Rolling Pelletizer Blades For Plastic Shredder Machine

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: Tungsten Carbide
- 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: Pelletizer Cutting Blade
- Material: Tungsten Carbide
- OD: 600mm
- ID: 450mm
- Length: 600mm
- Hardness: HRC 54-66
- Voltage: 220
- Applicable Industries: Plastics Factory, Chemical Factory, Timber Factory
- Highlight: rolling pelletizer blades, cutting pelletizer knife, cutting pelletizer blades



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## Product Description

### Tungsten Carbide Pelletizer Cutting Blade For Plastic Shredder Machine

#### Description:

##### Some key factors related to the size and dimensions of pelletizer blades include:

###### 1, Blade Diameter:

The blade diameter is typically determined by the size of the pelletizer chamber and the desired pellet size. Common pelletizer blade diameters range from around 6 inches (150 mm) to 30 inches (750 mm) or more, depending on the scale of the equipment.

###### 2, Blade Thickness:

The blade thickness is influenced by the required strength, rigidity, and wear resistance of the blades. Typical blade thicknesses range from 1/8 inch (3 mm) to 1/2 inch (12 mm) or more, depending on the application.

###### 3, Blade Length:

The blade length is determined by the pelletizer chamber size and the desired coverage area for the material being processed. Blade lengths can range from a few inches (50-100 mm) up to 20 inches (500 mm) or more for large-scale industrial pelletizers.

###### 4, Cutting Edge Angle:

The angle of the blade's cutting edge is crucial for efficient material cutting and shaping. Typical cutting edge angles range from 15 to 30 degrees, with the specific angle optimized for the material being processed.

###### 5, Number of Blades:

The number of blades installed in a pelletizer can vary, typically ranging from 4 to 12 blades or more, depending on the pelletizer size and design.

###### 6, Blade Material:

The blade material is selected based on factors like hardness, wear resistance, and corrosion resistance required for the specific application. Common blade materials include tool steel, tungsten carbide, ceramic composites, and specialized alloys.

#### Pelletizer Blades Specifications:

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Voltage	220
Applicable Industries	Plastics factory, chemical factory, timber factory

#### The blade specifications for pelletizers used in the plastics industry versus the biomass industry can differ in the following ways:

##### Plastics Industry:

###### 1, Blade Diameter and Length:

Plastic pelletizer blades tend to be larger in diameter, often ranging from 12 to 24 inches (300 to 600 mm), to handle the higher throughput required for plastic materials.

The blade length is also typically longer, around 10 to 16 inches (250 to 400 mm), to provide better coverage and cutting performance.

###### 2, Blade Thickness:

Plastic pelletizer blades are often thicker, around 1/4 to 1/2 inch (6 to 12 mm), to provide the necessary strength and rigidity to withstand the higher processing forces involved.

###### 3, Cutting Edge Angle:

The cutting edge angle for plastic pelletizer blades is typically steeper, around 20 to 30 degrees, to ensure efficient cutting and shearing of the tough plastic materials.

###### 4, Blade Material:

Plastic pelletizer blades often use specialized tool steels or tungsten carbide to provide high hardness, wear resistance, and edge retention required for the abrasive nature of plastic materials.

##### Biomass Industry:

###### 1, Blade Diameter and Length:

Biomass pelletizer blades tend to be smaller in diameter, typically ranging from 6 to 12 inches (150 to 300 mm), as the throughput requirements are generally lower compared to plastics.

The blade length is also shorter, around 6 to 10 inches (150 to 250 mm), as the biomass materials are less dense and require less cutting force.

###### 2, Blade Thickness:

Biomass pelletizer blades are often thinner, around 1/8 to 1/4 inch (3 to 6 mm), as the processing forces are lower compared to plastics.

###### 3, Cutting Edge Angle:

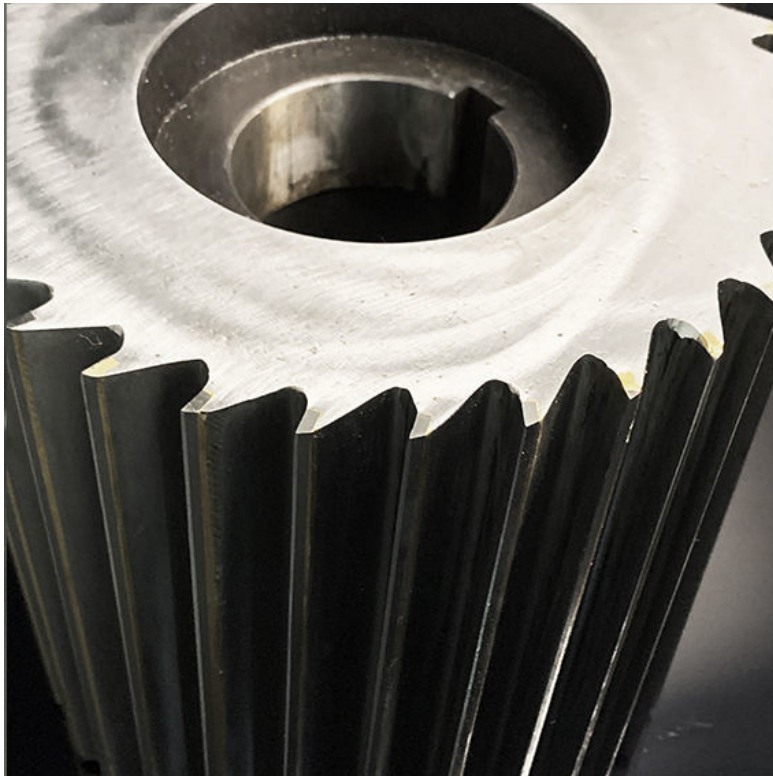
The cutting edge angle for biomass pelletizer blades is typically shallower, around 15 to 20 degrees, to provide a more gentle cutting action suitable for the fibrous and less abrasive nature of biomass materials.

###### 4, Blade Material:

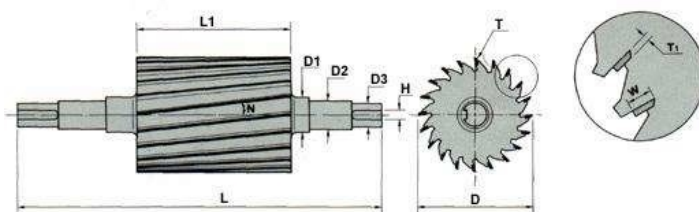
Biomass pelletizer blades may use a wider range of materials, including tool steels, specialized alloys, and even ceramic

composites, depending on the specific biomass feedstock and its abrasiveness.

**Picture:**



**Size:**



**Packing & Delivery:**



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