



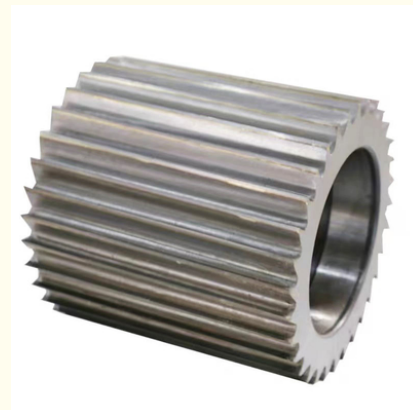
Cr12MoV 1600x1800x1500mm Pelletizer Blades For Plastic Granule Cutter

Our Product Introduction

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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

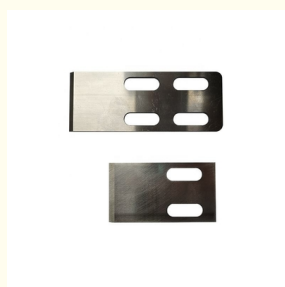


Product Specification

- Product Name: Plastic Crusher Blades
- Material: Cr12MoV
- Voltage: 220
- Length: 1600mm
- Width: 1800mm
- Height: 1500mm
- Hardness: 48-68 HRC
- Sharpness: 18N-30N
- Highlight: cr12mov pelletizer knife, cr12mov pelletizer blades, plastic pelletizer knife



More Images



Product Description

Cr12MoV 1600x1800x1500mm Pelletizer Blades For Plastic Granule Cutter

Description:

Pellet mill knives, also known as pellet die knives or pellet mill blades, are an essential component of pellet mills or pellet machines used in various industries. The primary purpose of these specialized knives is to facilitate the pelletization process. Let's dive deeper into the key uses of pellet mill knives:

Biomass Pelletization:

In the production of biomass pellets from materials like wood, agricultural residues, or energy crops, pellet mill knives are responsible for cutting and shredding the raw feedstock into smaller, more uniform pieces.

This size reduction is a crucial step in preparing the material for the pelletization process, where the compacted pellets are formed.

Animal Feed Pelletization:

Pellet mill knives are utilized in the manufacture of animal feed pellets, which are commonly used in the livestock and poultry industries.

The knives help to break down and shred the various ingredients, such as grains, proteins, and additives, into a consistent particle size before the pelletizing stage.

Pharmaceutical Pelletization:

In the pharmaceutical industry, pellet mill knives are employed in the production of drug pellets or granules, which can be used for controlled-release formulations or as an intermediate step in the manufacturing of tablets or capsules.

The knives ensure the proper size and shape of the pharmaceutical pellets, which is essential for consistent drug delivery and performance.

Fertilizer Pelletization:

Pellet mill knives are also utilized in the production of granular or pelleted fertilizers, where they help to break down and size the raw materials, such as minerals, organic compounds, and nutrient-rich substances.

The uniform pellet size achieved through the use of these knives enhances the even distribution and application of the fertilizer.

Material Conditioning:

Beyond pelletization, pellet mill knives can be used to condition and prepare various raw materials, such as grains, minerals, or powders, for further processing or packaging.

The size reduction and homogenization capabilities of the knives help to improve the handling, storage, and downstream processing of these materials.

Pelletizer Blades Specifications:

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Voltage	220
Length	1600mm
Width	1800mm
Height	1500mm
Hardness	48-68 HRC
Sharpness	18N-30N

Here is a detailed overview of pelletizer blades in English:

Pelletizer Blades:

1, Curved or Concave Shape:

Pelletizer blades typically feature a curved or concave cutting edge, rather than a straight design.

This curved shape helps to create a shearing and compacting action as the blade rotates, which is essential for the pelletizing process.

The concave blade profile also guides the material towards the die holes or openings in the pellet mill.

2, Serrated or Grooved Edge:

Many pelletizer blades incorporate a serrated or grooved cutting edge, with a series of small teeth or indentations.

The serrated design helps to grip and tear the material, facilitating the compression and agglomeration required for pellet formation.

The grooves or serrations also help to clear any debris or built-up material from the blade surface during operation.

3, Bevel Angle:

The bevel angle of pelletizer blades is typically steeper than that of wood chipper blades, often ranging from 45 to 60 degrees.

The steeper bevel angle provides a more aggressive cutting action and helps to maintain a sharp edge for longer periods.

4, Blade Material:

Pelletizer blades are usually made from high-quality tool steel or other hard, wear-resistant materials, such as tungsten carbide.

These materials are chosen for their ability to withstand the high pressures, temperatures, and abrasive conditions encountered during the pelletizing process.

5, Blade Mounting:

Pelletizer blades are typically mounted on a rotating drum or rotor within the pellet mill, similar to wood chipper blades.

However, the blade mounting system may be more complex, often incorporating features like adjustable blade holders or other specialized mechanisms to ensure precise blade alignment and consistent performance.

Picture:



Applications:



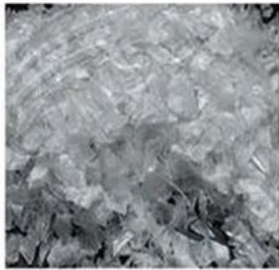
domestic garbage



Rubber head material



Milk bottle



Plastic bottle



Chemical barrel



Plastic bucket



Film material



Miscellaneous material



Rubber head material

Packing & Delivery:



SHIPMENT



PACKAGING



TRUCK LOADING



GOODS RECEIPT





Jiangsu Seton Industrial Technology Co.,Ltd



+86 15852715407



alen@setonindustrial.com



blade-industrial.com

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