

China

Seton

CE ISO

Alloy Tool Steel D2

Can be discussed

MoneyGram

1pc/wrapper, 100pcs/box,

500 Piece/Pieces per Day

100boxes/ctn,Wooden and carbon boxes

Alloy Tool Steel D2 Granulator Screens Plastic Shredder Blades 568 X 100 X 22mm

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: MOQ 10 Pieces
- Price:
- · Packaging Details:
- Delivery Time: 30 days L/C, D/A, D/P, T/T, Western Union,
- Payment Terms:
- Supply Ability:

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Product Specification

• Product Name: Granulator Screens Plastic Shredder Parts Alloy Tool Steel D2 Material: 568mm . Length: 100mm • Width: • Thickness: 22mm HRC 58-68 Hardness: Precision: ±0.02-0.05mm • Application: All Kind Of Plastic • Highlight: Steel D2 plastic shredder blades, Alloy plastic shredder blades, D2 plastic granulator knives



Our Product Introduction

568 X 100 X 22mm Alloy Tool Steel D2 Granulator Screens Plastic Shredder Parts

Description:

Here are the key basic information points about granulator blades:

1,Definition:

Granulator blades are the cutting tools used in granulators, which are machines designed to reduce the size of various solid materials, such as plastics, pharmaceuticals, minerals, and biomass. 2.Purpose:

The primary purpose of granulator blades is to shear, slice, and break down larger feed materials into smaller, more uniform granules or particles.

This size reduction is crucial for various downstream processing steps, such as extrusion, injection molding, tableting, or further refinement.

3,Blade Materials:

Granulator blades are typically made from high-performance materials, such as alloy steel, tungsten carbide, ceramic, or specialized alloys, depending on the application and feed material characteristics.

The material selection is based on factors like hardness, wear resistance, impact toughness, and corrosion/chemical resistance.

4,Blade Geometry:

Granulator blades can have different blade edge geometries, such as straight, serrated, or beveled, to optimize the cutting performance for specific applications.

The blade width, thickness, and bevel angle are also important design parameters that can be customized to suit the granulator's requirements.

5, Mounting and Configuration:

Granulator blades are typically mounted on a rotor or drum within the granulator, with a central mounting hole or multiple mounting points to secure the blades in place.

The number, arrangement, and orientation of the blades on the rotor can be optimized to enhance the size reduction efficiency and throughput.

6,Maintenance and Replacement:

Granulator blades are subject to wear and tear during the size reduction process and may require periodic sharpening, maintenance, or replacement to maintain optimal performance.

The frequency of blade maintenance or replacement depends on factors like the feed material, operating conditions, and the blade's material properties.

7, Regulatory Compliance:

For applications involving food, pharmaceuticals, or other regulated industries, the granulator blades must be approved for use and comply with relevant safety and hygiene standards.

The blade materials and design may need to meet specific regulatory requirements, such as FDA or USDA approval for foodgrade applications.

Granulator Blade Specifications:

Product Name:	Granulator Screens Plastic Shredder Parts
Material	Alloy Tool Steel D2
Length	568mm
Width	100mm
Thickness	22mm
Hardness	HRC 58-68
Precision	±0.02-0.04mm
Application	All kind of plastic

When selecting the appropriate granulator blades, there are several key factors to consider:

1, Feed Material Characteristics:

Understand the properties of the feed material, such as hardness, brittleness, toughness, etc., as these will influence the blade material selection and geometric design.

Different materials may require different blade designs to achieve the desired particle size reduction and distribution. 2, Application Requirements:

Based on the specific application, such as food, pharmaceuticals, or plastic recycling, choose blade materials that comply with the relevant safety and hygiene standards.

Some applications may have special requirements for cutting performance or wear resistance, which will also affect the blade selection.

3, Particle Size Distribution and Control:

Select the appropriate blade geometry and dimensions to achieve the desired final product particle size distribution.

The number, arrangement, and angle of the blades can all impact the uniformity of the particle size reduction.

4, Machine Size and Mounting:

Choose blade sizes and mounting hole diameters that match the granulator's dimensions and assembly requirements. Ensure the blades can be securely installed on the granulator's rotor or drum.

5,Wear Resistance and Longevity:

Select blade materials with good wear resistance based on the expected usage frequency and lifetime.

Consider the periodic maintenance and replacement needs of the blades to ensure continuous efficient operation of the granulator.

6, Energy Consumption and Cost-Effectiveness:

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