

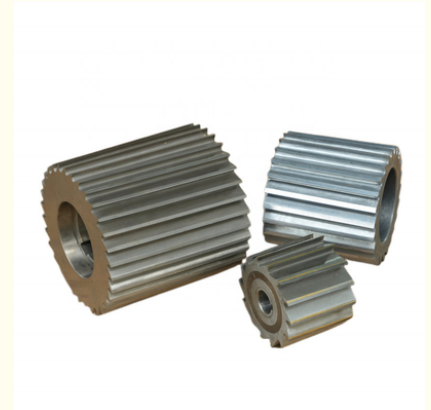


55mm 5CrW2Si Rolling Pelletizer Blades And Pelletizer Knife Production Of Biomass

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: 5CrW2Si
- 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 Rolling Blades And Knives
- Material: 5CrW2Si
- OD: 160mm
- ID: 80mm
- Thickness: 55mm
- Hardness: HRC 54-68
- Voltage: 220
- Applicable Industries: Plastics Factory, Chemical Factory, Timber Factory
- Highlight: rolling pelletizer blades, 55mm pelletizer knife, 55mm pelletizer blades



5CrW2Si Pelletizer Rolling Blades And Knives Production Of Biomass

Description:

Here are the key performance advantages of pelletizer blades:

- 1,Improved Productivity and Efficiency:
Pelletizer blades enable the efficient transformation of raw materials into uniformly-sized pellets or granules. The consistent and precise shaping of the final product improves handling, storage, and transportation properties, leading to enhanced overall productivity. The pelletization process facilitated by the blades can significantly increase the throughput and output rates of the manufacturing or processing operations.
- 2,Enhanced Material Properties:
Pelletizer blades help to improve the physical and chemical properties of the final pelletized products. The compaction and shaping of the raw materials into pellets can enhance their density, strength, and durability. This can be particularly important in applications where the pelletized products need to withstand harsh environmental conditions or mechanical stresses during handling and transportation.
- 3,Improved Process Control and Consistency:
Pelletizer blades enable precise control over the size, shape, and uniformity of the produced pellets or granules. This consistency in product characteristics is crucial for maintaining quality standards and meeting the specific requirements of various industries, such as pharmaceutical, chemical, or animal feed production. The ability to fine-tune the pelletization process through the design and performance of the blades allows for better process control and reproducibility.
- 4,Reduced Maintenance and Downtime:
Pelletizer blades can be designed and manufactured using wear-resistant materials, such as tool steels or tungsten carbide, to withstand the abrasive and high-stress conditions encountered during operation. The use of these durable materials, along with coatings or surface treatments, can extend the service life of the blades, reducing the frequency of blade replacements and maintenance requirements. This, in turn, leads to fewer interruptions in the manufacturing or processing operations, minimizing downtime and improving overall equipment effectiveness (OEE).
- 5,Adaptability to Various Materials and Applications:
Pelletizer blades can be customized and tailored to accommodate a wide range of raw materials, from minerals and chemicals to biomass and pharmaceuticals. The blade design, materials, and coatings can be optimized to handle the specific characteristics and requirements of the target application, ensuring optimal performance and efficiency. This versatility allows pelletizer blades to be widely adopted across diverse industries, making them an essential component in many manufacturing and processing operations.

Pelletizer Blades Specifications:

| | |
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Let me provide more details on the differences in performance requirements for pelletizer blades across various industries:

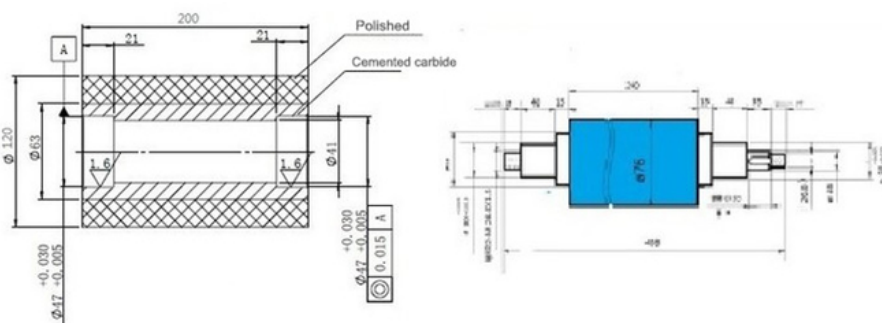
- 1,Material Hardness and Wear Resistance:
In industries like mining and chemicals, the raw materials can be highly abrasive, such as iron ore and fertilizers. Pelletizer blades used in these sectors require higher hardness and wear resistance, often utilizing materials like tungsten carbide or ceramic composites. In contrast, for industries handling softer biomass or animal feed materials, the wear requirements for the blades are relatively lower.
- 2,Cutting Edge Sharpness and Edge Retention:
In the pharmaceutical and nutraceutical industries, there is a higher demand for precision and sharpness of the pelletizer blades, as the size and shape of the final pellets directly impact the drug release rate and bioavailability. For industrial applications like fuel or fertilizer pellet production, the requirements for cutting performance may be less stringent.
- 3,High-Temperature and Corrosion Resistance:
In some high-temperature processes, such as ceramic and refractory materials production, pelletizer blades need to withstand elevated temperatures and have enhanced thermal and oxidation resistance. In wet chemical processes, the blades may need to resist strong acid or alkaline environments, requiring higher corrosion resistance.
- 4,Cleanliness and Hygienic Standards:
In food, beverage, and pharmaceutical industries, pelletizer blades must meet stricter hygiene requirements, such as easy cleanability and non-toxicity, to ensure product quality and safety. In some industrial applications, these requirements may be less stringent.
- 5,Product Size and Shape Specifications:

Different industries have varying demands for the size and shape of the pellets, so the pelletizer blade design needs to be tailored accordingly to meet the specific product requirements.

Picture:



Size:



Packing & Delivery:



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