



China Factory

Wuxi Soon Technology Co.,Ltd.

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## Germany Single-Blade Boring Cutter with $\pm 0.01$ Mm Tolerance and 1500-3000 RPM for CNC Milling Machines

Our Product Introduction

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### Basic Information



### Product Specification

- Tolerance:  $\pm 0.01$  Mm
- Productname: Boring Cutter
- Trademark: Wxsoon
- Operatingspeed: 1500-3000 RPM
- Flute: 1
- Specification: 1.3~4.8mm
- Cuttingedgetype: Straight
- Blade Number: Single-Blade
- Выделить: **Germany single-blade boring cutter ,  
CNC milling machine boring cutter ,  
precise metalworking boring cutter**

### Product Description:

The Heavy Duty Boring Cutter is an essential tool designed for precision and efficiency in various machining operations. Engineered to meet the demands of professional workshops and manufacturing environments, this rotary boring tool delivers exceptional performance and durability. Whether you are working on metal, wood, or other materials, the Heavy Duty Boring Cutter ensures clean and accurate boring results every time.

Constructed with high-quality materials, the Adjustable Boring Cutter is built to withstand rigorous use without compromising on precision. Its robust design allows for stable cutting action, reducing vibration and improving the overall finish of the bored holes. This makes it an ideal choice for heavy-duty applications where reliability and precision are paramount.

One of the standout features of this rotary boring tool is its straight cutting edge type. The straight cutting edges provide smooth, consistent cutting performance, making it easier to achieve clean and precise holes. This design also contributes to the tool's ability to maintain sharpness over extended periods, reducing the need for frequent replacements or sharpening.

The Adjustable Boring Cutter offers versatility through its adjustable cutting diameter, allowing users to customize the boring size according to their specific project requirements. This adaptability makes it a valuable addition to any machinist's toolkit, providing flexibility without sacrificing the structural integrity or cutting efficiency of the tool.

With a flute length of 40 mm, the Heavy Duty Boring Cutter is capable of handling deeper boring tasks with ease. The flute design aids in chip removal, preventing clogging and ensuring a smoother cutting process. This feature not only enhances the tool's performance but also prolongs its lifespan by minimizing wear caused by accumulated debris.

Operating at speeds ranging from 1500 to 3000 RPM, this rotary boring tool delivers optimal cutting performance across a range of materials and thicknesses. The specified operating speed ensures that the cutter can achieve maximum efficiency while maintaining safety and precision. Users can confidently adjust the speed within this range to suit different materials and machining conditions.

For ease of transportation and storage, the Heavy Duty Boring Cutter is packaged securely in a plastic tube, with one piece per package. This packaging protects the cutter from damage during transit and keeps it clean and ready for use when it arrives. The compact packaging also makes it convenient to store the tool safely in your workshop or tool chest.

In summary, the Heavy Duty Boring Cutter combines durability, precision, and versatility in a single, reliable tool. Its straight cutting edge type, adjustable boring capabilities, and optimal flute length make it suitable for a wide range of boring applications. Whether you are a professional machinist or an enthusiast, this rotary boring tool is designed to enhance your machining efficiency and deliver excellent results consistently. Invest in the Heavy Duty Boring Cutter to experience superior boring performance backed by quality engineering and thoughtful design.

### Features:

Product Name: Boring Cutter

Blade Number: Single-Blade for precise cutting

Flute Length: 40 mm for efficient material removal

Compatible with CNC Milling Machines

Transport Package: 1 piece per plastic tube for safe delivery

Origin: China

Ideal Lathe Boring Cutter for accurate boring tasks

Adjustable Boring Cutter design for versatile machining

High-quality Adjustable Boring Cutter for enhanced performance

### Technical Parameters:

Product Name	Boring Cutter
Specification	1.3~4.8mm
Overall Length	100 mm
Flute	1
Blade Number	Single-Blade
Cutting Edge Type	Straight
Operating Speed	1500-3000 RPM
Country of Origin	Germany
Origin	China
Shipping Cost	To Be Negotiated

### Applications:

The Boring Cutter is an essential tool designed for precision machining in various industrial and workshop settings. With an overall length of 100 mm and a flute length of 40 mm, this tool provides excellent reach and cutting depth for detailed boring operations. Its tolerance of  $\pm 0.01$  mm ensures high accuracy, making it ideal for applications that demand meticulous dimensional control.

One of the primary application occasions for the Adjustable Boring Cutter is in CNC machining centers where precise hole enlargements

or finishing operations are required. The ability to adjust the cutter allows machinists to customize the diameter of the bored hole, providing flexibility for different project specifications without the need to switch tools frequently. This adaptability makes it invaluable in automotive, aerospace, and mold-making industries where exact hole sizes are critical for assembly and function.

The Rotary Boring Tool is also extensively used in metalworking shops for internal turning and finishing of cylindrical parts. Its carbide insert design ensures enhanced durability and cutting efficiency, allowing it to work effectively on a variety of materials such as steel, aluminum, and cast iron. The carbide inserts can be replaced easily, reducing downtime and maintaining consistent performance over prolonged use.

In addition to industrial manufacturing, the Carbide Insert Boring Tool finds applications in maintenance and repair scenarios. It is ideal for refurbishing worn-out holes or enlarging existing bores to fit new components. The tool's precise tolerance of  $\pm 0.01$  mm ensures that repaired parts meet stringent quality standards, minimizing the risk of mechanical failure.

When considering logistics and procurement, the shipping cost for the Boring Cutter is to be negotiated, allowing for flexible arrangements based on order volume and destination. This flexibility aids businesses in managing overall expenses effectively.

Overall, the Boring Cutter is a versatile tool suited for a variety of boring operations in manufacturing, maintenance, and repair environments. Its adjustable feature, combined with the robustness of carbide inserts and precise tolerance, makes it a reliable choice for professionals seeking accuracy and efficiency in their boring tasks.

### Customization:

Our Rotary Boring Tool can be customized to meet your specific machining needs, with an overall length of 100 mm for precise boring operations. Each Lathe Boring Cutter is carefully packaged in a 1 piece/plastic tube to ensure safe transport and delivery. Designed to be compatible with CNC Milling Machines, this Carbide Insert Boring Tool features a single flute for efficient material removal and smooth finishes. The operating speed range of 1500-3000 RPM allows for versatile use across various applications.

### Support and Services:

Our Boring Cutter product is designed to deliver precision and efficiency in machining operations. For optimal performance, ensure the cutter is properly installed and securely fastened before use. Always operate within the recommended speed and feed rates specified in the product manual to maintain tool integrity and achieve the best results.

Regular inspection and maintenance are crucial. Check the cutter for any signs of wear or damage before each use, and replace inserts as needed to maintain cutting quality. Use appropriate coolant or lubrication to extend tool life and improve surface finish.

In case of any operational issues or for technical assistance, refer to the troubleshooting section of the product manual. Our support team is available to provide guidance on tool selection, application techniques, and maintenance practices to help you maximize the value of your Boring Cutter.

We recommend using genuine replacement parts and accessories to ensure compatibility and maintain the performance standards of the Boring Cutter. For detailed instructions and updates, always consult the latest product documentation provided with your purchase.



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