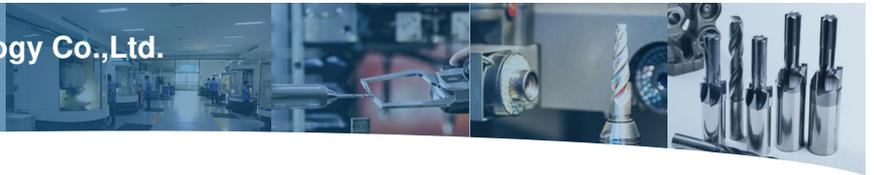




China Factory

Wuxi Soon Technology Co.,Ltd.

soonru.com



## 100 Mm Overalllength Adjustable Boring Cutter with 1.3 to 4.8mm Diameter and Single-Blade Design for CNC Milling Machines

### Basic Information



### Product Specification

- Flute: 1
- Trademark: Wxsoon
- Operatingspeed: 1500-3000 RPM
- Blade Number: Single-Blade
- Compatiblemachine: CNC Milling Machines
- Overalllength: 100 Mm
- Productname: Boring Cutter
- Shipping Cost: To Be Negotiated
- Выделить: **100mm adjustable boring cutter, 1.3 to 4.8mm diameter boring cutter, machining and boring operations cutter**

Our Product Introduction

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### Product Description:

The Boring Cutter is a precision-engineered cutting tool designed to deliver exceptional performance in metalworking and machining applications. This tool is an essential component for professionals who require accuracy, durability, and efficiency in their boring operations. Featuring a single-flute design and a flute length of 40 mm, the Boring Cutter offers optimal chip evacuation and smooth cutting action, making it ideal for fine boring tasks with stringent tolerance requirements.

One of the standout features of this Boring Cutter is its single-blade configuration. The single-blade design ensures a stable cutting process, reducing vibration and enhancing the surface finish of the bored holes. This makes it particularly suitable for high-precision machining where the quality of the bore surface is crucial. The single blade also simplifies the tool's maintenance and sharpening, contributing to longer tool life and reduced downtime in the workshop.

Manufactured with a strict tolerance of  $\pm 0.01$  mm, this Adjustable Boring Cutter guarantees superior dimensional accuracy. Such tight tolerance control is essential for applications involving intricate components and assemblies where even minor deviations can lead to significant issues in performance and fit. Whether you are working on automotive parts, aerospace components, or precision instruments, this tool ensures you achieve consistent and reliable results every time.

The Boring Cutter is designed to be compatible with Carbide Insert Boring Tool systems, which enhances its versatility and adaptability. Carbide inserts are well-known for their hardness and wear resistance, allowing the tool to maintain its cutting edge under demanding conditions. The ability to interchange carbide inserts also means that users can easily replace worn or damaged inserts without the need to replace the entire tool, thereby reducing operating costs and improving productivity.

As a Rotary Boring Tool, this cutter is engineered to operate efficiently at high speeds and feeds, providing smooth and precise boring operations. The rotary action combined with the high-quality carbide insert technology enables the tool to handle a variety of materials, including hardened steels, cast iron, and non-ferrous metals. This makes it a versatile choice for different machining environments and material types.

The transport package for this Boring Cutter is thoughtfully designed to ensure the tool arrives in perfect condition. Each piece is securely housed in a plastic tube, protecting the cutting edges from damage during shipping and storage. This packaging not only preserves the integrity of the tool but also facilitates easy handling and storage in the workshop.

In summary, the Boring Cutter is a high-performance, Adjustable Boring Cutter that combines precision engineering with durable materials to meet the demands of modern machining. Its single-flute, single-blade design with a flute length of 40 mm ensures excellent chip control and cutting stability. The tight manufacturing tolerance of  $\pm 0.01$  mm guarantees accuracy, while compatibility with Carbide Insert Boring Tool systems offers flexibility and cost-effectiveness. Packaged securely in a plastic tube, this Rotary Boring Tool is ready to deliver outstanding results in a wide range of boring applications. Whether you are upgrading your tooling or seeking a reliable solution for precision boring, this Boring Cutter is an excellent choice that promises both performance and longevity.

### Features:

Product Name: Adjustable Boring Cutter

Country of Origin: Germany

Shipping Cost: To Be Negotiated

Cutting Edge Type: Straight

Specification Range: 1.3~4.8mm

Transport Package: 1 piece per Plastic Tube

Type: Rotary Boring Tool

Suitable for Lathe Boring Cutter operations

### Technical Parameters:

Product Name	Boring Cutter
Trademark	Wxsoon
Origin	China
Country of Origin	Germany
Transport Package	1 piece/Plastic Tube
Flute Length	40 mm
Overall Length	100 mm
Blade Number	Single-Blade
Cutting Edge Type	Straight
Shipping Cost	To Be Negotiated

### Applications:

The Boring Cutter by Wxsoon is an essential Precision Boring Tool designed specifically for use with CNC Milling Machines. Its straight cutting edge type and an overall length of 100 mm make it an ideal choice for a variety of machining tasks that require high accuracy and smooth finishes. This rotary boring tool is engineered to enhance the precision and efficiency of boring operations in complex

manufacturing environments.

This Precision Boring Tool is widely used in industries such as aerospace, automotive, and heavy machinery manufacturing where precise hole enlargement and finishing are critical. When maximum accuracy is required to achieve tight tolerances in metalworking projects, the Boring Cutter proves indispensable. Its straight cutting edge design ensures stable cutting performance, reducing vibrations and improving the quality of the bore.

The Boring Cutter is perfectly suited for applications involving the machining of engine components, hydraulic cylinders, and other mechanical parts that demand high dimensional accuracy. It excels in scenarios where traditional drilling tools fall short, providing refined surface finishes and consistent diameter control. Its compatibility with CNC Milling Machines allows for easy integration into automated production lines, enhancing productivity and repeatability.

In precision engineering workshops, this rotary boring tool is often employed during the finishing stages of hole-making processes, where precise alignment and smooth bore surfaces are required. Its robust construction and optimal length of 100 mm enable it to reach deeper cavities while maintaining cutting stability. This makes it ideal for machining internal features of complex parts without compromising on accuracy.

Additionally, the Wxsoon Boring Cutter is used in prototyping and small batch production settings where quick setups and consistent results are essential. The tool's design allows machinists to achieve excellent hole quality with minimal post-processing, saving time and resources. Whether working on ferrous or non-ferrous materials, this Precision Boring Tool ensures versatility and reliability in various operational scenarios.

In summary, the Boring Cutter combines precision, durability, and compatibility to serve as a premier rotary boring tool for CNC Milling Machines. Its straight cutting edge and overall length of 100 mm make it suitable for diverse machining occasions ranging from high-precision industrial manufacturing to detailed prototype development. For professionals seeking a dependable boring tool that delivers consistent, high-quality results, the Wxsoon Boring Cutter is an outstanding choice.

### Customization:

Our Heavy Duty Boring Cutter product can be customized to meet your specific needs. The Boring Cutter, branded by Wxsoon, is available in specifications ranging from 1.3 to 4.8mm, ensuring precise performance with a tolerance of  $\pm 0.01$  mm. Each Rotary Boring Tool is carefully packed in a single plastic tube for secure transport. Additionally, we offer customization options for our Adjustable Boring Cutter to suit various industrial applications, providing reliable and accurate boring solutions tailored to your requirements.

### Support and Services:

Our Boring Cutter product is designed to deliver precision and efficiency for your machining needs. For optimal performance, please ensure proper installation and maintenance as outlined in the user manual.

If you encounter any issues with the Boring Cutter, refer to the troubleshooting section of the manual for common problems and solutions. Regular inspection of the cutting edges and replacement of worn parts will extend the tool's lifespan.

We offer comprehensive technical support to assist you with product setup, operation, and maintenance. Our team of experts is available to provide guidance on selecting the right cutter for your application and optimizing cutting parameters.

Additional services include product training sessions, on-site support, and customized solutions to meet specific machining requirements. We are committed to ensuring your satisfaction and maximizing the productivity of your Boring Cutter.



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