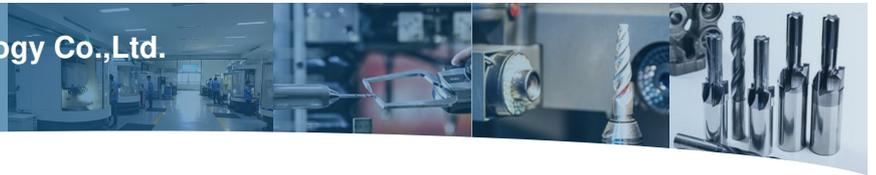




China Factory

Wuxi Soon Technology Co.,Ltd.

soonru.com



100 Mm Overalllength Precision Boring Tool with 40 Mm Flutelength and ± 0.01 Mm Tolerance for CNC Milling Machines

Our Product Introduction

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Basic Information



Product Specification

- Shipping Cost: To Be Negotiated
- Flutelength: 40 Mm
- Tolerance: ± 0.01 Mm
- Compatible machine: CNC Milling Machines
- Overall length: 100 Mm
- Specification: 1.3~4.8mm
- Country of origin: Germany
- Blade Number: Single-Blade
- Выделить: **100mm precision boring tool, industrial boring cutter with flutelength, 40mm flutelength boring cutter**

Product Description:

The Adjustable Boring Cutter is a highly precise and reliable tool designed specifically for CNC Milling Machines. Engineered with meticulous attention to detail, this precision boring tool ensures exceptional performance, making it an essential component for any machining operation that demands accuracy and efficiency. With a tolerance of ± 0.01 mm, this boring cutter guarantees consistent and repeatable results, enabling manufacturers and machinists to achieve the highest standards in their work.

This Adjustable Boring Cutter features a single-blade design that is optimized for precision and stability. The single blade, combined with a single flute configuration, allows for smooth cutting action and reduced vibration during operation. This design not only extends the tool's lifespan but also enhances the quality of the finished bore, resulting in clean, accurate holes with minimal surface roughness. The single-flute configuration further aids in efficient chip evacuation, reducing the risk of clogging and maintaining optimal cutting conditions throughout the machining process.

With an overall length of 100 mm, the Adjustable Boring Cutter offers versatility and ease of use. Its length is carefully calibrated to provide ample reach while maintaining rigidity, ensuring that the tool remains stable even during deep boring operations. This balance between length and rigidity is critical in precision machining, where any tool deflection can compromise the quality of the bore and lead to costly rework or scrap parts.

One of the standout features of this precision boring tool is its adjustability. The Adjustable Boring Cutter allows users to fine-tune the cutting diameter with high accuracy, accommodating a range of hole sizes without the need to switch tools. This adjustability not only saves time but also reduces tooling costs by minimizing the number of tools required for different operations. Machinists can confidently rely on this tool to provide the flexibility needed for various projects, from prototype development to full-scale production runs.

Designed to be fully compatible with CNC Milling Machines, this boring cutter integrates seamlessly into automated machining workflows. Its precise engineering ensures that it can withstand the high speeds and feeds typical of CNC operations while maintaining its accuracy and cutting performance. The tool's robust construction and high-quality materials contribute to its durability, making it a cost-effective choice for both small workshops and large manufacturing facilities.

In summary, the Adjustable Boring Cutter is a vital precision boring tool that combines accuracy, durability, and versatility. Its ± 0.01 mm tolerance, single-blade and single-flute design, and 100 mm overall length make it an excellent choice for demanding machining tasks. Whether you are working on fine detailed components or large-scale industrial parts, this boring cutter provides the reliability and adjustability needed to achieve perfect bores consistently. Invest in this Adjustable Boring Cutter to enhance your machining capabilities and ensure superior results every time.

Features:

Product Name: Boring Cutter

Specification: 1.3~4.8mm

Trademark: Wxsoon

Overall Length: 100 mm

Flute: 1

High precision Lathe Boring Cutter for accurate machining

Durable and reliable Precision Boring Tool for various applications

Heavy Duty Boring Cutter designed for tough and demanding tasks

Technical Parameters:

Shipping Cost	To Be Negotiated
Cutting Edge Type	Straight
Country of Origin	Germany
Specification	1.3~4.8mm
Origin	China
Compatible Machine	CNC Milling Machines
Flute Length	40 Mm
Trademark	Wxsoon
Tolerance	± 0.01 Mm
Blade Number	Single-Blade

Applications:

The Wxsoon Single-Blade Boring Cutter is a highly specialized tool designed for precision machining tasks. Originating from China and crafted with German engineering standards, this rotary boring tool delivers exceptional accuracy with a tolerance of ± 0.01 mm, making it an indispensable instrument in various industrial and manufacturing settings. Its superior build quality and precise performance make it ideal for applications requiring meticulous boring operations.

In automotive manufacturing, the Wxsoon lathe boring cutter excels in creating finely detailed engine components and cylinder bores. Its single-blade design ensures smooth cutting action, reducing vibration and enhancing surface finish quality. This precision boring tool is

perfect for use on CNC lathes and conventional machining centers where maintaining tight tolerances is crucial for part functionality and longevity.

Additionally, this rotary boring tool is widely used in aerospace component production, where durability and precision are non-negotiable. The cutter's ability to maintain a tolerance of ± 0.01 mm ensures that complex parts meet stringent industry standards. Its reliable performance helps in machining critical components such as turbine blades, housings, and structural parts, where dimensional accuracy directly affects safety and performance.

In the metalworking industry, the Wxsoon lathe boring cutter facilitates efficient and precise boring operations on various metals, including steel, aluminum, and alloys. Its single-blade configuration simplifies tool setup and maintenance, making it suitable for both mass production and custom machining tasks. Workshops and factories benefit from its versatility and long service life, enhancing productivity and reducing downtime.

Moreover, this precision boring tool finds its applications in tool and die making, where intricate cavities and precise bore diameters are essential. The cutter's design allows for fine adjustments and repeatable results, crucial for producing high-quality molds and dies. Its German-engineered blade ensures durability and consistent cutting performance, even in demanding machining environments.

Overall, the Wxsoon Single-Blade Lathe Boring Cutter is a reliable and high-performance rotary boring tool that meets the needs of industries requiring exacting standards. Whether used in automotive, aerospace, metalworking, or tool manufacturing, it provides precision, consistency, and efficiency, making it a valuable addition to any machining toolkit.

Customization:

Our Adjustable Boring Cutter is a heavy duty boring cutter designed to meet the highest standards of precision and durability. Featuring a single-blade design, this boring cutter operates efficiently at speeds ranging from 1500 to 3000 RPM, ensuring optimal performance for various machining tasks. Manufactured with quality components originating from China and crafted to German engineering standards, this product combines reliability with advanced technology. Whether you require customization in blade size, material, or operating specifications, our Adjustable Boring Cutter services are tailored to fit your specific needs, delivering exceptional results in every application.

Support and Services:

Our Boring Cutter product is designed to deliver precise and efficient machining performance for a variety of boring applications. To ensure optimal functionality and longevity of your Boring Cutter, please follow the recommended usage guidelines and maintenance procedures.

Technical Support:

For technical assistance, our support team is available to help with product setup, troubleshooting, and optimization. We provide detailed documentation and user manuals to guide you through installation and operation processes. Should you encounter any issues, please refer to the troubleshooting section of the manual before contacting support.

Services:

We offer a range of services including product training, maintenance, and repair. Regular maintenance is essential to maintain the precision and performance of your Boring Cutter. Our service centers are equipped to perform inspections, sharpening, and part replacements as needed to keep your tool in excellent condition.

Warranty and Repairs:

The Boring Cutter comes with a limited warranty covering manufacturing defects and workmanship. Please retain your purchase receipt and warranty documentation for any claims. For repairs outside the warranty period or for damages caused by misuse, our authorized service centers provide reliable repair services to restore your tool.

Upgrades and Customization:

We offer upgrade options and custom configurations to tailor the Boring Cutter to specific machining requirements. Contact our technical team to discuss customization options that can enhance your machining capabilities.

Safety and Compliance:

Always adhere to recommended safety practices when using the Boring Cutter. Use appropriate personal protective equipment and ensure that the tool is compatible with your machinery. Our products comply with industry standards and regulations to guarantee safe and reliable operation.



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