

ROTARY TABLE 3" / 75MM



ROTARY TABLE 3"/75mm

- High Precision Quality Made Low Profile Rotary Table
- Table Height : 42mm
- Table Height With Chuck : 95mm
- Worm Gear has 36:1 ratio
- The hand wheel is in 10 min division and can be set at 0.

DESCRIPTION

A rotary table is a precision work positioning device used in metalworking. It enables the operator to drill or cut work at exact intervals around a fixed (usually horizontal or vertical) axis. Some rotary tables allow the use of index plates for indexing operations, and some can also be fitted with dividing plates that enable regular work positioning at divisions for which indexing plates are not available

Cat No.	Description	Size	T Slot Size	OVERALL HEIGHT	GEAR RATIO
GRT-0003	Rotary Table	3" / 75mm	13mm	45mm / 1-3/4"	36:1
GRT-0003CK	Rotary Table + Clamping Kit				
GRT-0003C	Rotary Table + 3 Jaw 65mm Chuck + Back Plate				
GRT-0003C4	Rotary Table + 4 Jaw 70mm Chuck + Back Plate				

How to Use

A rotary table is a versatile tool often used in machining and fabrication processes to perform tasks like drilling, milling, cutting, and indexing. It allows you to rotate a workpiece or tool around a central axis to perform operations at precise angles. Here's a general guide on how to use a rotary table:

1. Safety Precautions:

- Ensure you are wearing appropriate safety gear, including safety glasses and hearing protection, if necessary.
- Familiarize yourself with the machine you are using and its safety features.

2. Set Up the Rotary Table:

- Securely mount the rotary table on your milling machine or worktable, ensuring it is level and well-aligned.
- Make sure it's securely clamped in place to prevent movement during operation.

3. Mount Your Workpiece or Tool:

- Attach the workpiece or tool to the rotary table. You can use clamps, T-slot hold-downs, or other suitable methods for securing the workpiece.

4. Choose the Desired Angle:

- Determine the angle at which you want to perform the operation. Most rotary tables have a graduated scale to help set the desired angle precisely.

5. Lock the Rotary Table:

- Lock the rotary table in place to prevent any movement during operation. Many rotary tables have locking mechanisms that secure them in the chosen position.

6. Set Up the Cutting Tool:

- If you are performing machining operations, set up the cutting tool (e.g., end mill, drill bit) in the machine's spindle.

7. Configure the Machine:

- Adjust the machine's settings, such as spindle speed and feed rate, to match the material and operation you are performing.

8. Start the Operation:

- Gradually lower the cutting tool to make contact with the workpiece.
- Depending on the operation, move the tool across the workpiece while the rotary table rotates to create the desired shape or feature.

9. Monitor the Operation:

- Keep a close eye on the operation, ensuring that everything is running smoothly and safely.

10. Complete the Operation:

- Once the operation is complete, raise the cutting tool and stop the machine.

11. Unlock and Reset:

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- Carefully unlock the rotary table, ensuring it's stationary before dismounting your workpiece or tool.

12. Inspection:

- Examine the finished workpiece for accuracy and quality.

13. Repeat as Needed:

- If you need to perform additional operations at different angles, reset the rotary table accordingly and repeat the process.

