

# Screw Pitch Marking Tool Multi 5-pitch Switch

## Use

- For marking screw pitches on boards such as plywood, plasterboard, etc.

## Features

- One unit can mark five different pitches

\*In recent years, pitches for screws have been strictly controlled in building for some house builders in Japan. The pitch can vary depending on building structure. This tool can cover most cases.

- Easy-to-replace cartridge



- Easy-to-refill ink tank

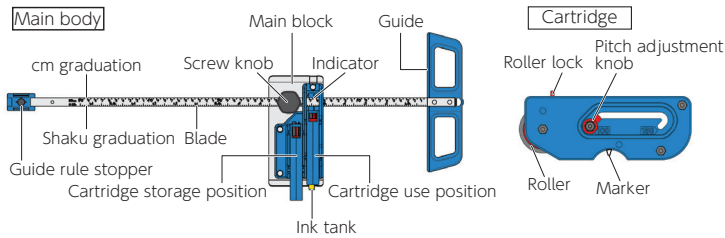


- Stopper can be used to mark center of board width. Easily mark pitches on the center of the board by fixing the guide rule stopper in either hole in the figure below and sliding the main block.



For 1,000 mm width For 910 mm width\*  
\*Common measurement in Japanese architecture

## Part Names

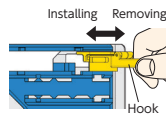


## How to Use

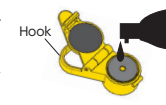
### Caution

Be sure to test the product before use to make sure there are no problems with the accuracy.

- Put your finger on the hook of the ink tank and pull it out from the main body.



- Fill the ink tank with the right amount of ink (enough to cover the sponge). Do not overfill or it will leak. Please purchase ink for building and construction work separately.  
\*Using a dried sponge can cause malfunction. Fill the sponge with ink for building and construction work.



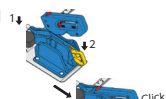
- Push the hook of the ink tank firmly into the main body until it stops at the mounting position.  
\*Do not install or remove the ink tank while the cartridge is installed in the use position. Installation or removal of the ink tank is not possible when the cartridge is installed.



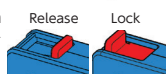
- Slide the cartridge's pitch adjustment knob to the desired pitch setting.



- Place the cartridge in the use position in the order shown in steps 1 and 2 to the right. The protrusion on the cartridge should engage with the groove on the tool. Push the cartridge in until it clicks into place.  
In the same way, place the unused cartridge in the storage position.



- Release the roller lock on the cartridge. The roller lock is released when it is open and locked when it is closed. Be sure to release the roller lock before use.



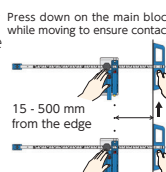
- Before marking, turn the tool over and rotate the roller by hand to get ink on the marker.



- Rotate the roller to align the marker with the cartridge's starting point.



- Place the tool on the material so that the marker and the starting point of the materials are aligned. Slide the main block while pressing the guide rule against the side of the material to make the pitch marks.



## Specifications

Accuracy	100 mm Pitch: 95 - 100 mm 150 mm Pitch: 145 - 150 mm 200 mm Pitch: 195 - 200 mm 250 mm Pitch: 240 - 250 mm 300 mm Pitch: 290 - 300 mm
Material	Main Block : ABS resin, polyacetal resin, elastomer resin, stainless steel, silicone rubber Guide Rule: ABS resin, aluminum
Size	Main Block: 159 × 79 × 80 mm Guide Rule: 200 × 663 × 15 mm
Weight	Main Block: 300 g Guide Rule: 110 g

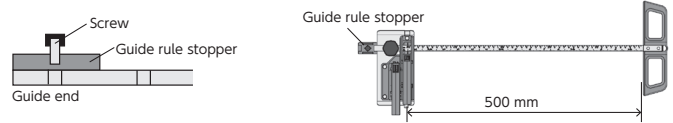
Ink is not included.  
Please purchase ink for building and construction work separately.

## How to Use the Stopper for the Guide Rule

When the guide rule stopper's set screw is fixed in the first hole from the guide end and the main block is placed against the stopper, marks can be made 500 mm from the guide. If the set screw is inserted in the second hole from the guide end, that distance will change to 455 mm.\*

The stopper can also be moved and fixed to any position.

\*910 mm is a common measurement used in Japanese architecture



## How to Change the Maker Belt

When the marker has deteriorated to the point that it loses pitch accuracy or is no longer able to mark pitches, follow the steps below to replace it.

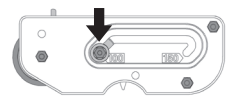
### Caution

- Cartridge contains small parts. When opening, please open slowly to avoid scattering the parts.
- Be careful not to lose any parts

- Set the pitch adjustment knob on the cartridge to the smallest pitch.

\*Opening the cartridge without moving the pitch adjustment knob to the smallest pitch can be dangerous as parts may fly out.

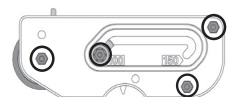
Set the pitch adjustment knob to the smallest pitch



- Remove all 4 screws and open the cartridge.

\*Hold on to the nut when removing or tightening the screws on the pitch adjustment knob so that it does not turn.

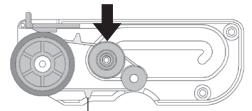
Remove the 4 screws



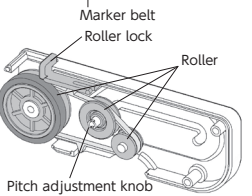
- Replace the marker belt with a new marker belt.

- Return the three rollers and the roller lock to their original locations.  
The center roller passes through the pitch adjustment knob.

The center roller passes through the pitch adjustment knob



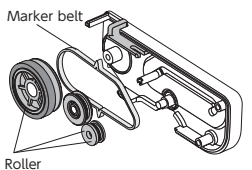
- Close the cartridge and tighten the 4 screws.



## Maintenance

After use, wipe the roller and marker belt with a dry cloth or a cloth soaked in water or neutral detergent.

If ink or dust gets into the gap between the roller and marker belt, disassemble and clean it.



## Spare Parts

Item Code	Description
77323	Replacement Belt 100/150 for Screw Pitch Marking Tool Multi
77324	Replacement Belt 200/250/300 for Screw Pitch Marking Tool Multi
77326	Replacement Cotton for Screw Pitch Marking Tool Multi 2 pc-pack

### Caution

- Do not use other than as intended
- Do not drop or subject to strong impact as this may cause damage or deformation
- Do not disassemble or modify this product except as described in the instructions
- Keep out of reach of children
- Do not wipe with solvents such as thinner or benzene as this will cause the scale on the blade to disappear
- Use ink for building and construction use only. If other ink is used, it may harden and become unusable.
- When applying wallpaper, the ink on the base material may bleed out. Either dilute the ink before using, or use an ink color that will be difficult to spot if it bleeds.
- This product marks pitches by rotating a roller. Clean the work surface before use as a dusty surface will result the roller to be slippery and cause fault in accuracy.
- If the roller and marker belt are stained with ink or dust, this can cause malfunction. If dirty, wipe with a dry cloth or a cloth soaked in water or neutral detergent.
- Using a dried sponge can cause malfunction. Fill the sponge with ink for building and construction work.
- Avoid using for precision measurement as aluminum can expand and contract due to temperature change  
\*Expansion rate: 10 °C change generates a 0.23 mm expansion or contraction per 1 m

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