

# **ZMA2-53DC**

## **Using the Open Edge Adapter**

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- To ensure safe use with a full understanding of this machine's performance, please be sure to read through this manual completely.
  - Store this manual in a safe place where it can be referred to when needed.
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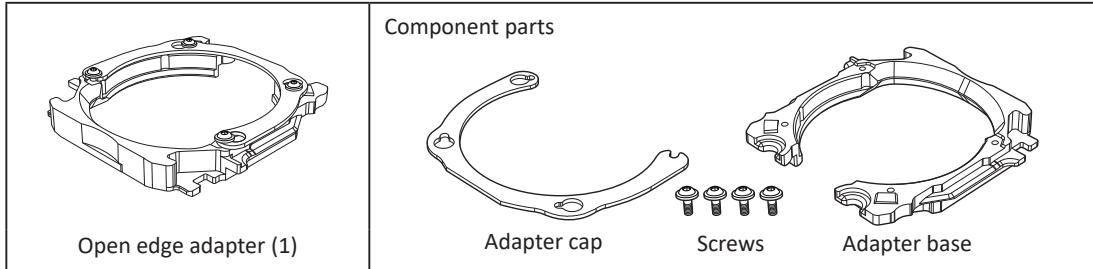
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# Using the Open Edge Adapter

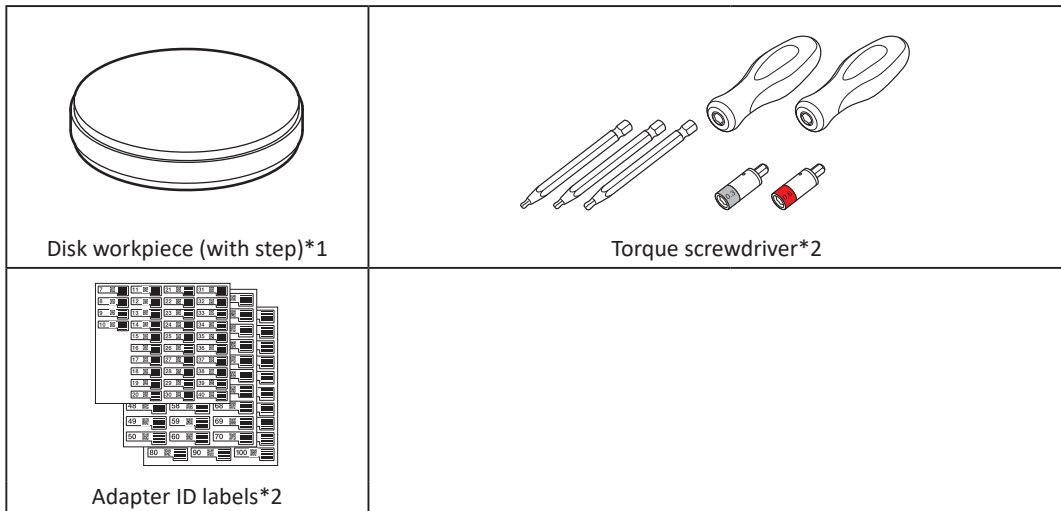
## What This Document Assumes

- This document describes how to use the open edge adapter.
- Refer to the milling machine User's Manual for information such as important notes and basic usage guidelines for using the open edge adapter.

## Included Items



## Items to Prepare Yourself



\*1: Workpiece size

Step section: 98.5 mm (3.88 in.) (diameter), 10 mm  $\pm$  0.3 mm (0.39 in.  $\pm$  0.01 in.) (height)

Body section: 95 mm (3.74 in.) (diameter), 35 mm (1.37 in.) max. (height)

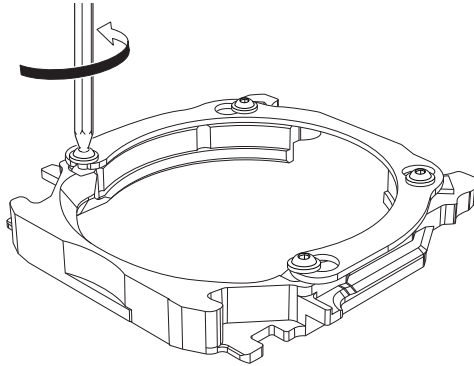
\*2: Item included with the machine

## Usage Method

- 1 Use a torque screwdriver to loosen the adapter screws (in four locations), turning them approximately four times.

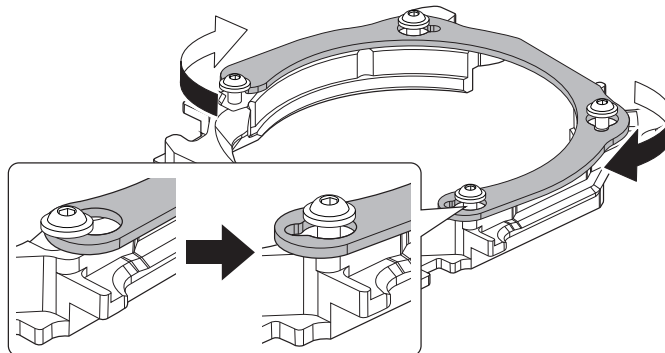
### MEMO

To improve the efficiency of the work and to prevent the loss of the screws, it is not necessary to remove the screws from the open edge adapter.

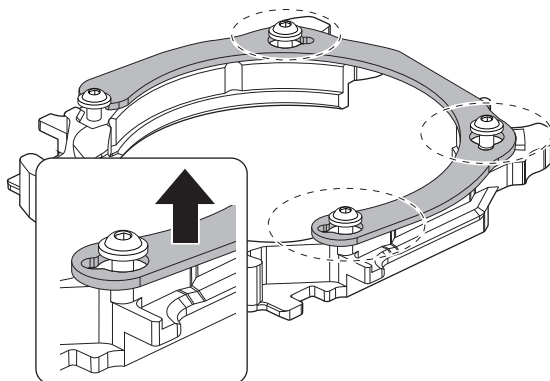


- 2 Remove the adapter cap.

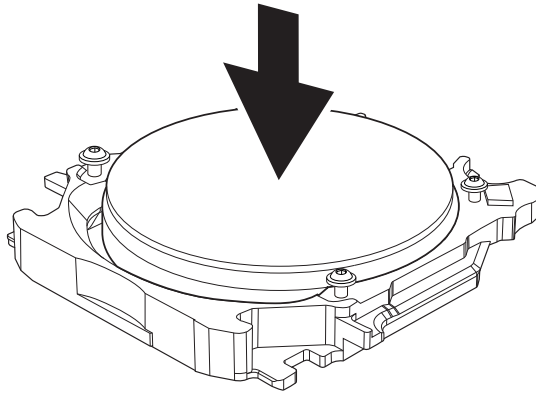
- 1 Turn the adapter cap in the direction of the arrows.



- 2 Lift up the adapter cap to remove it.

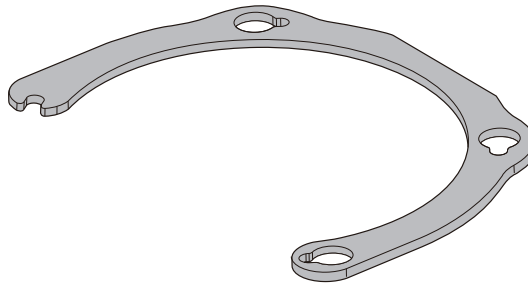


- 3 Set a disk workpiece in the open edge adapter.

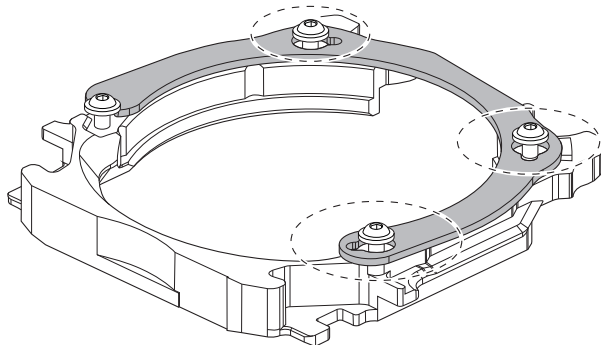


- 4 Attach the adapter cap.

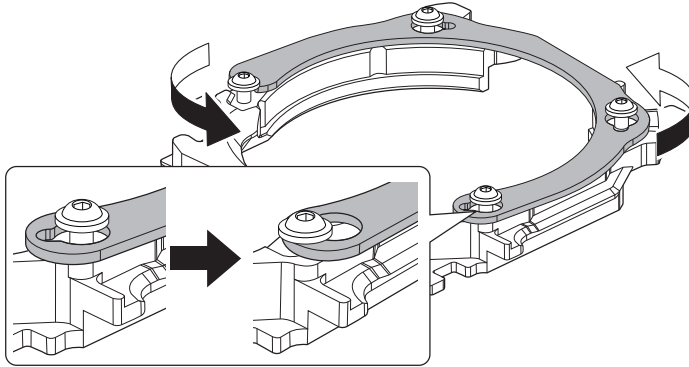
- 1 Orient the adapter cap removed in step 2 as shown in the following figure.



- 2 Attach the adapter cap as shown in the figure.

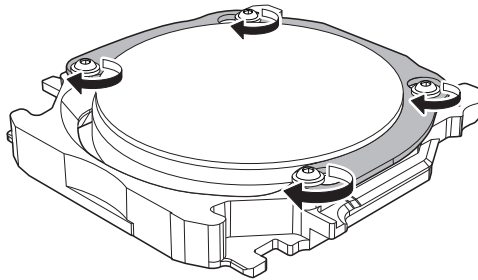


- ③ Turn the adapter cap in the direction of the arrows.



- ④ Temporarily tighten the screws.

Temporarily tighten the screws (in four locations) so that their seats come into contact with the adapter cap.



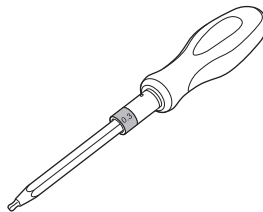
- ⑤ Check the material of the workpiece attached to the adapter, and then attach the sleeve and bit to the torque screwdriver.

**Important**

The screw tightening torque varies depending on the material of the attached workpiece.

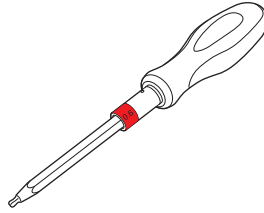
**Workpiece material that requires the use of the 0.3 N·m, black sleeve**

Zirconia, wax, CoCr sintered metal, and gypsum



**Workpiece material that requires the use of the 0.6 N·m, red sleeve**

PMMA, composite resin, PEEK, PEKK, and glass-fiber-reinforced resin



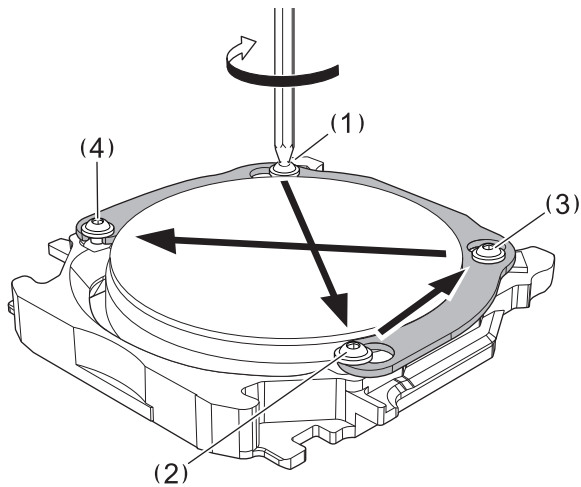
⑥ **Fully tighten the screws across the diagonals in the order of (1), (2), (3), (4).**

When the prescribed tightening torque is reached, turning the handle of the torque screwdriver no longer turns the screw bit. Tighten the screws until this state is reached.

**Important**

To prevent disk workpiece damage, follow the precautions listed below.

- Use the torque screwdriver included with the machine to tighten the screws.
- Be sure to tighten the screws across the diagonals.



⑤ **Attach an adapter ID label to the adapter base.**

**MEMO**

You can use an adapter ID label with any number.

