

MBSID

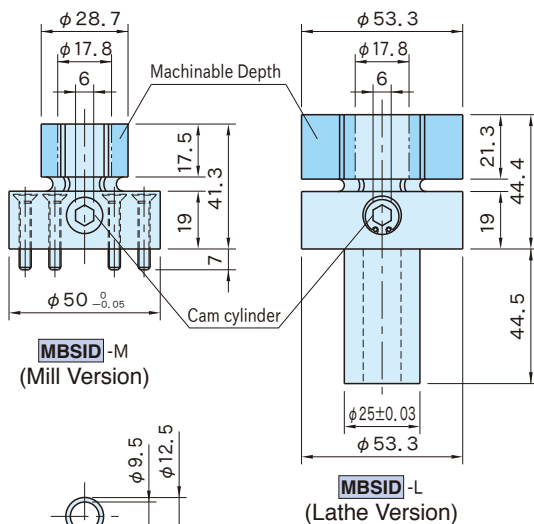
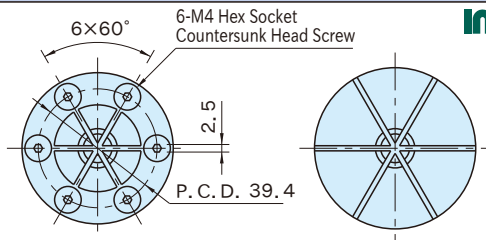
SIDE LOCK ID HOLDING CLAMPS



MBSID-M
(Mill Version)



MBSID-L
(Lathe Version)



Locking Ring

Body	Cam cylinder	Tapered Plunger	Spring
SUM24L Steel Black oxide finished	SCM440 steel Black oxide finished HRC39~45	SCM440 steel Fluoroplastic coated HRC52	SWP

Part Number	Adaptable Workpiece Dia. *)	Clamping Force (N)	Allowable Screw Torque (N·m)	Recommended Expansion Range of Dia. **)	Allowable Expansion of Dia.	Weight (g)
MBSID-M	$\phi 17.8 \sim \phi 28.7$	15,000	47	0.02~0.18	0.30	358
MBSID-L	$\phi 17.8 \sim \phi 53.3$					720

*) You need to machine the clamp to suit the diameter of your workpieces.

**) The recommended tightening torque to machine the diameter for custom fit is 13.5N·m.

Furnished Parts

1 of locking ring

Features:

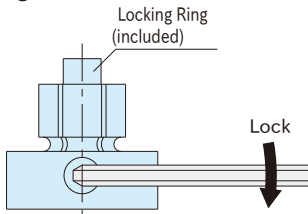
- Can hold workpieces on an inside diameter by turning a socket head cam cylinder on the side.
- Perfect for multiple-parts holding arrangement.
- Can be machinable to suit your workpieces.

Notes:

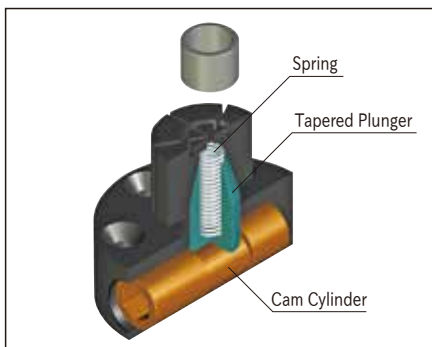
- Do not tighten the clamp screw without the workpiece set to prevent damage and deformation.
- The minimum radius of corners at the machined part should be 0.5mm for clamping small workpieces. To prevent stress concentration on these corners, make the radius as large as possible.
- If the radius will interfere with the bottom of the workpiece bore, we suggest a ring or rest-pads be fixed to the flange.

How To Use

Machining Instructions



Insert the locking ring to the groove of the upper surface and clamp it,] and then machine the clamp to your bore size.



Rotating the cam cylinder both clockwise and counterclockwise expands the clamp.