



Fit Back Plate

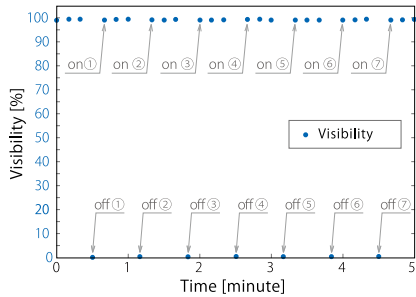
# FBP1000S



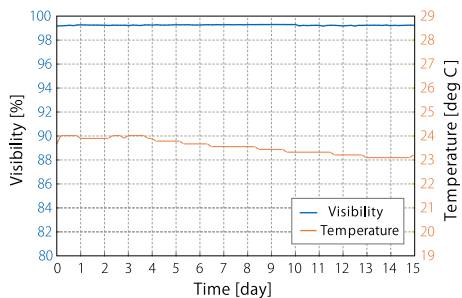
## An example of use of the FBP1000S with MM1000S (2" beam height)

If you set the height of optics center in 2" by using Thorlabs BE1/M, the room for inserting a holding fork is about 7.5 mm.

Please select a thin holding fork which is available from New focus, New Port or Sigma for example. The upper plate was collaborated with Thorlabs Japan and customized SB1T/M.



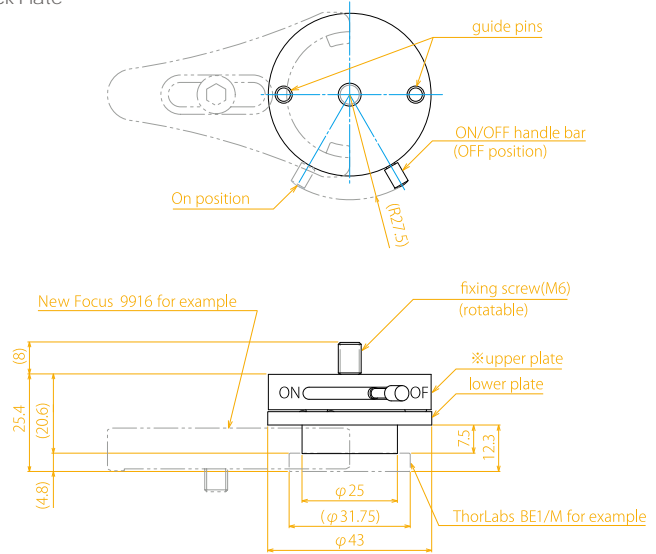
## Repeatability data



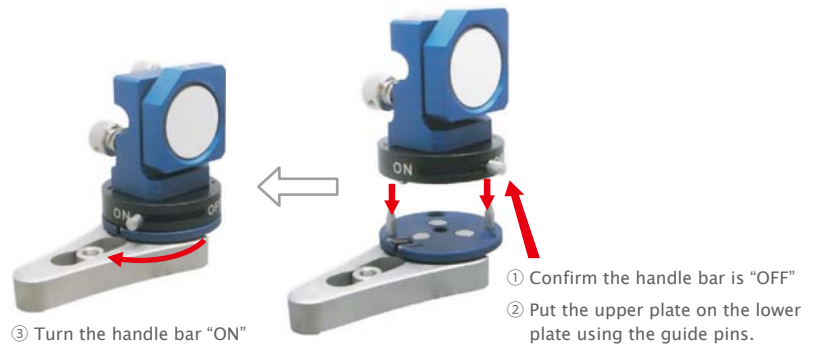
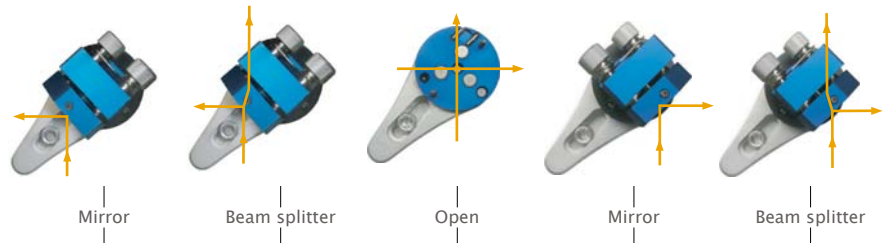
## Stability data

FBP1000S is a removable plate with high reproducibility of alignment. We demonstrate the reproducibility and the stability of alignment by using a Mach-Zehnder interferometer where one of the mirrors is mounted on the FBP1000S with MM1000S as shown in picture. The upper test data shows the repeatability of visibility while the upper plate of FBP1000S was put on and off for several times. The lower data shows a long term stability of alignment. FBP1000S will be shipped with the inspection data.

## FBP1000S Fit Back Plate



The upper plate can be replaced with another one with high repeatability. So if you have several upper plates equipped with a mirror, a beamsplitters, etc, you can easily switch the optical setup to another one. Please see below.



### \*Note

When you put on the upper plate, make sure that the handle bar is set in the "OFF" position at first. Confirm that the upper plate contacts with the lower plate using guide pins, then turn the handle bar to the "ON" position. If not, the contact point of the plates will be damaged by magnetic attractive force.