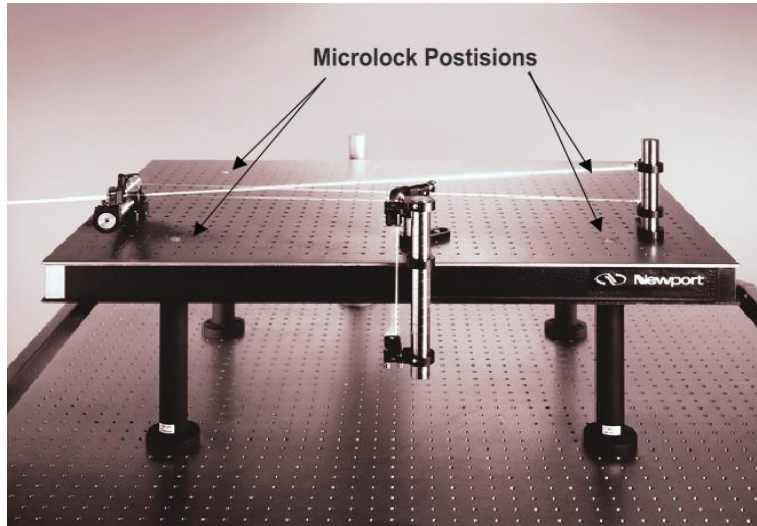


How does Newport Microlock™ work?

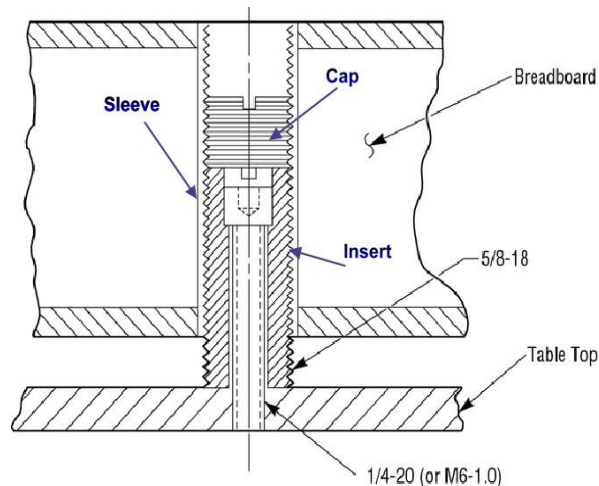
Newport Offers Microlock™ option (-ML) for most of its optical breadboards. They are a good way to precisely level a breadboard, and can be used to mount breadboards on an optical table or directly onto any vertical or horizontal structure.



So how does Microlock work?

Newport Microlocks are consisted of the following components:

- Microlock Sleeve
- Microlock Insert
- Microlock Cap



Microlock Sleeve

The sleeve was welded into the breadboard in factory, with inner threading of 5/8-18.



Microlock Insert

The insert has an outer threading that matches with the sleeve, so it could be threaded into the sleeve. The inner side of the insert is smooth, with a counter-bored hold for mounting 1/4-20 or M6 screws. Therefore, user could drop a long cap screw into the insert from the top, and attach to another surface with the same threading as the cap screw. This allows user to mount the breadboard to a surface with either 1/4-20 or M6 mounting holes. For example, user could use a M6 cap screw to mount a RG-22-2-ML to a metric optical table.



Microlock Cap

Finally the cap is used to lock the height position of the insert. The cap is with outer threading that matches with the sleeve, and has a slot that allows user to easily drive the cap in or out of the sleeve.



Buy Spare Components

If you wish to install Microlocks, please go with the part number that has –ML at the end. The spare parts for the Microlocks are also available on Newport website.

Microlock Sleeve: [6749-5](#) (4'' breadboard) or [6749-1](#) (2'' breadboard)

Microlock Insert: [4646](#)

Microlock Cap: [4647](#)



For more information, please contact Newport at (877) 835-9620, or sales@newport.com