

160 x 110mm Flat Plate Inserts

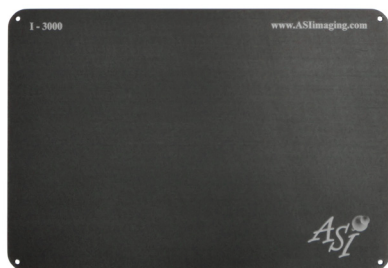
Choosing the Appropriate Insert

Inserts are designed to place their samples at a particular depth relative to their height. Generally, inserts on inverted microscope stages try to place the specimen as low as possible, while inserts on upright microscope stages try to place the specimen as high as possible.

Some microscopes are versatile enough to use either insert, and on some stage systems only certain inserts can be used.

When their objectives cannot be lowered close enough to achieve focus, some systems require shallow or high rise inserts (I-4013 insert, for example), however, this can be a problem with Kohler illumination if the condenser cannot be raised high enough -- in this case, a condenser extender is usually employed.

Some microscope models (e.g. Nikon E800/1000) may use large DIC condensers that cannot be extended -- in those cases (and depending on the stage) a compromise or medium ring insert is chosen (an I-4014 insert, for example) to lower the specimen enough to attain Kohler illumination yet remain high enough that the objective can still be focused.



Solid Plate Insert (I-3000)

The I-3000 solid top insert provides a solid baseplate that can be modified by the user to meet their particular application needs.

Depth from top of Insert: N/A

Overall Thickness: 8.0 mm



Metric Plate Insert (I-3001)

English Plate Insert (I-3002)

The I-3001/2 Metric/English breadboard insert provides a removable base plate for mounting equipment using either M5 bolts on 25 mm centers or 1/4" -20 bolts on 1-inch centers.

Depth from top of Insert: N/A

Overall Thickness: 8.0 mm



Glass Plate Insert (I-3008)

The I-3008 glass insert provides a large specimen area the full size of the insert. It is made of 4.8 mm (3/16") chemically strengthened soda lime float glass.

Depth from top of Insert: N/A

Overall Thickness: 4.8 mm