

160 x 110mm Sealed Glass Chamber 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.



33 mm Three-Dish Insert (I-3033)

The I-3033 insert accepts any dish with a maximum bottom outside diameter of 33.0 mm (1.30"), and places them about 7.4 mm below the top of the insert. The I-3033 is designed to hold any combination of ASI's stainless steel I-3033-25D and I-3033-20D Sealed Coverslip Dishes (see below). These autoclavable dishes have replaceable 25 mm (0.98") or 20 mm (0.78") glass coverslip bottoms, sealed in place by O-rings. Spring clips for secure stability. Dishes do not come with insert.

Depth from top of Insert: 7.4 mm

Overall Thickness: 8.0 mm



20 mm or 25 mm Sealed Coverslip Dish (I-3033-20D or I-3033 25D)

Autoclavable stainless steel dishes chamber with replaceable 20mm and 25 mm glasses coverslip bottom, sealed in place by an O-ring. Outside diameter is 33.0 mm (1.30"). Inside diameter at bottom (viewable window) is 22.0 mm (0.86"). Height is 8.0 mm (0.315").

Depth from top of Insert: N/A

Overall Thickness: N/A

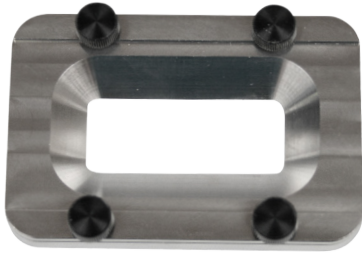


Rectangular Chamber Insert (I-3078)

The I-3078 insert accepts a rectangular dish with a maximum bottom outside dimension of 76.2 mm x 50.8 mm (3.00" x 2.00"), and places it about 6.7 mm below the top of the insert. The I-3078 is designed to hold ASI's stainless steel I-3078-2450 (see below). This autoclavable dish holds a replaceable 50 mm x 24 mm (1.97" x 0.95") coverglass bottom, sealed in place by an O-ring. Ease of access side slots. Spring clips for secure stability. Dishes do not come with insert.

Depth from top of Insert: 6.7 mm

Overall Thickness: 8.0 mm



Sealed Coverglass Rectangular Chamber (I-3078-2450)

Autoclavable stainless steel rectangular chamber with replaceable 50 mm x 24 mm coverglass bottom, sealed in place by an O-ring. Outside dimension is 76.0 mm x 50.5 mm (2.99" x 1.99"). Inside diameter at bottom (viewable window) is 42.7 mm x 16.7 mm (1.68" x 0.65"). Height is 10.7 mm (0.42").

Depth from top of Insert: N/A

Overall Thickness: N/A