



Applied Scientific Instrumentation

Stage Inserts

160 x 110 mm SPECIAL ITEM Inserts

Multiwell Microplate Insert

I-3020

The I-3020 insert provides a 128.0 mm by 86.1 mm (5.04" x 3.39") opening that accepts any multiwell microplate with an SBS Standard 127.5 x 85 mm (5" x 3 1/3") footprint; for example, a 96-well microplate. The unit places the bottom of a wellplate about 7.4 mm below the top of the insert.



The equivalent High-Rise version of this insert is the I-3028-B96 PARC High-Rise 96-Well Slide Insert.

Depth from Top of Insert: 7.4 mm
Overall Thickness: 8.0 mm

Multiwell Microplate Insert for Robotics

I-3020-ART

This is a special version of the I-3020 with special cutouts on the sides to accommodate a robot's gripper for the automated insertion and removal of microplates.



Depth from Top of Insert: 7.4 mm
Overall Thickness: 8.0 mm

Multiwell Microplate Insert with Motorized Lock

I-3020-ML

This is a special version of the I-3020 with a motorized locking mechanism for holding and releasing multiwell microplates, and special side cutouts to accommodate a robot's gripper.



Depth from Top of Insert: 7.4 mm
Overall Thickness: 8.0 mm

Siskiyou Perfusion Chamber Insert

I-3015

The I-3015 insert provides a 75.0 mm by 50.0 mm (2.95" x 1.97") opening to hold a Siskiyou perfusion chamber. The unit is recessed to place the bottom of the chamber about 4.8 mm below the top of the insert.



Depth from Top of Insert: 4.8 mm
Overall Thickness: 8.0 mm

LabTek™ Chambered Slide Insert

I-3016

The I-3016 slide insert provides a 57.9 mm by 26.9 mm (2.28" x 1.06") opening to securely hold one 57x26 mm (2.25" x 1.0") LabTek™ chambered slide manufactured by Nalge Nunc. The unit is recessed to place the bottom of the slide about 7.5 mm below the insert top.



Depth from Top of Insert: 7.5 mm
Overall Thickness: 8.0 mm

Bioptechs Stage Heater Insert

I-3017

The I-3017 insert holds a Bioptechs FCS2 stage heater. The unit is recessed to place the bottom of the heater about 7.1 mm below the top of the insert.

Depth from Top of Insert: 7.1 mm
Overall Thickness: 8.0 mm

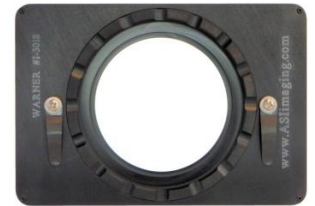


Warner Stage Heater Insert

I-3018

The I-3018 insert provides a 91.4 mm (3.60") diameter by 9.1 mm (0.35") deep opening to hold a Warner stage heater, plus offers 360 degree continuous rotation.

Depth from Top of Insert: 9.1 mm
Overall Thickness: 10.0 mm



Dagan Stage Heater Insert

I-3019

The I-3019 insert provides a 99.0 mm by 97.0 mm (3.90" x 3.82") opening to hold a Dagan HE-100-series thermal stage. The unit is recessed to place the bottom of the heater about 7.0 mm below the top of the insert.

Depth from Top of Insert: 7.0 mm
Overall Thickness: 8.0 mm



Stage Insert 14 mm Riser

I-3023

The I-3023 is a 14.3 mm (0.56") extender ring commonly fitted to an ASI inverted stage to allow any of ASI's 160 x 110 mm slide inserts to be raised 14.3 mm, and allow Piezo objective holders to be easily used.

Depth from Top of Insert: -14 mm
Overall Thickness: N/A mm



We Create Solutions

Applied Scientific Instrumentation, Inc. ♦ 29391 W Enid Rd ♦ Eugene, OR USA 97402-9533
(541) 461-8181 ♦ (800) 706-2284 ♦ info@ASImaging.com ♦ www.ASImaging.com

PARC 3x5 Slide Insert

The I-3021 insert provides a 127.5 mm by 76.7 mm (5.02" x 3.02") opening to hold a PARC 3x5 slide. The unit is recessed to place the bottom of the slide about 7.2 mm below the top of the insert.
Depth from Top of Insert: 7.2 mm
Overall Thickness: 8.0 mm



I-3021

PARC High-Rise 3x5 Slide Insert

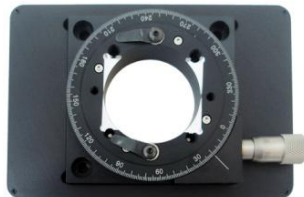
This is a special version of the I-3021 with a much shallower recession that places the bottom of the slide about 1.5 mm below the top of the insert. Available for upright microscopes that cannot move close enough to achieve correct focusing, although a condenser extender may be needed to obtain Kohler illumination.
Depth from Top of Insert: 1.5 mm
Overall Thickness: 8.0 mm



I-3028

Manual Rotary Stage Insert

The I-3029 2-inch Aperture Manual Rotary Stage Insert allows full 360° coarse rotation by hand at 1° resolution as read from the graduated scale on the platform. Coarse adjustment may be locked, and fine adjustments performed over a 10° range with 1 arc-minute resolution and accuracy using the precision micrometer. Maximum wobble is 1 arc-minute. The stage has a central aperture of 50.8 mm. Custom sample holders can be machined into its top.
Height from Top of Insert: 31 mm
Overall Thickness: 34 mm



I-3029

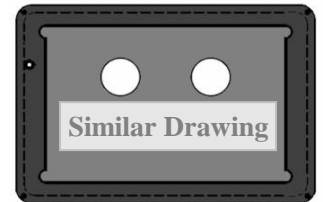
PARC High-Rise 96-Well Slide Insert I-3028-B96

The I-3028-B96 insert provides a 128.3 mm by 86.1 mm (5.05" x 3.39") opening to hold a PARC 96-well slide. (This is the same size opening that accepts an SBS Standard multiwell microplate.) The unit is recessed to place the bottom of the slide about 1.5 mm below the top of the insert.
NOTE: This insert is the equivalent of a High-Rise version of the I-3020.
Depth from Top of Insert: 1.5 mm
Overall Thickness: 8.0 mm



Mouse-Holding Insert

The I-3024 insert provides a 128.0 mm by 86.1 mm (5.04" x 3.39") lowered platform for in vivo mouse imaging. (This is the same opening size that accepts an SBS Standard multiwell microplate.) There are two 21.0 mm (0.83") off-axis holes for viewing from below. The unit's recession places the bottom of the specimen about 8.5 mm below the top of the insert.
Depth from Top of Insert: 8.5 mm
Overall Thickness: 9.5 mm



I-3024

Semiconductor Wafer Insert

The I-3025 insert provides a 100.1 mm (3.94") partially circular opening to hold a standard 100 mm semiconductor wafer. The unit is recessed to place the bottom of the wafer about 7.5 mm below the top of the insert.
Depth from Top of Insert: 7.5 mm
Overall Thickness: 8.0 mm



I-3025

160 x 110 mm FLAT PLATE Inserts

Solid Plate Insert

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



I-3000

English Plate Insert

The I-3002 english breadboard insert provides a removable baseplate for mounting equipment using 1/4"-20 bolts on 1-inch centers.
Depth from Top of Insert: N/A
Overall Thickness: 8.0 mm



I-3002

Metric Plate Insert

The I-3001 metric breadboard insert provides a removable baseplate for mounting equipment using M6 bolts on 25 mm centers.
Depth from Top of Insert: N/A
Overall Thickness: 8.0 mm



I-3001

Glass Plate Insert

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") clear tempered glass.
Depth from Top of Insert: N/A
Overall Thickness: 4.8 mm



I-3008

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