USER'S GUIDE

Translation Stages Precision Stainless-Steel Translation Stages Models 9066 and 9067

Warranty

New Focus guarantees its products to be free of defects for one year from the date of shipment. This is in lieu of all other guarantees, expressed or implied, and does not cover incidental or consequential loss.

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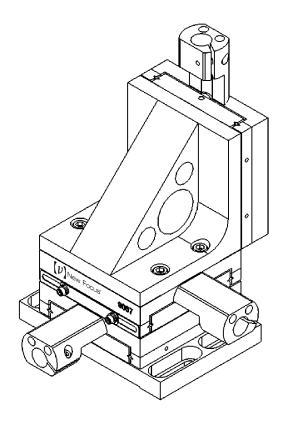
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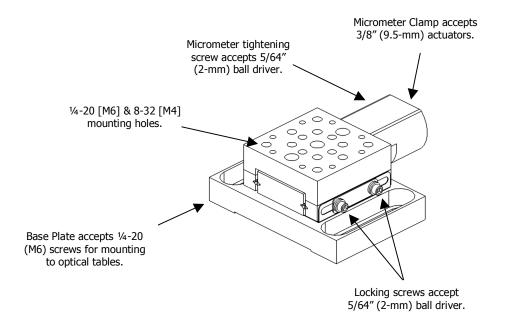
Introduction

The ½" Model 9066 and 1" Model 9067 Precision Stainless-Steel Translation Stages reflect New Focus' dedication to Simply Better™ photonics tools.

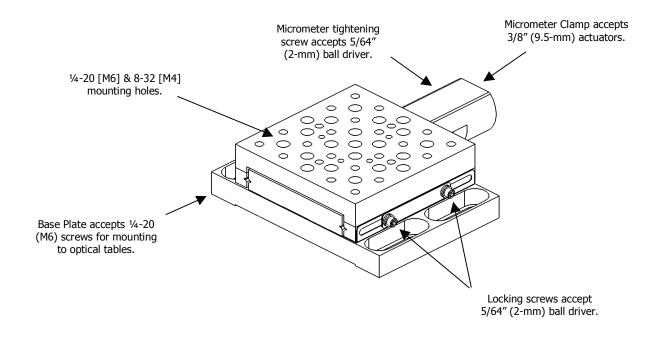
The crossed-roller bearing design with hardened and polished stainless-steel races provides smooth and precise positioning. We hope that you will find these stages to be a valuable and dependable tool in your laboratory.



Two Sizes – Same Features



Model 9066-X

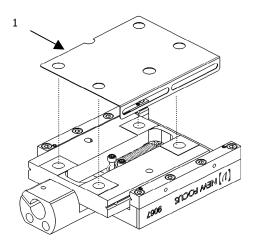


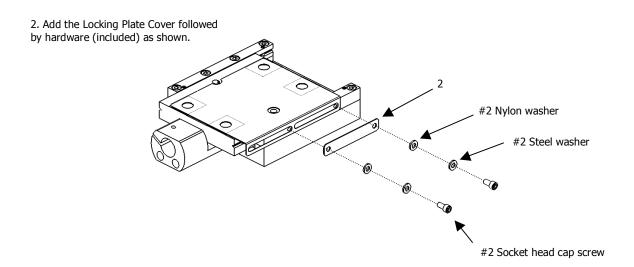
Model 9067-X

Adding and Reconfiguring Stages

Installing or Moving Locks

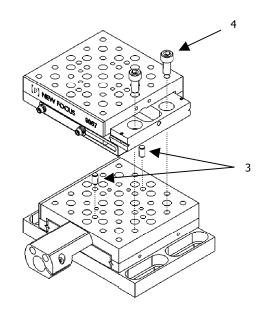
1. Align the Locking Plate with the four screw holes on the bottom of the stage.



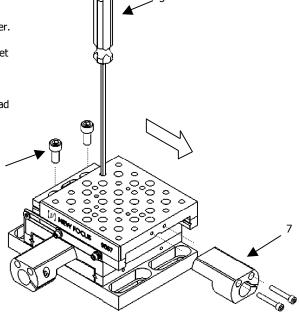


Adding or Reconfiguring an Axis

- 3. Insert two 0.125" dia. x 0.25" long dowel pins (included).
- 4. Align the top stage to the dowel pins and install two socket head cap screws (included see table below for screw size).

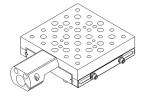


- 5. Slide the stage to the end of its travel and stop the stage by inserting a 5/64" (2-mm) ball driver.
- 6. Secure the stage with two socket head cap screws.
- 7. Attach the micrometer clamp using two #3-48 x 5/8" socket head cap screws (included).

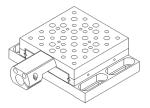


Socket Head Cap Screw Size			
9066	9066-M	9067	9067-M
#4-40 x 3/8"	M2.5 x 8 mm	#8-32 x 3/8"	M4 x 8 mm

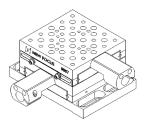
Configurations



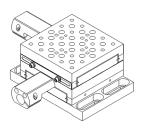
Model 9066-COM and 9067-COM



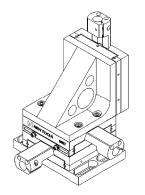
Model 9066-X and 9067-X



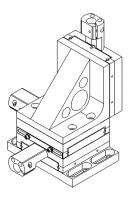
Model 9066-XY-L and 9067-XY-L



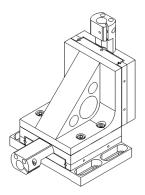
Model 9066-XY-R and 9067-XY-R



Model 9066-XYZ-L and 9067-XYZ-L

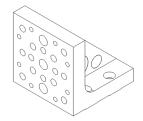


Model 9066-XYZ-R and 9067-XYZ-R

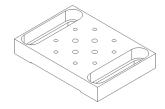


Model 9066-XZ and 9067-XZ

Accessories For Model 9066



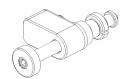
90° Angle Plate Model 9041



Base Plate Model 9042



1/2" Screw Set Model 9301



½" Picomotor™ actuators Model 8301

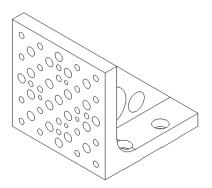


13-mm Micrometer Model 9352

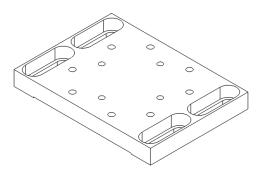


1/2" Closed-Loop Picomotor™ actuators Model 8310

Accessories For Model 9067



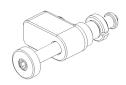
90° Angle Plate Model 9161



Base Plate Model 9160



1" Screw Set Model 9302



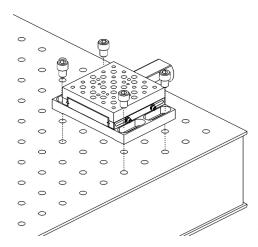
1" Picomotor™ actuators Model 8302



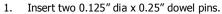
25-mm Micrometer Model 9353

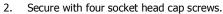
Attaching the Stage to an Optical Table

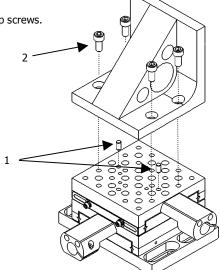
Attach the stage to an optical table using four $\frac{1}{4}$ -20 (M6) screws.



Adding a 90° Angle Plate

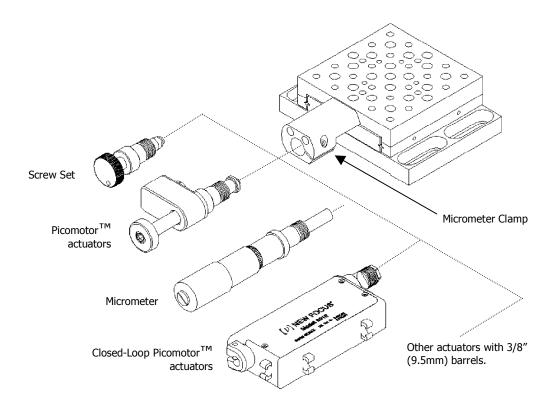






Adding Actuators

The micrometer clamps provided with the stages accept all actuators with standard 3/8" (9.5mm) barrel sizes, including micrometers, fine-pitched screw sets, and Picomotor™ actuators from New Focus.



Specifications

	9066 Series	9067 Series
Maximum travel	0.53" (13mm)	1.03" (25mm)
Angular Deviation, maximum	100 μrad	150 μrad
Straightness	3 μm	3 μm
Flatness	3 μm	3 μm
Load Capacity, centered	25 lbs (111 N)	50 lbs (222 N)
Load Capacity, vertical	10 lbs (44.5 N)	18 lbs (80 N)
Bearing Type	Thermally-matched crossed-roller	Thermally-matched crossed-roller

Customer Service

Technical Support

Information and advice about the operation of any New Focus product is available from our technical support engineers.

Engineers are on duty from 8:00–5:00 PST, Monday through Friday (excluding holidays). For quickest response, ask for "Technical Support" and know the model number of your translation stage.

Phone: (408) 919-1500 Fax: (408) 987-3178

Support is also available by email: techsupport@newfocus.com

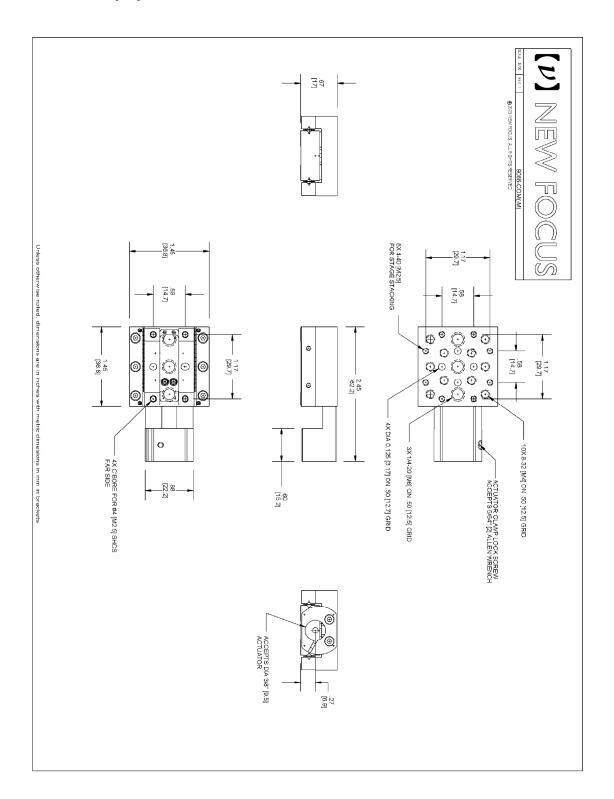
We typically respond to email within one business day.

Service

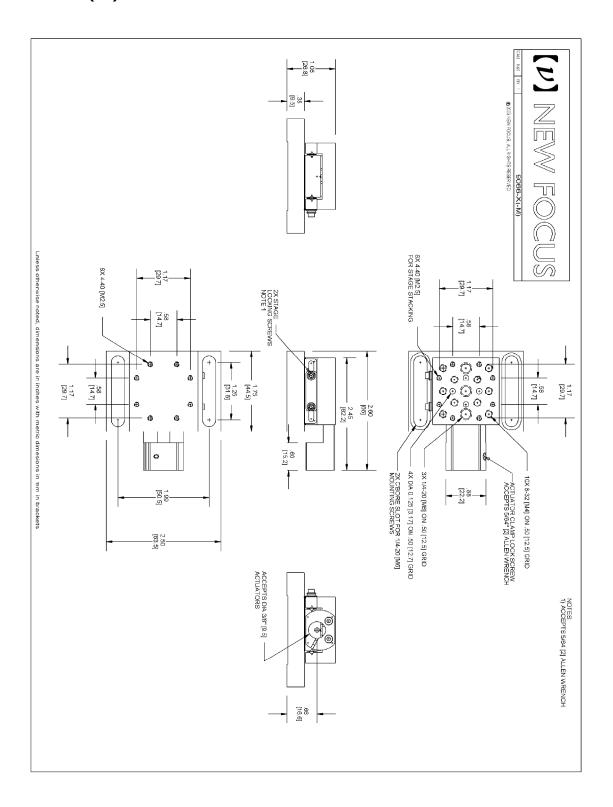
In the event that your translation stage malfunctions or becomes damaged, please contact New Focus for a return authorization number and instructions on shipping the unit back for evaluation and repair.

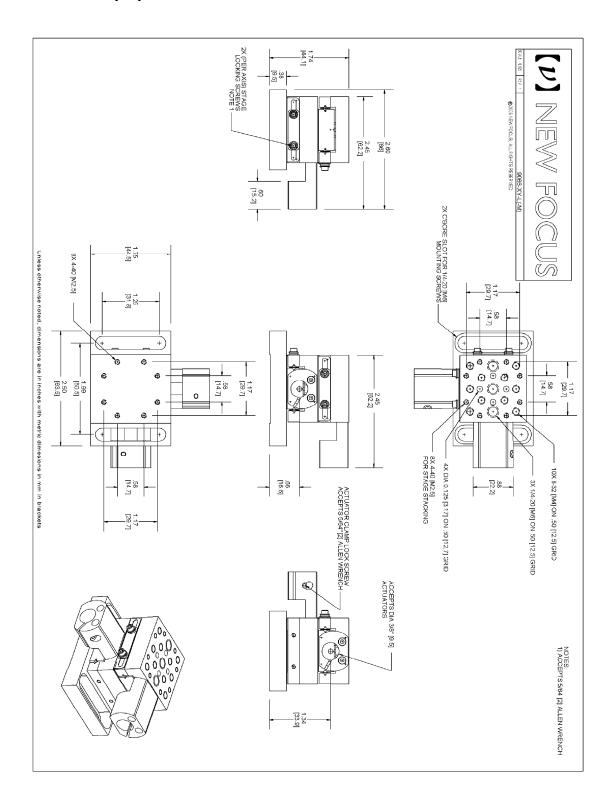
Product Drawings

Model 9066-COM(-M)

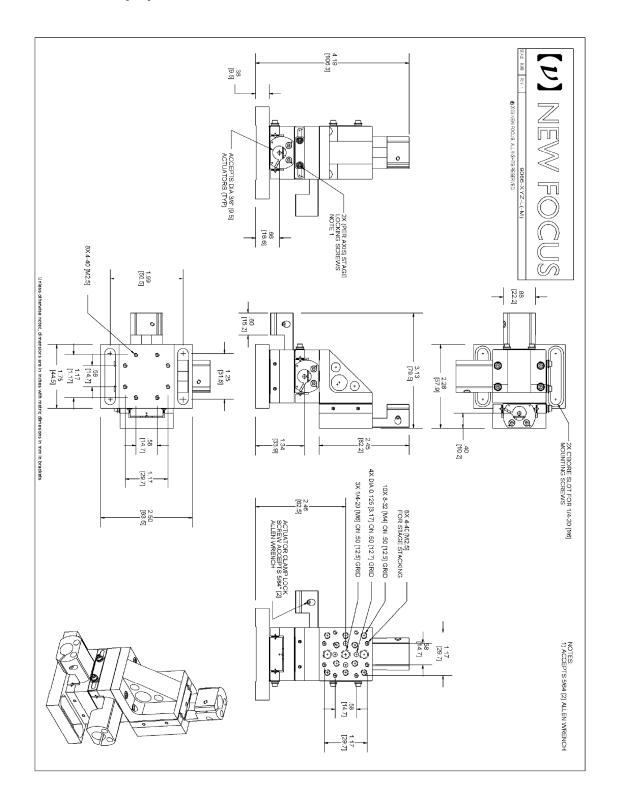


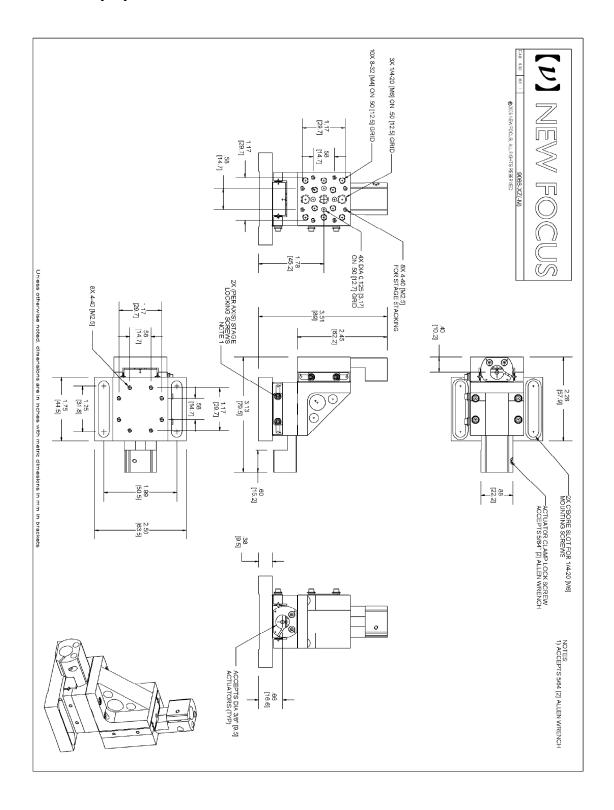
Model 9066-X(-M)



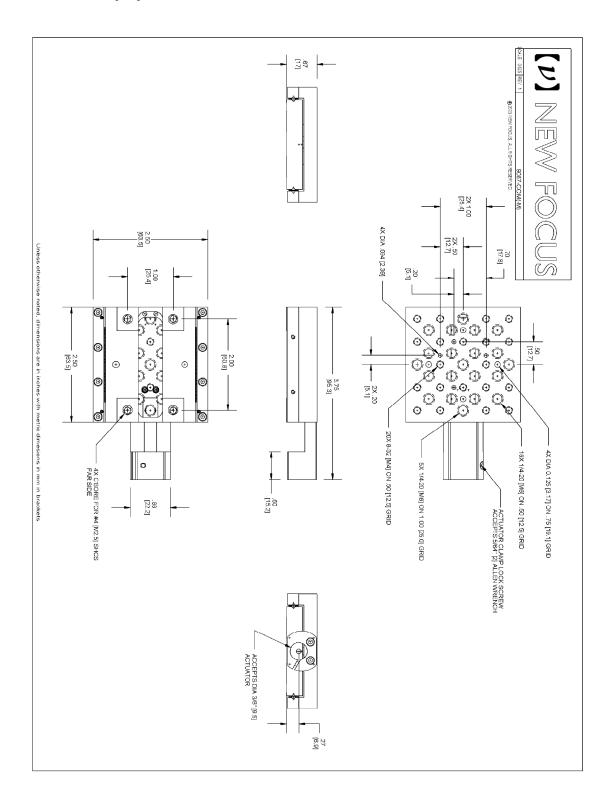


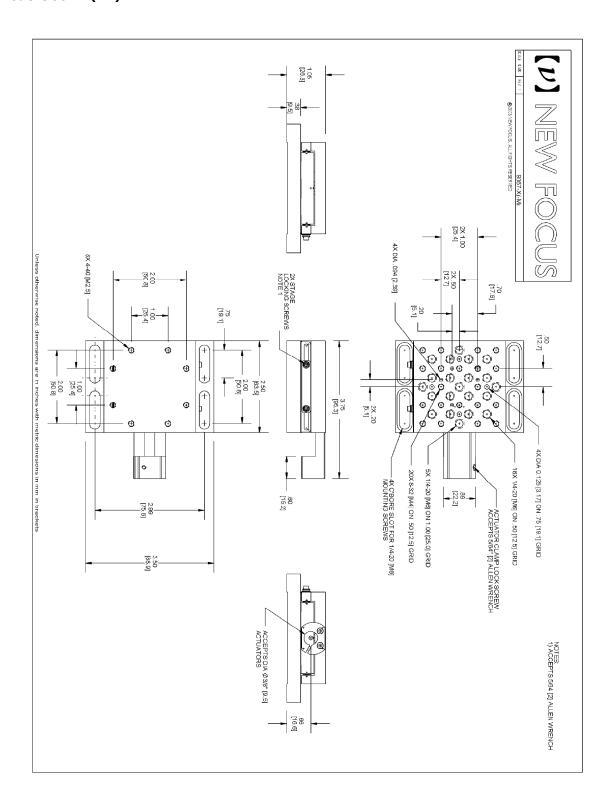
Model 9066-XYZ-L(-M)

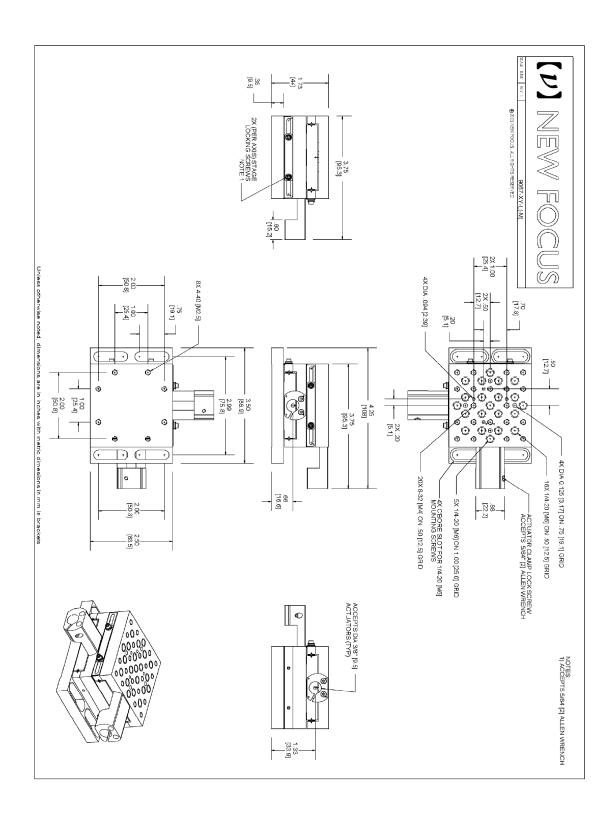


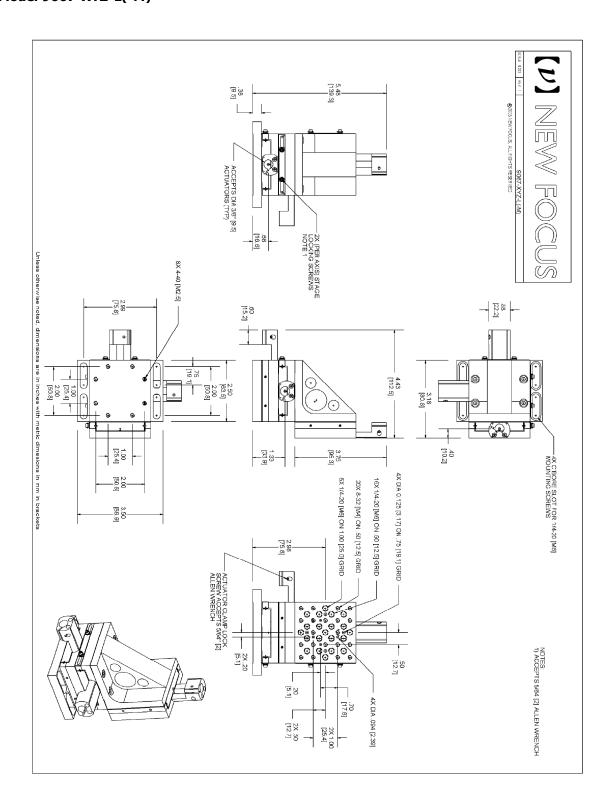


Model 9067-COM(-M)









Model 9067-XZ(M)

