DDSMP1 (/M) Mounting Plate for XY Configuration



Original Instructions

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Chapter 1 Introduction

The DDSMP1 adapter plate enables two stages to be mounted in an XY configuration.

The base of the plate is 6.2 mm thick, giving a working platform height of 76 mm for the dual stage assembly.

The plates are drilled with an array of 1/4”-20 (M6) holes to facilitate stage mounting. The finish is a black, low reflective anodized coating.

Chapter 2 Safety

2.1 Safety Information

For the continuing safety of the operators of this equipment, and the protection of the equipment itself, the operator should take note of the **Warnings, Cautions** and **Notes** throughout this handbook and, where visible, on the product itself.

The following safety symbols may be used throughout the handbook and on the equipment itself.

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Warning: Risk of Electrical Shock

Given when there is a risk of injury from electrical shock.



Warning

Given when there is a risk of injury to users.



Caution

Given when there is a risk of damage to the product.

Note

Clarification of an instruction or additional information.

Chapter 3 Installation

3.1 Installation

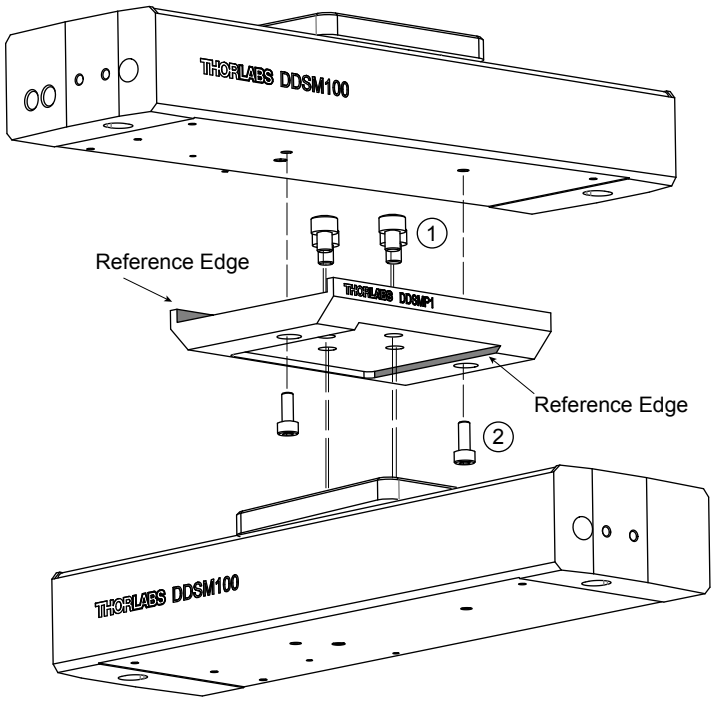


Fig. 3.1 Installation

Caution

During item (1), use the bolts supplied. If these are not available, do not use bolts longer than 3/32” (5 mm) as longer bolts could damage the internal mechanism.

1) Push the stage against the reference edge, then using the four 8-32 UNC (M4) bolts supplied, fit the DDSMP1 plate to the lower stage.

Caution

During item (2), use the bolts supplied. If these are not available, do not use bolts longer than 8 mm as longer bolts could damage the internal mechanism.

2) Push the stage against the reference edge, then using the two M3 bolts supplied, fit the upper stage to the adapter plate.

3.2 Typical Application

When the DDSM100 stage is assembled in an XY configuration, any mounted optical device can then be manipulated accurately in two axes.



Fig. 3.2 Typical Application

Chapter 4 Specifications

Specification	Value
Working Height of Stage Assembly	76 mm (2.99”)
Dimensions	80 mm x 62 mm x 11.5 mm (3.15" x " x 2.44” x 0.45”)
Weight:	0.087 kg (3.06 oz)
Construction	Solid Aluminum
Finish	Black Anodized

Chapter 5 Thorlabs Worldwide Contacts

For technical support or sales inquiries, please visit us at www.thorlabs.com/contact for our most up-to-date contact information.



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