DDS220P1
Mounting Plate for 3-Axis Stages



Original Instructions

Contents

Chaper 1 Overview 1
1.1 Description *1*
Chaper 2 Safety 2
2.1 Safety Information *2*
Chaper 3 Installation 3
3.1 Installation *3*
3.2 Typical Application *4*
Chaper 4 Specifications 5
Chaper 5 Thorlabs Worldwide Contacts 6

Chapter 1 Overview

1.1 Description

The DDS220P1 adapter plate enables a Max3xx or MBT6xx series 3-axis stage to be mounted on top of the DDS220 stage.

The plate is 6.0 mm thick, giving a working platform height of 112.5 mm for the dual stage assembly (optical axis height 125 mm). This is compatible with our MAX6xx series 6-axis stages.

The plates are drilled with an array of 1/4”-20 (M6) holes to faciltate 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

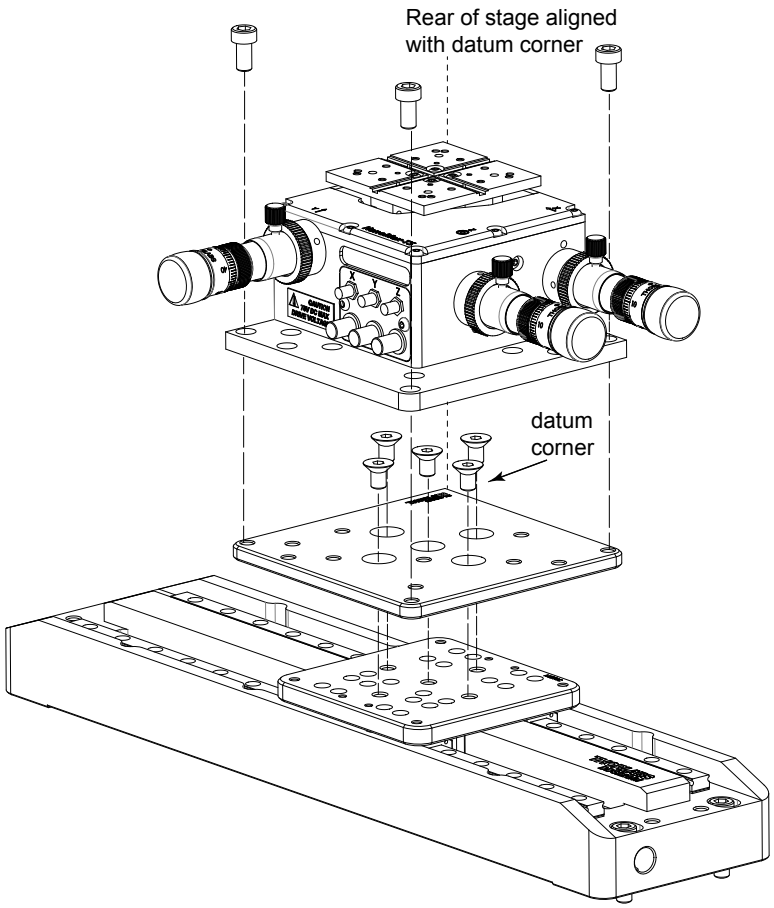


Fig. 3.1 Installation

Regarding Fig 1.2 above:

1) Using the five 1/4”-20 (M6) bolts supplied, fit the DDS220P1 plate to the DDS220 stage.

Caution

During items (2) and (3), do not use bolts longer than 4/5” (20.0 mm) as longer bolts could damage the internal mechanism.

2) If fitting a MAX300 series stage, align the stage with the datum corner and secure using three 1/4”-20 (M6) bolts in holes ‘A’ (see Fig. 1.1).
3) If fitting a MBT series stage, align the stage with the datum corner and secure using three 1/4”-20 (M6) bolts in holes ‘B’ (see Fig. 1.1).

3.2 Typical Application

When mounted on the DDS220 stage, a 3-axis stage can be positioned quickly within the general area of interest. The mounted optical device can then be manipulated accurately using the 3-axis stage actuators.



Fig. 3.2 Typical Application

Chapter 4 Specifications

Specification	Value
Working Height of Stage Assembly	112.5 mm (4.4”)
Optical Axis Height of Stage Assembly	125 mm (4.9”)
Dimensions	112 mm x 112 mm x 6.0 mm (4.4" x 4.4" x 0.24”)
Weight:	0.205 kg (0.45 lb)
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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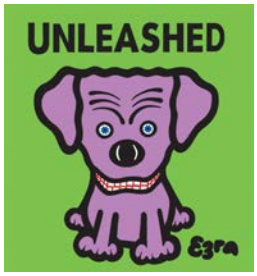
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