DTSA03 - Angle Bracket for DTS25 and DTS50 Stages

For the continuing safety of the operators of the equipment and for the protection of the equipment itself, the operator should take note of the **Warnings, Cautions and Notes** throughout this leaflet, and, where applicable, in any associated literature.

1.1 Introduction

The DTSA03(/M) is used to mount the DTS25 and DTS50 stages at right angles, to build multi-axis configurations.

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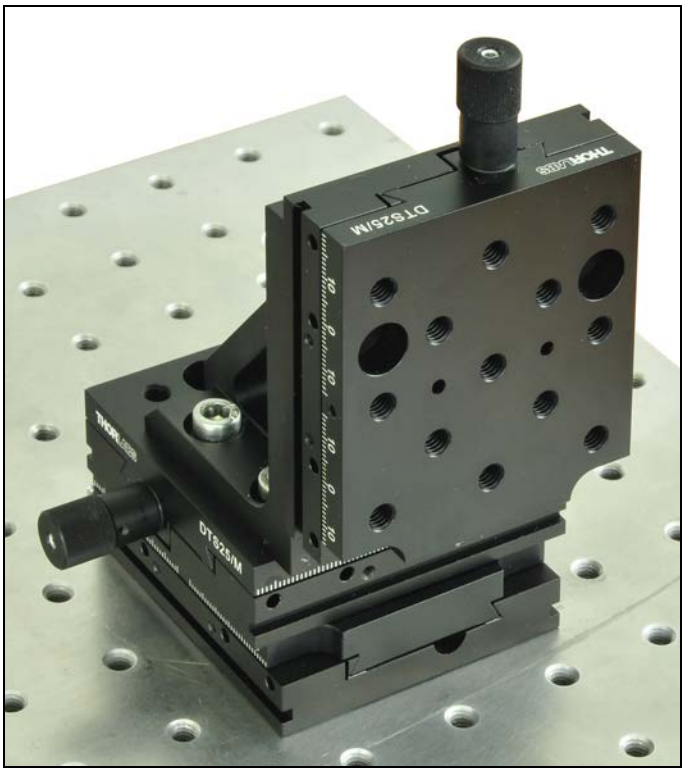


Fig. 1.1 XZ Configuration using DTSA03 Angle Bracket, and Two DTS25 Stages

1.2 Fitting .

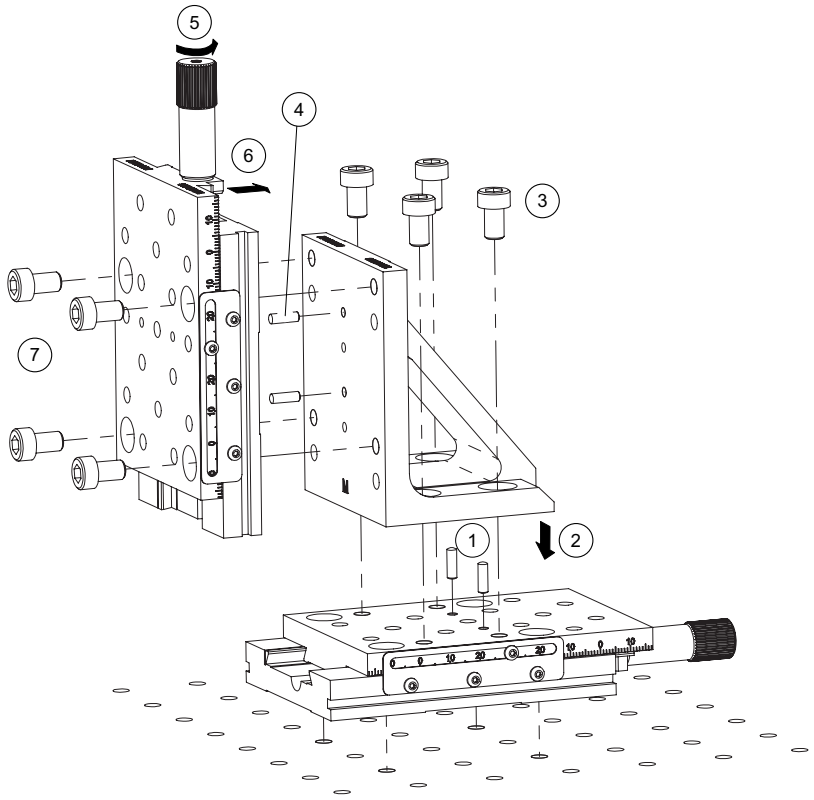


Fig. 1.2 Fitting the DTSA03 Angle Bracket

Assemble an X or XY configuration as detailed in the handbook for the stage then, referring to Fig. 1.2 proceed as follows:

1) Fit the dowels supplied, into the moving platform on the lower stage assembly.
2) Fit the angle bracket (DTSA03) onto the moving platform of the stage, ensuring that the dowels fitted at item (1) locate correctly in the holes on the underside of the angle bracket.

Caution

During item (3) use only bolts of the stated length. Longer bolts will protude into the stage and damage the internal mechanism.

3) Fit four bolts (M6 x 10 or 1/4-20 x 3/8” not supplied), through the holes in the base of the angle bracket, and tighten to secure the bracket to the lower assembly.
4) Fit the dowels supplied to the vertical mounting face of the angle bracket.
5) Adjust the actuator to position the moving carriage of the vertical stage such that the mounting holes in the base are clearly visible through the holes in the top plate.
6) Fit the vertical-axis stage into place ensuring that the dowels fitted at item (4) locate correctly into the holes in the back surface of the angle bracket.

Caution

During item (7) use only bolts of the stated length. Longer bolts will protude into the stage and damage the internal mechanism.

7) Fit four bolts (M6 x 10 or 1/4-20 x 3/8”, not supplied) through the holes in the upper stage and tighten to secure the stage to the angle bracket.

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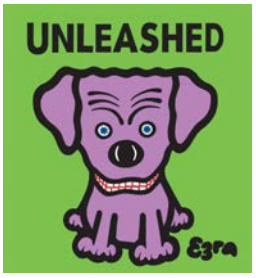
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