

TECHSPEC[®] 125mm, Center Drive, Standard Top, English Stage



TECHSPEC[®] Crossed-Roller Bearing Linear Translation Stages (Standard-Top Model)



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General

Type:

English

Physical & Mechanical Properties

Type of Movement:

Linear (X)

Guide System:

Top View

30 x 24
 30
 24
 8.2
 58.5 (36.9 for Short)
 M6 (1/4-20)
 4 x M2 (#2-56)

Bottom Plate Portion

24
 12.5
 12.5
 24
 4 x M4 (#8-32)
 4 x C bore for M2 (#2-56)

The technical drawings show the dimensions for the Bottom Plate Portion. The Top View shows a square plate with a side length of 30. It has four M2 (#2-56) screws at the corners, with a center-to-center distance of 24. An M6 (1/4-20) screw is used for the top connection, with a height of 8.2. A 24x24 square hole is located in the center. The Bottom View shows the underside of the plate, featuring four M4 (#8-32) screws for mounting, with a center-to-center distance of 12.524. It also shows four 4x4 C-bores for M2 (#2-56) screws. The overall width of the plate is 28.5, and the height of the mounting flange is 22 (17 for Short).

Top View

Technical drawing showing the top view of the 1000 Series 1/2" component. Dimensions include overall width 40, mounting hole spacing 32, 24, and 40. Mounting holes are 4 x M3 (#6-32). A central port is labeled M6 1/4" .20. A side port is labeled 8 x M2 (#2-56). A dimension of 58.8 (93.5 for Ext.) is shown for the side port assembly.

Bottom Plate Portion

Technical drawing showing the bottom plate portion of the component. Dimensions include overall width 32, mounting hole spacing 12.5, and 32. Mounting holes are 4 x M4 (#8-32). A central port is labeled 4 x C bore for M3 (#6-32).

The technical drawings show the Bottom Plate Portion from two perspectives:

- Top View:** A square plate with a central circular hole. It features 8 x M2 (#2-56) screws around the perimeter and 4 x M3 (#6-32) screws at the corners. A threaded section with a 23.5 (51.5 for 6x) diameter is attached to the bottom. Dimensions include 40x40 mm overall size, 32x32 mm hole spacing, 24 mm hole diameter, and 11.3 mm thickness.
- Bottom View:** Shows the underside of the plate with 4 x M4 (#8-32) screws at the corners and 4 x C bore for M3 (#6-32) at the midpoints of the edges. Dimensions include 32x32 mm overall size, 12.5 mm hole spacing, and 32 mm hole diameter.

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The technical drawings show the dimensions for the Bottom Plate Portion. The Top View is a square plate with a width of 70 (2") and a height of 70 (2"). It features a 4 x M3 (6-32) screw at the top left, an 8 x M2 (#2-56) screw at the top center, and an 8 x M6 (1/4-20) screw at the bottom center. The bottom view shows the plate with a 4 x M6 (1/4-20) screw at the top left, an 8 x M6 (1/4-20) screw at the top center, and an 8 x M6 (1/4-20) screw at the bottom center. The bottom view also shows a C-bore for M6 (1/4-20) and a dimension of 25 (1") for the distance from the top edge to the center of the 8 x M6 (1/4-20) screw. The bottom view also shows a dimension of 73.5 (39.0 for Ext.) for the distance from the bottom edge to the center of the 8 x M6 (1/4-20) screw. The bottom view also shows a dimension of 22 for the thickness of the plate.

Top View

Technical drawing showing the top view of the power supply unit. Dimensions include overall width 175, overall height 113, and a central cutout width of 93.5 (179 for Ext.). Mounting holes are specified as 21 x M6 (1/4-20), 8 x M2 (#2, 56), and 4 x M3 (#6-32). A 1000W power supply unit is shown connected to the bottom.

Bottom Plate Portion

Technical drawing showing the bottom plate portion of the power supply unit. Dimensions include overall width 100 (4"), overall height 75 (3"), and a central cutout width of 75 (3"). Mounting holes are specified as 4 x M6 (1/4-20) and 2 x C bore for M6 (1/4-20).

The technical drawings show the bottom plate portion of the enclosure. The **Top View** is a square plate with overall dimensions of 125 inches by 125 inches. It features a central circular cutout with a diameter of 30.32 inches (1 1/4 inches). There are four M2 (#2-56) screws in the center, four M3 (#6-32) screws near the corners, and 21 M6 (1/4-20) screws along the perimeter. A mounting bracket is shown at the bottom center with dimensions 44 inches and 23.5 inches (25.5 inches for extension). The **Bottom View** shows the plate's thickness and the 4x M6 (1/4-20) screws securing it to the chassis. The distance between the screw lines is 75 inches (3 inches).