



AssuredSAN 2-Post Rackmount Bracket Kit Installation

P/N 83-00004647-13-01
Revision B
August 2012

The person using these instructions must be qualified to service and install storage products.

△ **CAUTION:** Two people are needed to lift and move the enclosure. Use care to avoid injury.

Required tools

#2 Phillips screwdriver and antistatic protection devices

Rackmount bracket kit hardware

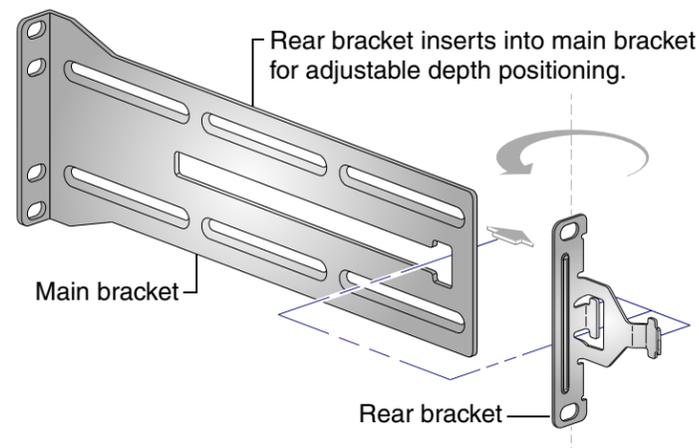
Code	Item description	Qty
Brackets		
-	Main bracket (fixed mount)	2
-	Rear bracket (adjustable mount)	2
Fasteners		
-	Temporary support clips*	2
A	#8-32 x 3/16, FH100, PLP, SS	8
B	#12-24 x 1/2, PH, PLP2, SS, Zinc, SEMS	8
Use fasteners that pertain to your rack type.		

* Certain situations require use of temporary support clips (see Step 3 on flip-side of page).
Alpha codes (in hardware table) correlate to numeric P/Ns within illustrated procedures.

1. Overview

The front-mount rail kit requires side access for installation of bracket screws. A main bracket attaches to each side of the chassis. The figure shows main and rear brackets for the right side of the enclosure. The brackets are symmetrical. The rear bracket's two "T" tabs fit through the main bracket's key hole, allowing the rear bracket to slide within the main bracket's positioning channel (below).

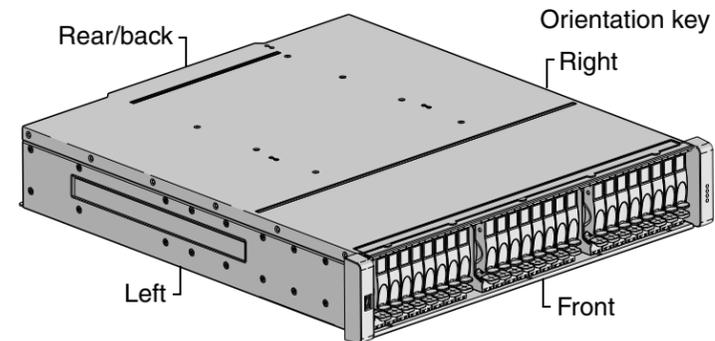
Rackmount bracket kit components



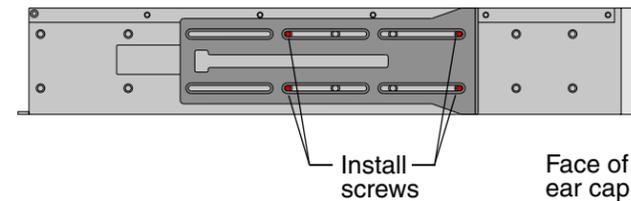
2. Install main brackets

Identify your particular enclosure from product models shown. Once you have identified your enclosure, refer to its pictorial and side views during installation.

24-drive enclosure (standard-depth model)



Newer enclosures use a bezel instead of ear caps.



Code A — P/N:01-00000142

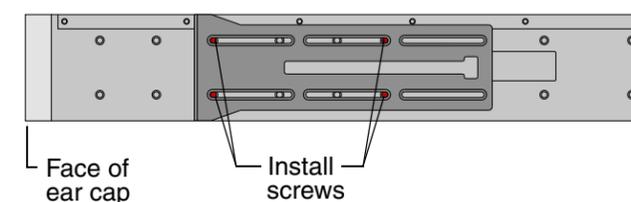
Position the main bracket on the left side of the enclosure as shown above. Mounting slots (*slots* hereafter) align with threaded mounting holes (*threaded holes* hereafter).

1. Align the bracket's leading pair of slots with the third pair of threaded holes from the face of the ear cap.

The bracket's middle pair of slots align to the sixth pair of threaded holes from the face of the ear cap. This mount location supports rear bracket positioning to accommodate a post depth range of 3" to 7."

2. Install four #8-32 x 3/16 flathead Phillips screws into locations shown in red, to secure the bracket to the enclosure wall.

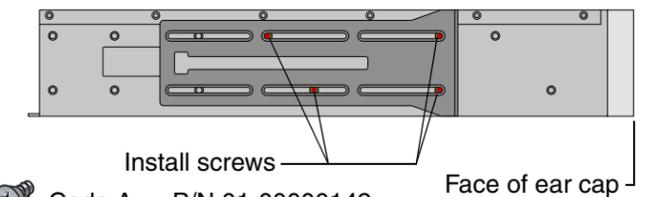
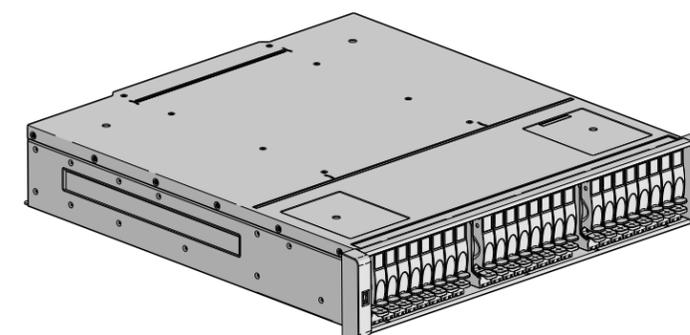
3. Repeat sub-steps 1-2 on the enclosure's right side.



Code A — P/N:01-00000142

Proceed to "Step 3 — Insert enclosure into rack."

24-drive enclosure (reduced-depth model)

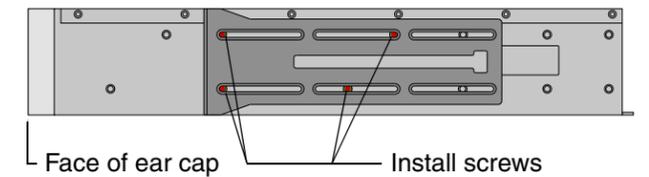


Code A — P/N:01-00000142

1. Align the bracket's leading pair of slots with the first pair of vertically-aligned threaded holes from the face of the ear cap. The bracket's middle pair of slots align to intermediate threaded holes as shown.

2. Install four #8-32 x 3/16 flathead Phillips screws into locations shown in red, to secure the bracket in place.

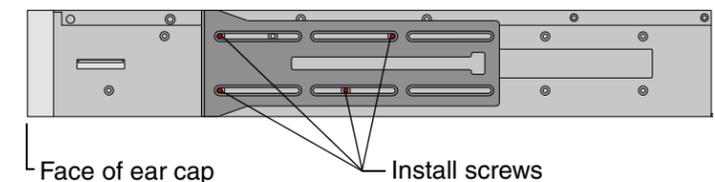
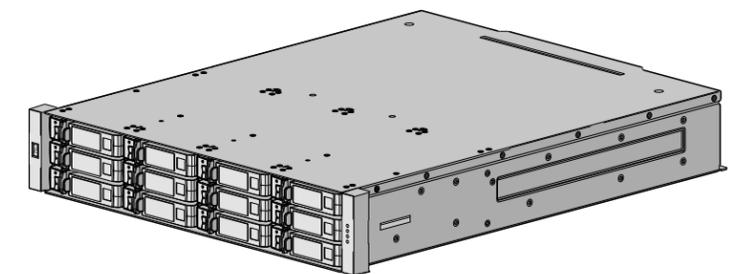
3. Repeat sub-steps 1-2 on the enclosure's right side.



Code A — P/N:01-00000142

Proceed to "Step 3 — Insert enclosure into rack."

12-drive enclosure (standard-depth model)



Code A — P/N:01-00000142

Position the main bracket on the right side of the enclosure as shown above.

1. Align the bracket's leading pair of slots with the fifth threaded hole (a pair) from the face of the ear cap.

The bracket's middle pair of slots each align with a threaded hole. This mount location supports rear bracket positioning to accommodate a post depth range of 3" to 7."

2. Install four #8-32 x 3/16 flathead Phillips screws into the locations shown in red, to secure the bracket to the enclosure wall.

3. Repeat sub-steps 1-2 on the enclosure's left side.
(see left side installation view on flip-side of page)

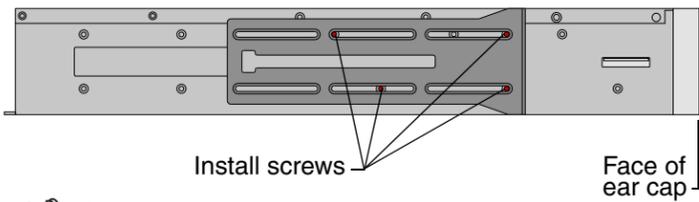
Before you begin

- Verify that the installation site meets the enclosure's requirements for space and airflow, temperature, and power (see the web-posted *setup guide* for your enclosure). See the Dot Hill customer resource center (CRC) for additional information <http://crc.dothill.com>. Select **AssuredSAN & R/Evolution Products > product series > Current Documents**.
- Considering your system configuration and weight distribution, determine where you will install each enclosure within the rack or cabinet. Install the first enclosure in the lowest rack space you plan to use. Install each remaining enclosure into the next-higher available space within the rack, until all enclosures are secured in place.
- Confirm that you have cables of appropriate type and length to connect to hosts and to power outlets.

△ **CAUTION:** Be sure you are properly grounded before touching a static-sensitive component to minimize potential for electronic discharge.

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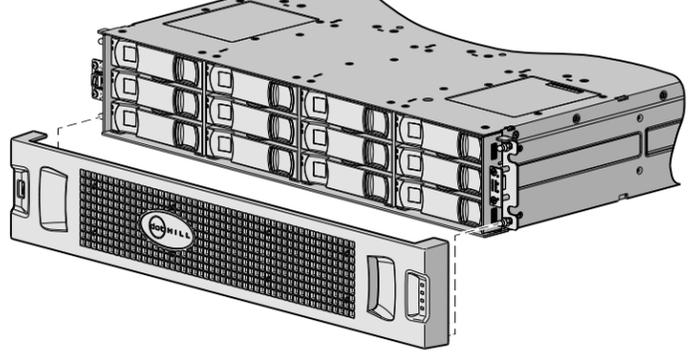
Install screws

Face of ear cap

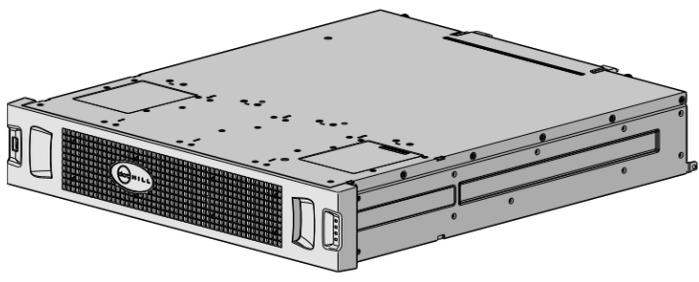
Code A — P/N:01-00000142

Proceed to "Step 3 — Insert enclosure into rack."

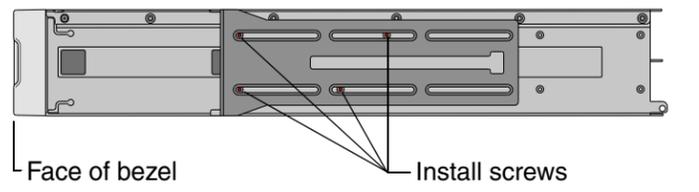
12-drive enclosure (reduced-depth model)



Pictorial views featuring the enclosure front panel with bezel removed (above) and the enclosure assembly with the bezel installed (below) are shown.

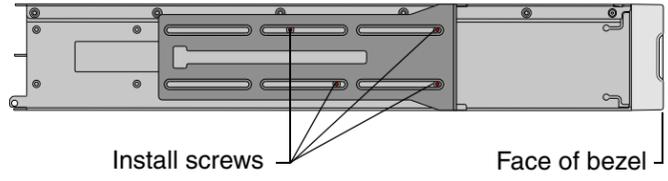


Position the main bracket on the right side of the enclosure as shown below:



Code A — P/N:01-00000142

1. Align the bracket's leading pair of slots with the first pair of vertically-aligned threaded holes from the face of the ear (or bezel). The bracket's middle pair of slots each align to intermediate threaded holes as shown above.
2. Install four #8-32 x 3/16 flathead Phillips screws into the locations shown in red, to secure the bracket to the enclosure wall.
3. Repeat sub-steps 1-2 on the enclosure's left side per the following illustration.



Install screws

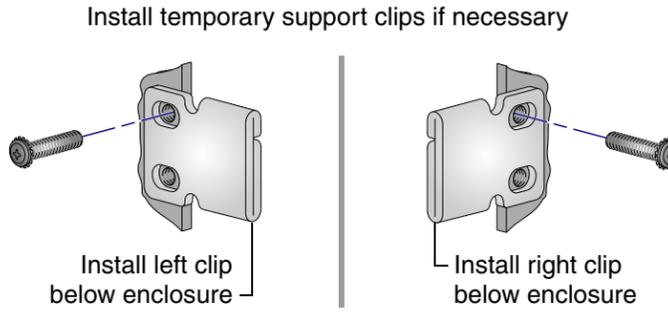
Face of bezel

Code A — P/N:01-00000142

NOTE: With the main brackets securely attached, the enclosure is ready for installation within the rack.

3. Insert enclosure into rack

If necessary, remove field-replaceable units (FRU components) from the chassis to reduce enclosure weight. If an open space exists beneath the enclosure you are installing — attach a temporary support clip to each side of the rack — to bear the unit's weight while installing screws.

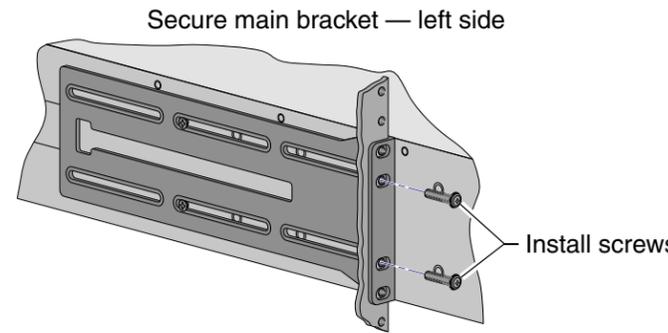


Code B — P/N:01-00000527-00-01

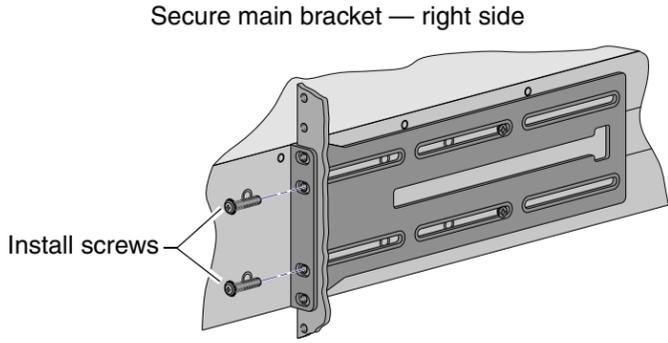
1. When using temporary support clips, position them at the front of the rack as shown, and install one #12-24 x 1/2 SEMS screw through the top hole of *each* clip. The clip's vertical flange abuts to the vertical rack column of mounting holes to prevent clocking under the weight of the enclosure.
2. Orient the front of the enclosure with the front of the rack, and insert the enclosure into the rack opening. Ensure that the enclosure is level.

CAUTION: Posts or mounting brackets might bend if the chassis is not level when inserted and secured.

Ensuing illustrations show attachment points for the left and right main brackets relative to the *front* view of the enclosure within the rack (24-drive enclosure shown).



Code B — P/N:01-00000527-00-01



Code B — P/N:01-00000527-00-01

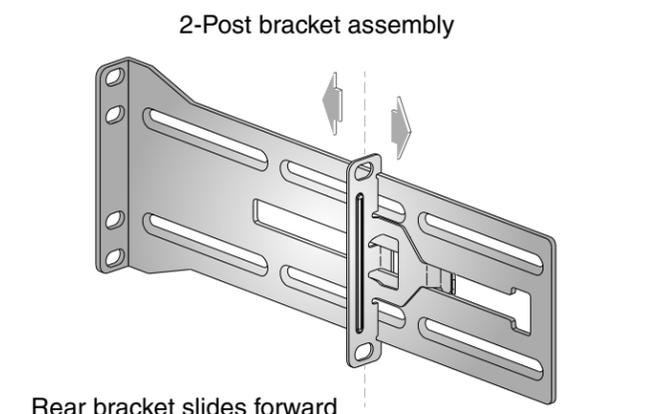
3. Install four #12-24 x 1/2 SEMS screws (two per bracket) into the locations shown, to secure each main bracket mounting flange to the rack.
4. If you installed temporary support clips — remove them now — and store them for future use. You will reuse the screws in the next step.

4. Insert the sliding rear bracket

The exploded view of the bracket components on page one illustrates actions required for inserting the rear bracket tabs into the main bracket's key hole. Perform the following sub-steps for *each* side of the enclosure.

1. Revolve the rear bracket about its vertical axis to enable insertion of the front "T" tab through the main bracket's key hole (shown on page one). Use *clockwise* rotation when installing the rear bracket on the left side of the enclosure, and *counter-clockwise* rotation when installing the rear bracket on the enclosure's right side.
2. After the rear bracket's front "T" tab passes through the main bracket's key hole, continue to revolve the rear bracket, and guide the second "T" tab through the key hole.

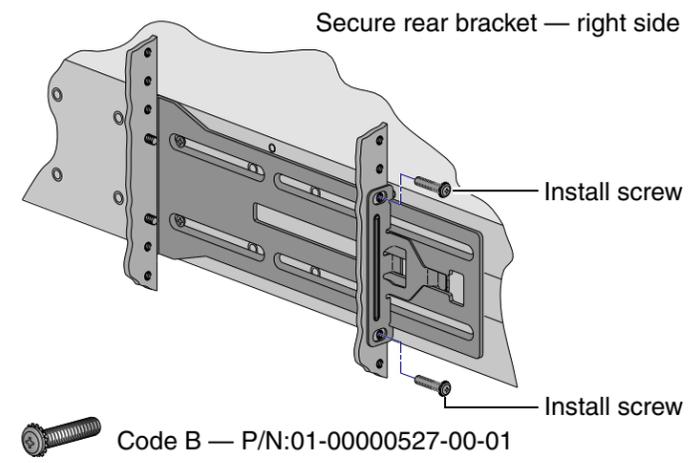
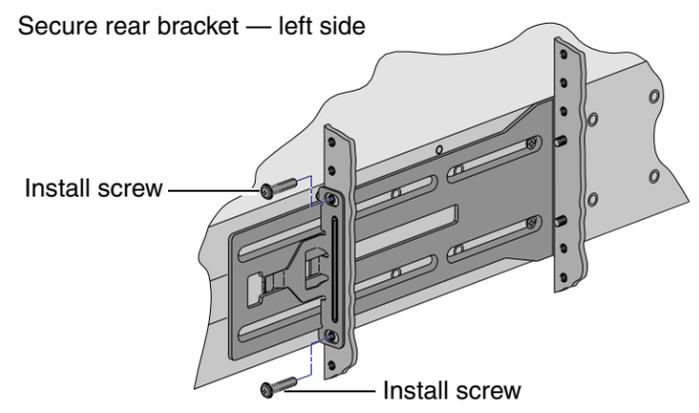
Once both of the rear bracket's "T" tabs have passed through the main bracket's key hole, the rear bracket should be aligned parallel to the enclosure wall.



3. Slide the inserted rear bracket forward, into the main bracket's longitudinal positioning slot, as shown above.

5. Secure enclosure within the rack

The following illustrations show attachment points for the rear brackets relative to a *rear* view of the enclosure.



The example illustrations (above) show a 24-drive enclosure with the rear bracket set at a 7" post depth. Perform the following sub-steps for *each* side of the enclosure.

1. Slide the rear bracket into place to align with the post's mounting holes.
2. Install four #12-24 x 1/2 SEMS screws (two per bracket) into the locations shown, to secure each rear bracket mounting flange to the rack post.
3. If any FRUs were removed from the chassis to facilitate enclosure installation, re-install them now.

6. Next steps

Perform the following steps to finish the installation of the storage system components:

1. Install any additional disk drives and options per instructions provided with the options.
2. See your enclosure's installation instructions or setup guide for cabling and power cycling details.
3. Upon successful completion of the hardware installation, use the storage system's web-based management interfaces to configure and provision the system.