



Heavy Duty Chassis Slide Rails for Cubix's Density Series 1210 Systems

OVERVIEW

The chassis slide rails and end brackets secure the chassis to a Cubix Precision Rack (or other RETMA-standard rackmount systems). These heavy duty ball-bearing chassis slide rails allow for easy, safe access to the Density Series 1210 Systems as well as providing a solid support slide for Density systems.

There are four parts to the slide rails: the inner slide rail, the middle slide rail, the ball bearing slide and the outer slide rail. The inner slide rail is to be mounted onto the chassis. The outer slide rail is to be installed in the cabinet. The middle slide rail and the ball bearing slide are permanently affixed to the outer slide rail and the release lever on the inner slide rail allows the Density Series' system to be inserted or removed. The inner slide rail has a lock, which prevents the chassis from being accidentally pulled out and dropped from the cabinet.

The following instructions are provided for your convenience in the event you are adding a Density 1210 chassis to your Precision Rack Series cabinet. It should be noted that if this slide rail set is added to a RETMA standard rackmount system other than the Cubix Precision Rack cabinets, the customer assumes full responsibility for appropriate adjustments for proper fitting of the rails within the cabinet, as these instructions pertain specifically to the Cubix Precision Rack Series.

URAILSS-BB (Parts List)

<u>Description</u>	<u>Part Number</u>
Slide Rails (Set of 2) see Figure 1	222-SLIDEHDBB-26
End Brackets (Set of 4) see Figure 2	300-S18500A
8-32 1/4" Phillip's screws (10)	
Keypnuts (10)	
10-32 3/8" Flathead screws (8)	
Keypnuts (8)	
Threaded Spacers (4) (Figure 3)	

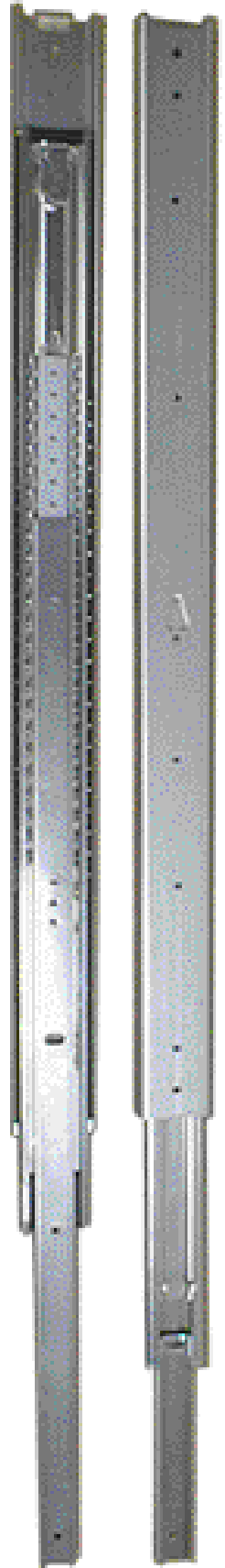


Figure 1 - Heavy Duty Density Slide Rails



Figure 2 - End Brackets



Figure 3 - Threaded Spacer

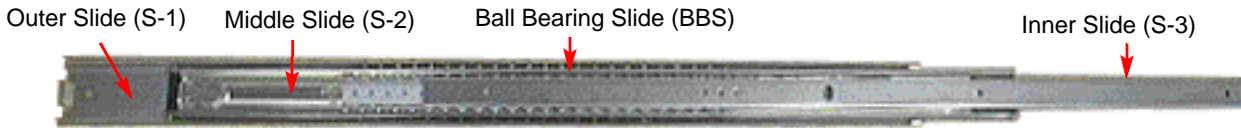


Figure 4 Slide Rail Parts - Outer Slide (S-1) and Middle Slide (S-2), Which are permanently attached, Inner Slide (S-3) and Ball Bearing Slide (BBS)

Procedure

Step 1 – Install Inner Slide Rails on Density Drawer [Note: The Inner Slide rails may already be attached to your Density drawer.]

- a. Figure 4 shows the 4 pieces comprising each Slide Rail (S-1, S-2, S-3 and BBS). Remove the inner slide from each rail set. This is done by extending the inner slide and middle slide as far out as they will go naturally. When the inner slide is pulled out as far as it will go, there will be a metal Release Lever exposed on the inner slide (see Figure 5). The release lever must be held down and the inner slide pulled at the same time, until the inner slide has released. The inner slide can then be completely removed by simply pulling the inner slide until it separates from the middle slide rail.



Figure 5 - Inner Slide (S-3) Release Lever
(Outside View, with S-3 detached from S-1 and S-2)

- b. To attach the inner slide to the Density drawer, place the inner slide with the release lever facing out. The protruding end of the release lever will be closest to the front of the Density drawer (see figure 6). Line up the inner slide with the cut-out holes on each side of the Density drawer.

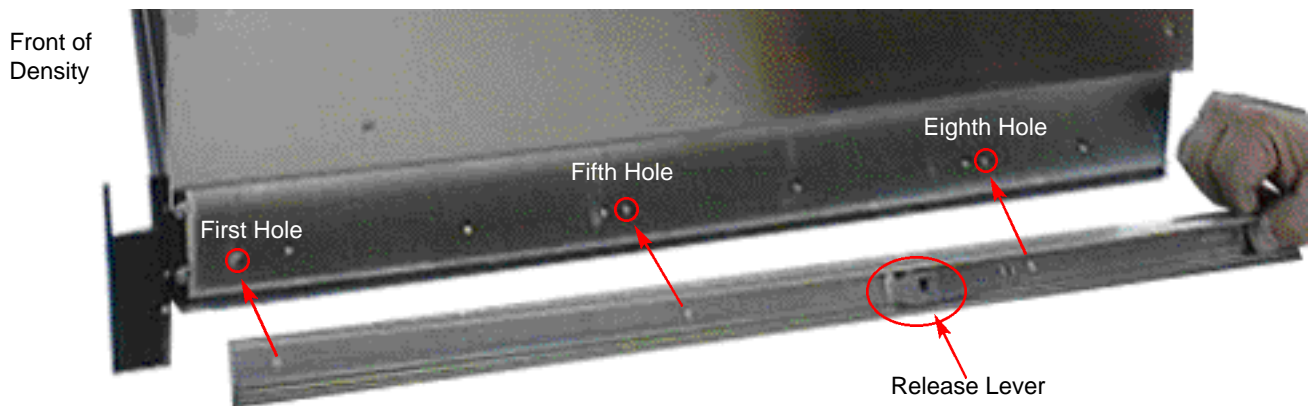


Figure 6 - Inner Slide Placement (Positioning the Inner Slide Rail on the Density 1210 System)

- c. Place three screws (8-32's) into the holes that are designated in Figure 6, for proper fitting of the inner slide to the Density drawer. Tighten the screws.
- d. Attach the second inner slide to the other side of the Density drawer by following steps 1-a, 1-b and 1-c above.

Step 2 - Attach the 4 Extender Brackets to the Precision Rack cabinet.

- a. To make the installation easy, open the front and rear doors of the Precision Rack Cabinet. Remove the side panels.

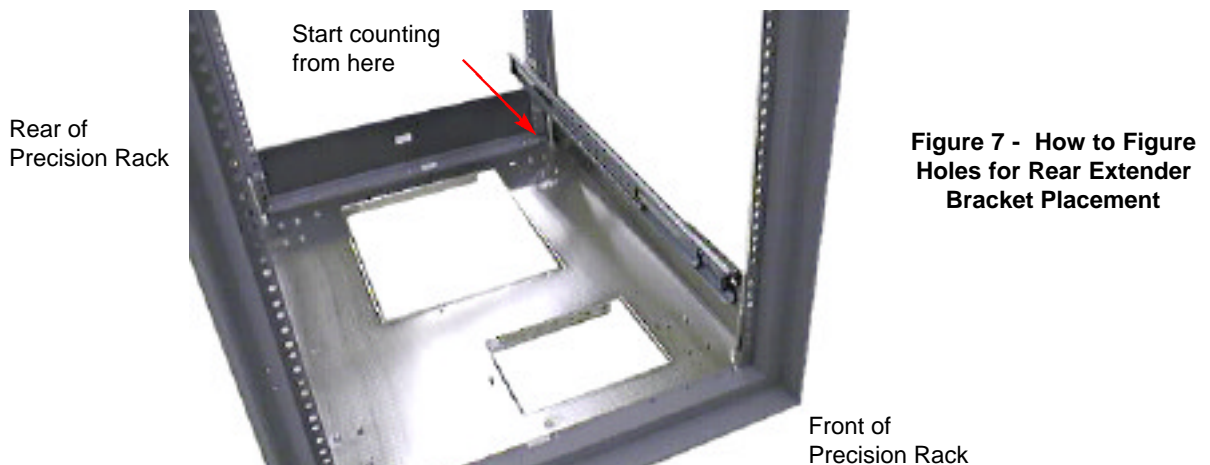
Note!

It is recommended that the Density drawers be installed starting from the bottom of the cabinet. This ensures cabinet stability, as the weight of a fully loaded Denisty is approximately 130 pounds and may cause the Precision Rack cabinet to tip forward.

The Precision Racks come equipped with Spacer Bars between each Density system. The holes for the first set of extender brackets (which will go in front) will be 2nd and 3rd holes above the bottom Spacer Bar.

Table 1 below shows the holes to use for the rear extender brackets. Figure 7 shows how to count the holes from the back of the Precision Rack. If you are replacing existing slide rails which contain a Density System, simply mark the holes where the brackets currently are, and use the same holes.

Table 1 - Holes for Bracket Placement			
Drawer Sequence (Starting from Bottom)	Rail Placement for 6-Drawer Cabinet	Rail Placement for 3-Drawer Cabinet	Rail Placement for 2-Drawer Cabinet
1	Holes 2 and 3	Holes 2 and 3	Holes 2 and 3
2	Holes 26 and 27	Holes 26 and 27	Holes 26 and 27
3	Holes 50 and 51	Holes 50 and 51	
4	Holes 74 and 75		
5	Holes 98 and 99		
6	Holes 122 and 123		



- c. To attach the 1st Extender Bracket to the Front of the Precision Rack Cabinet, insert a 10-32 Flathead screw into each hole, from in front of the rail. Place a Threaded Spacer (see Figure 8) behind the rail, making sure the thick edge is facing the inside of the cabinet. Screw the 10-32's into the Threaded Spacers, leaving a gap for the Extender Bracket. Slide the lip end of the Extender Bracket over the screws, behind the rail and in front of the Threaded Spacer (see Figure 8). As you tighten the screws, push the Threaded Spacer firmly to the inside of the cabinet, and push the Extender Bracket firmly to the outside of the cabinet. This will allow for proper spacing.

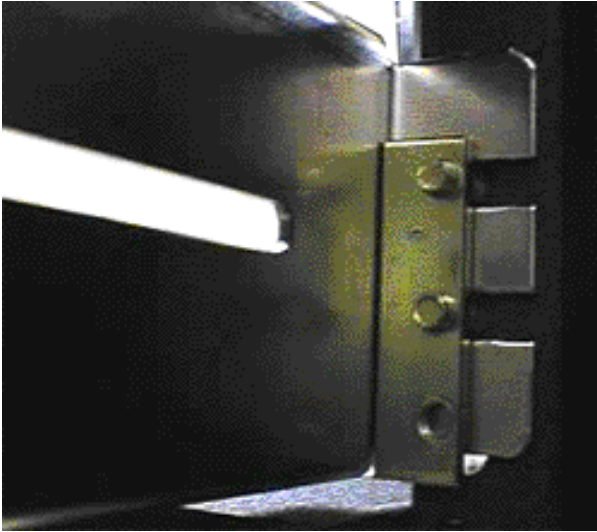


Figure 8 - Extender Bracket and Threaded Spacer Attached to Precision Rack Rail

- d. Attach 2nd Extender Bracket to the Front of the Precision Rack Cabinet. Follow the instructions in Steps 2-b and 2-c.

- e. Attach 3rd and 4th Extender Brackets to the Rear of the Precision Rack Cabinet. Select the appropriate holes on the Precision Rack rail according to Table 1 and Figure 7. Follow the directions in step 2-c above.

Step 3 – Attach Slide Rails to extender brackets.

- a. Remove one slide rail from the package. Placement of the slide rail will be so the middle slide can extend out the front of the Precision Rack, and the back of the outer slide is against the extender bracket. See Figure 9.

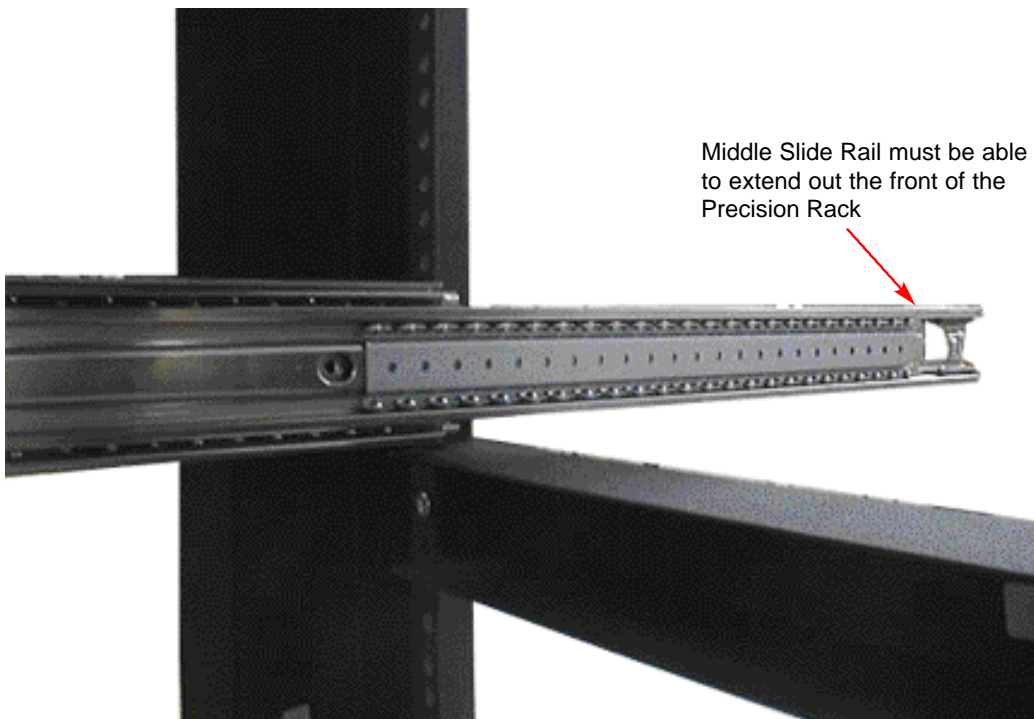


Figure 9 - Rail placement in the Precision Rack

- b. From the rear of the slide rail, push the middle slide forward until you can see the third hole of the slide rail (see Figure 10). Use an 8-32 screw. When the screw comes through the first slot in the extender bracket, put a kepnut on the end of it (with lock to the inside) and finger-tighten (see Figure 11). Put an 8-32 screw into the fourth hole. Make sure the screw comes through the second slot in the Extender Bracket (Figure 11). Place a kepnut on the end and finger-tighten.

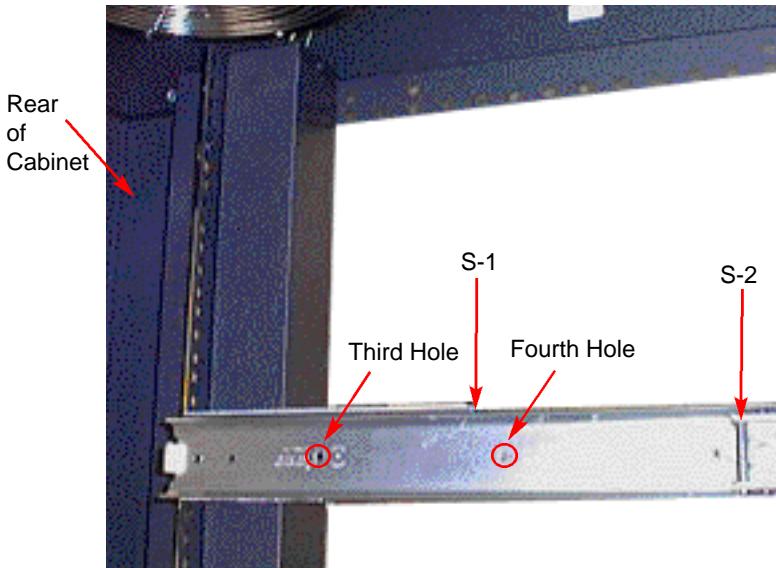


Figure 10 - Attaching Outer Slide Rail to Extender Bracket
(Use Holes 3 & 4) (View of Inside of Outer Rail)

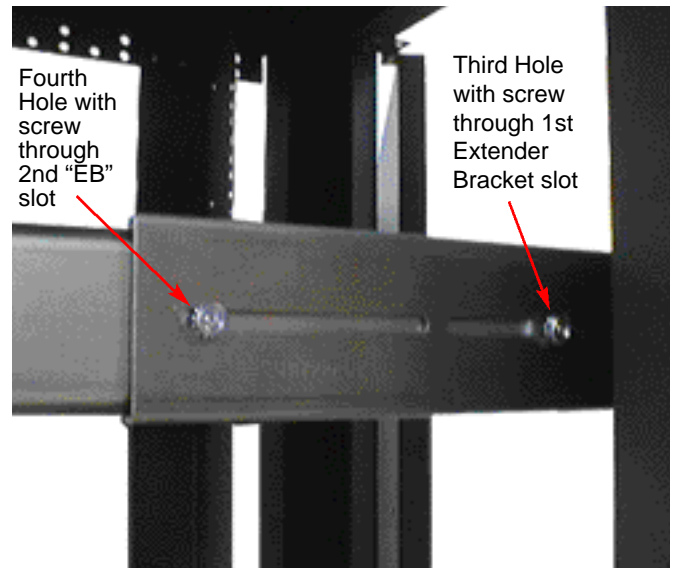


Figure 11 - Screws Through Rear Extender Bracket Slots
(View of Outside of Outer Rail)

- c. From the front of the Precision Rack, pull the ball bearing slide all the way forward so the round hole on the middle slide is exposed through the round hole of the middle slide. Push the middle slide forward until the second hole on the outer slide is exposed (see Figures 12 and 13). Put an 8-32 screw into the hole from the inside (see Figure 13). Place a kepnut on the end, making sure the screw comes through the first slot in the extender bracket, and finger-tighten. Find the third hole from the front of the slide rail (see Figure 13). Push the middle slide back until the third hole is exposed. Put an 8-32 screw into the hole, making sure the screw comes through the second slot in the extender bracket. Place a kepnut on the end and finger-tighten.



Figure 12 - Outside View of Outer Slide

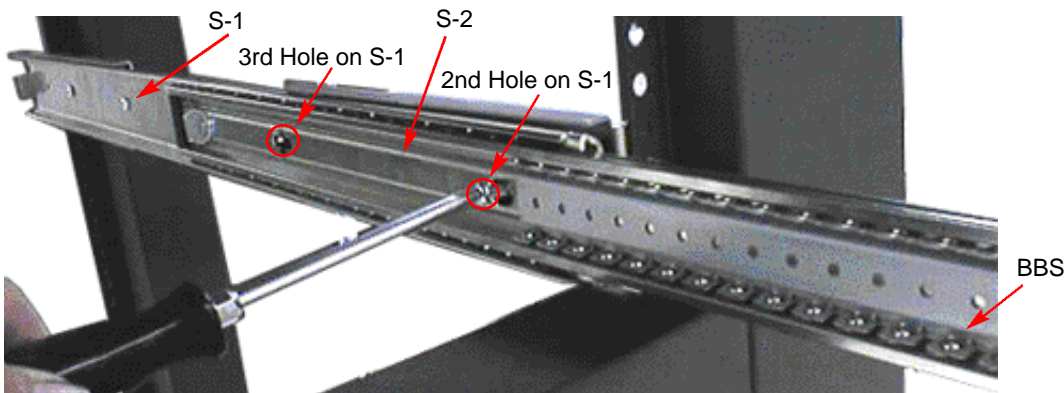


Figure 13 - Inside View of Outer Slide

- d. Remove 2nd slide rail from the package. Placement of the slide rail will be so the middle slide can extend out the front of the Precision Rack, and the back of the outer slide is against the extender brackets.
- e. Follow the instructions in steps 3-b and 3-c to attach the 2nd slide rail.
- f. Before tightening down the slide rails to the extender brackets, you will measure the distance from the end of the rear of each extender bracket to the first screw. The measurement will be 2". (see Figure 14). Tighten down all screws extending out the extender brackets.

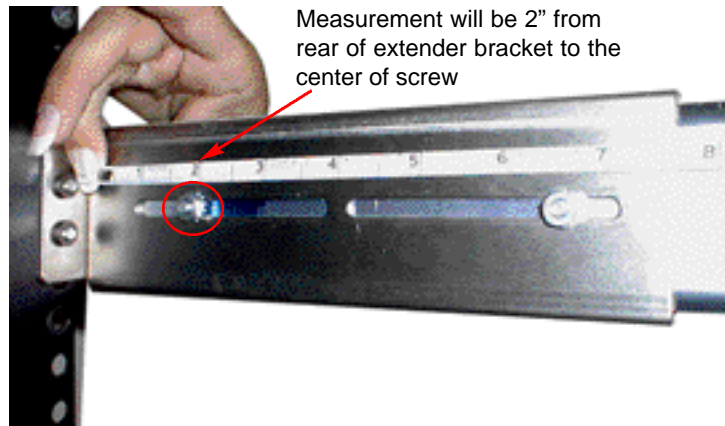


Figure 14 - Measurement for Final Slide Rail Placement
(Outside View of Extender Bracket)

Step 4 – Inserting Drawer into Cabinet

- a. Before inserting the Density drawer into the Precision Rack cabinet, it is recommended that the Precision Rack cabinet be secured to the floor. If the weight of a Density drawer is placed on fully extended rails and the cabinet is not secured to the floor, the weight of the drawer could cause the cabinet to tip forward.
- b. It is recommended that at least two persons carry the Density drawer.
- c. Place the inner slide rails into the groves of the middle slide rails. Slide the Density drawer as far in as it will go. Check to make sure the inner slide is seated inside the ball bearing slide or the drawer will not close. Press release levers on inner slides. Slide the Density drawer completely into the cabinet.
- d. Replace the front, back and side doors on the Precision Rack cabinet.

If you have any questions, please contact our customer service department.
Contact information is listed on the following page.

FOR CUSTOMER SERVICE INFORMATION:

Call our Customer Service Dept: 1-800-829-0551

Customer Service available from:

5:00 a.m. to 5:00 p.m. PST Monday through Friday

Also, from 8:00 a.m. to 4 p.m. PST on Saturday

Closed holidays and holiday weekends

Use the Cubix Web site for trouble-shooting aids and for access to the latest information on Cubix products.

Customer Service Web site: <http://www.cubix.com/support>

Customer Service Email address: customerservice@cubix.com