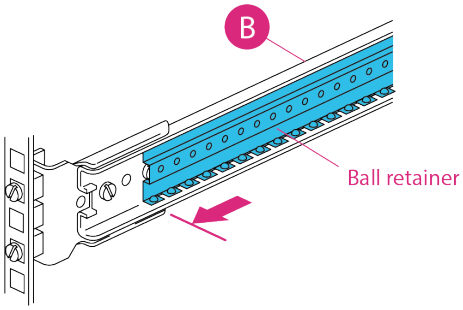
6. Before sliding the module into the rack, ensure that:

   - The ball retainer for each of the outer slide rails (B) is drawn forward to the very front of the rack, Figure 6. You can damage the slide rails if the inner slide rails (A) do not connect properly with the ball retainers.
   - The module is perfectly horizontal and parallel to the rails.
     Positioning the module correctly means that the movement of the ball retainers is synchronized as you slide the module into the rack. Careful positioning also helps to protect the rails from damage caused by misalignment.

   Note: Two competent persons are required to lift the module when sliding it into a rack.

   Be careful of sharp edges when disassembling and assembling the slide rail components.

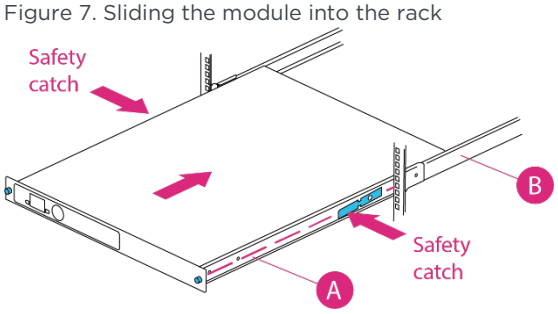
   Figure 6. Drawing the ball retainer to the front of the rack



7. After ensuring that the inner slide rails (A) have connected properly with the outer slide rails (B), slide the module into the rack until the module is stopped by the spring safety catches, Figure 7.

   Push the spring safety catches inwards (towards the module) and carefully slide the module into the rack. Take care to avoid trapping your fingers.

   Figure 7. Sliding the module into the rack



8. After ensuring that the slide rails are fitted correctly, tighten the front fillister head screws (I).

   Note: The module must protrude from the rack sufficiently to allow screwdriver access to the fillister head screws (I).

9. Slide the module into the rack fully and use the two thumb screws on the front of the module to lock it into position.

   When you slide the module into the rack for the first time, the last few inches of travel may experience some resistance because the ball retainers meet their backstops. Subsequent insertion and extraction of the module should be smooth as the ball retainers take up their correct position within the rails.

ENTRUST

Entrust nShield® Connect Slide Rail Kit

These instructions describe how to use the slide rails to install an nShield Connect, referred to as a module in this sheet, in a 19" rack with rectangular cut-outs. For other types of rack, consult your rack vendor for assistance.

Stability hazard

The rack may tip over causing serious personal injury.

Do not put any load on the slide-rail mounted equipment in the extended position.

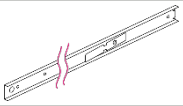
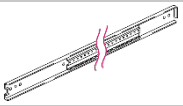
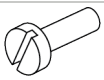
Do not leave the slide rail mounted equipment in the extended position.

Before starting the installation, ensure you read the preparatory information and safety warnings in the *nShield Connect Warnings and Cautions*.

Be careful of sharp edges when disassembling and assembling the slide rail components.

When you install the module, ensure that the mechanical loading on the rack is evenly distributed, and that the module is positioned horizontally from front to back and from left to right.

Slide rail components referenced in this procedure:

Component	Description	Number of components	Key to figures
	Inner slide rail	2	A
	Outer slide rail	2	B
	Mounting bracket (front)	2	C
	Mounting bracket (rear)	2	D
Fully assembled, the inner slide rail (A) and the outer slide rail (B) create a 26" telescopic runner.			
To fix the mounting brackets to the outer slide rails:			
	Pan head screw M4 x 8mm	8*	E
	Nut M4	8*	F
	Washer M4	8	G
To fix the completed outer slide rails to the rack:			
	Nut bar	4	H
	Fillister head screw 10-32 x 0.5" LG slotted	8*	I
	Cage nut narrow M6	10‡	J
To fix the inner slide rails to the sides of the module:			
	Pan head screw M4 x 6mm	10‡	K

* In the bag marked DZ63460-4. ‡ In a separate bag.

You require these tools to carry out the installation:

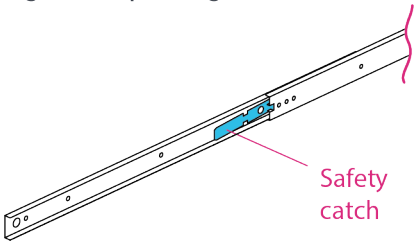
- Slotted screwdriver
- 7mm spanner
- Cage nut insertion tool
- Tape measure or ruler

Installation

To install the module in the rack using the slide rails:

1. Depress the safety catch, Figure 1, on each of the runners to separate them into their component parts (inner and outer slide rails).

Figure 1. Separating the runners

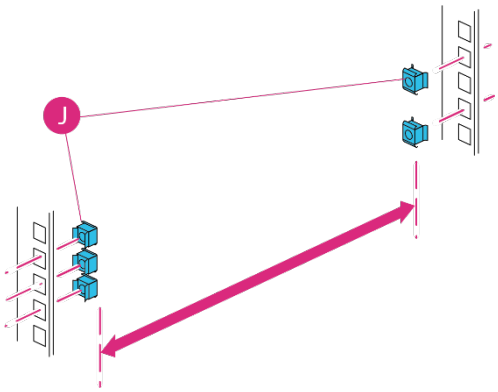


2. Fit the cage nuts (J) to the rack, Figure 2. The cage nuts help secure the outer slide rails (B) to the rack. To both the left and right sides of the rack, you must fit:
   - Three cage nuts (J) into the cut-outs at the front
   - Two cage nuts (J) into the cut-outs at the rear

   Note: The cut-outs might be grouped into repeating patterns. If so, ensure that the cut-out spacings match the rail fixing holes.

   In Figure 2, the two-headed arrow indicates the distance between the inside faces of the front and rear cage nuts. Measuring this distance can help you adjust the outer slide rails (B) to the correct length for your rack (see Step 4).

Figure 2. Fitting the cage nuts into the rack cut-outs

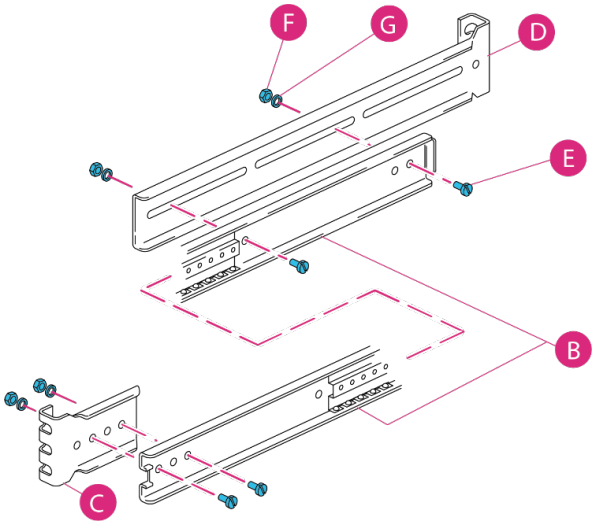


3. Fit the front (C) and rear (D) mounting brackets to each of the outer slide rails (B), using the supplied M4 x 8mm pan head screws (E), M4 nuts (F), and M4 washers (G). Fit the screws so that the nuts and washers are on the **outside** of the rail assembly, Figure 3.

   Fit the front mounting bracket to the end of the rail with the plastic inserts

   Note: Due to the wide variation in rack sizes, there are different holes in the outer slide rails. Use the holes that achieve the best fit for your rack.

Figure 3. Fitting the mounting brackets to the outer slide rails

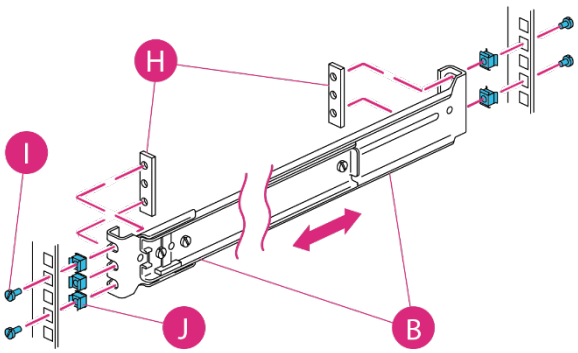


4. Fit the outer slide rails (B) to the rack, using the supplied nut bars (H) and 10-32 x 0.5" LG slotted fillister head screws (I).

   Two of the three cage nuts fitted to the front of the rack, and both the cage nuts at the rear of the rack, act as spacers as the screws pass through and engage with the nut bars, Figure 4.

   Note: If required, the orientation of the nut bars (H) can be reversed to achieve further width adjustment.
   Do not tighten the fillister head screws (I) at this stage so that you can adjust the width between the rails, if necessary, when you fit the module (see Step 7).

Figure 4. Fitting the outer slide rails to the rack



5. Fit the inner slide rails (A) to the sides of the module, using the M4 x 6mm pan head screws (K), Figure 5. Ensure that the safety catches are to the rear of the module. Check that all the screws are tight.

Figure 5. Fitting the inner slide rails to the module