

Entrust nShield® Connect Quick Fit Slide Rail Kit

These instructions describe how to use the quick fit slide rails to install an nShield Connect in a 19" rack with rectangular cut-outs. For other types of rack, such as round hole types, 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.



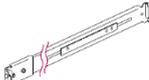
Before starting the installation, ensure you read the preparatory information and safety warnings in the *nShield Connect Warnings and Cautions*.

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

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

The following table describes the slide rail components that are referenced throughout this procedure. You require this tool to carry out the installation:

- Cross headed screwdriver (No 2 bit)

Component	Description	Number of components	Key to figures
	Inner slide rail (supplied as part of B & C)	2	A
	Outer slide rail assembly (left hand)	1	B
	Outer slide rail assembly (right hand)	1	C
	Cross head screw M4x 6mm	10	D

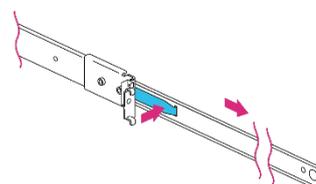
The inner slide rail assemblies (A) and the outer slide rail assemblies (B) & (C), when fully assembled and installed, create a 700mm (27.5") telescopic runner.

Installation

To install the nShield Connect in the rack using the slide rails:

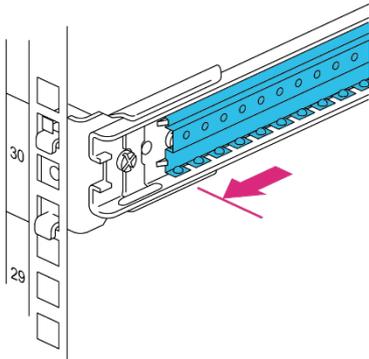
1. Depress the safety catch, Figure 1, on each of the runners to separate them into their component parts (inner and outer slide rails).

Figure 1. Separating the runners



- a. The ball retainer for each of the outer slide rails (B) is drawn forward to the very front of the rack, Figure 9. You can damage the slide rails if the inner slide rails (A) do not connect properly with the ball retainers.
- b. Ensure the nShield Connect is perfectly horizontal and parallel to the rails. Positioning the nShield Connect correctly means that the movement of the ball retainers is synchronized as you slide the nShield Connect into the rack. Careful positioning also helps to protect the rails from damage caused by misalignment.

Figure 9. Drawing the ball retainer to the front of the rack

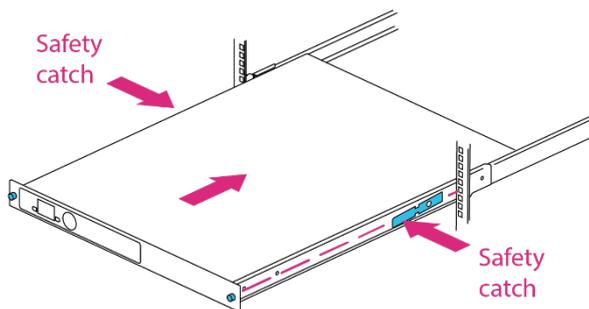


Note: Two competent persons are required to lift the nShield Connect when sliding it into a rack.

9. After ensuring that the inner slide rails (A) have connected properly with the outer slide rails (B), slide the nShield Connect into the rack until the nShield Connect is stopped by the spring safety catches, Figure 10.

Push the spring safety catches inwards (towards the nShield Connect) and carefully slide the nShield Connect into the rack.

Figure 10. Sliding the nShield Connect into the rack

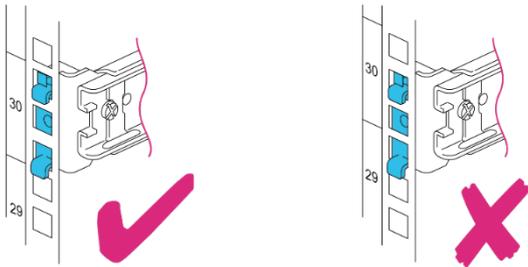


10. Slide the nShield Connect into the rack fully and use the two thumb screws on the front of the nShield Connect to lock it into position.

When you slide the nShield Connect into the rack for the first time, the last few inches of travel may experience some resistance as the ball retainers meet their backstops. Overcome this resistance by gently applying more force to the front of the nShield Connect to achieve full insertion into the rack. Subsequent insertion and extraction of the nShield Connect should be smooth as the ball retainers take up their correct position within the rails.

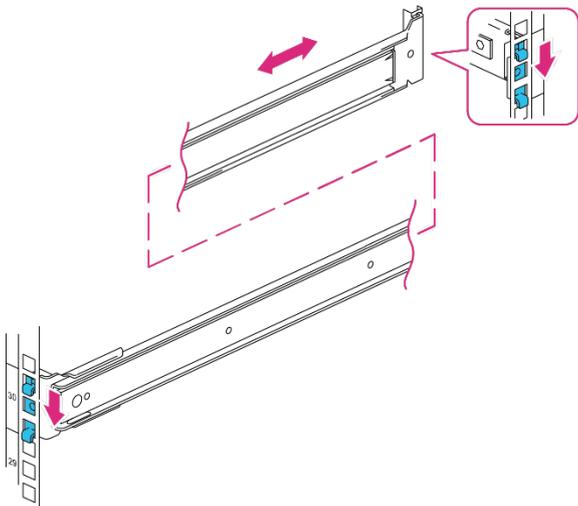
- Orientate the outer slide rail assembly (left hand) so the end marked Front is positioned towards the front of the rack. If your rack vertical rail has guide markers, as Figure 2 shows, position the rack rail **within** these markers.

Figure 2. Rack markers identifying best rail position



- Hook the outer slide rail assembly (left hand) into the desired rectangular rail cut out at the front of the rail, Figure 3. Once the hooks are engaged, gently push the assembly down into position. The red sprung retaining tab should click into position.

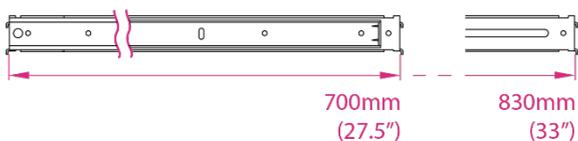
Figure 3. Fitting the outer slide rails to the rack



- At the rear of the rack, repeat Step 3 ensuring the rail is horizontal. The rail assembly is telescopic and should extend or retract to fit most rack depths. However, if it does not fit the depth of your rack, you may need to remove and re-position the retaining screws. If this adjustment is necessary, see Step 5. Otherwise, skip to Step 6.
- Adjust the outer slide rail length, if you need to do so.

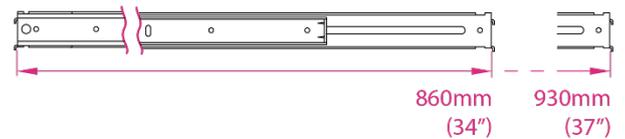
As shipped, the slide rail assembly can be used for rack depths (mounting depth) between 700mm (27.5") and 830mm (33") by simply sliding the assembly to the desired length without the use of tools, Figure 4.

Figure 4. Depths for telescopic slider adjustment



By repositioning the slide bar, you can extend the slide rail assembly to between 860mm (34") and 930mm (37"), Figure 5.

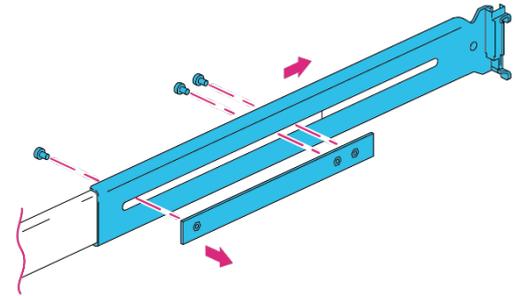
Figure 5. Depths with re-positioned slider bar



To adjust the length:

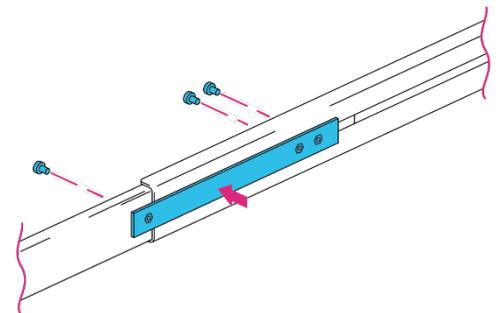
- Remove the 3 securing screws from the slider bar, Figure 6.

Figure 6. Removing the slider bar



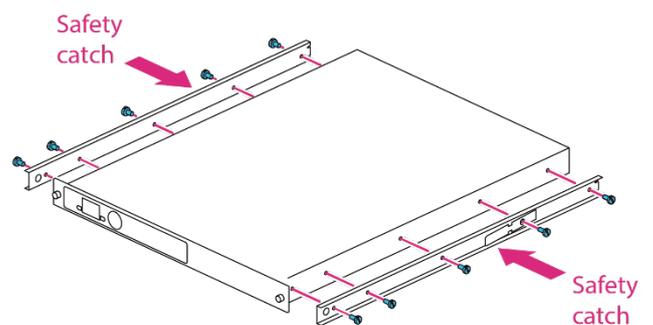
- Reposition and re-attach the 3 screws to the new position, Figure 7.

Figure 7. Re-attaching the slider bar



- Repeat steps 2, 3, 4, and 5 (if required) with the right hand outer slide rail assembly, being careful to ensure the slide rails are engaged in the same rack slot position.
- Fit the inner slide rails (A) to the sides of the nShield Connect, using the M4 x 6mm cross-head screws (D), Figure 8. Ensure that the sprung steel safety catches are to the rear of the nShield Connect. Check that all the screws are tight.

Figure 8. Fitting the inner slide rails



- Important:** Before sliding the nShield Connect into the rack, ensure that: