Small round holes in the square holes of the network cabinet



Overview

A cage nut, also referred to as a captive nut, is a square hole nut that sits inside of a spring-steel cage. The nut is floated within the cage so that it can take up minor alignment adjustments. Can I use square or round based brackets and cabinets interchangeably?

If so, how?

If not, which type of server cabinet will be easier to mount equipment with square and round brackets - one with square or round mounting holes?

Generally most servers and equipment uses square holes. Only certain. Before installing system components, locate the hole pattern in the rack rails to allow adequate Unit height (U) of vertical space. Rack cabinets that meet EIA-310 standards have an alternating pattern of three holes per rack unit. For the front and back vertical rails, the center-to-center hole. Server Cabinet Enclosures – Most new server cabinet enclosures work well with universal square rack holes. They seem to be evenly spaced but not setup for pushing a

© 2026 Indzawo Optic Connect - All rights reserved

zip tie or HnL strap through them.

© 2026 Indzawo Optic Connect - All rights reserved

Small round holes in the square holes of the network cabinet



Server racks can have either square, threaded or circle holes. Square holes require cagenuts, threaded holes can accept screws directly, circle holes need an adapter.



For rails with square holes, use retainer nuts. Note that the following figure shows relative positions for these nuts in the rack rails to mount the shelf and device.



A "cage nut" is a square nut wrapped in a small metal sheet (a "cage"), having two or four small spring clips which grip to the square hole. Once installed, the cage nut works like an adapter and can ...



Vertical hole spacing is defined as a repeating pattern of holes within one Rack Unit of 1.75″. The hole spacing alternated at: 1/2″ - 5/8″ - 5/8″ and repeats. The start and stop of the “U” space is in the ...



There is no single set standard when it comes to the rack holes to secure your devices to the rack. Therefore, it is important to understand the different options, their pros and cons, and when ...

© 2026 Indzawo Optic Connect - All rights reserved



Importance of Rack Screw HolesThreaded HolesRound Unthreaded HolesUniversal Square Rack HolesSquare rack holes are the most popular on new server rackstoday. They have square holes that are 3/8" by 3/8" and are typically on steel uprights that can be anywhere from .085" to .11" thick, which makes them strong enough to support virtually any equipment. This type of hole has made it much easier for manufacturers to develop ''quick rails''. ...See more on racksolutions IBM



Square rack holes are the most common type of rack holes, although some racks contain round holes. Square holes can accept either cage nuts that mount from the back of the rail, or clip ...



Generally most servers and equipment uses square holes. Only certain models of some brands that uses round holes or even proprietary hardware that enforces use of their cabinets uses ...



A cage nut, also referred to as a captive nut, is a square hole nut that sits inside of a spring-steel cage. This cage can be easily inserted into the square mounting holes on a server rack.



I am finding that NetApp has an adapter piece to adapt these rails to square holes, but impossible to find unless either a new set of rails. So these alignment washers may be the path I go.

© 2026 Indzawo Optic Connect - All rights reserved

	It has these square holes everywhere (NO not the cage nut holes!) They''re on the roof plate, the cable management bars, internal supports, etc. They seem to be evenly spaced but not ...

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://www.indzawo.co.za
Email: sales@indzawo.co.za
Phone: +27 71 296 8473
Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

© 2026 Indzawo Optic Connect - All rights reserved