

Rack/Cabinet Hardware

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- *From:* "Radra" <radra@xxxxxxxxxxxxx>
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I am working with some 20 year old HP 19 inch equipment racks (HP 29402 B/C) into which I will be installing some test equipment. Would like to find a source for the special spring-loaded nuts used to attach the horizontal angle brackets which support the equipment.

These nuts are designed to fit into one of four channels (or slots) which run vertically the entire height of the rack (one channel in each corner of the rack). Haven't used these types of nuts in years but recall they used to be quite common.

Will attempt to describe them. Draw a rhombus approximately 0.7 by 0.4 inches. This rhombus is made of metal and extends into the paper about 0.15 inches. Next draw a hole in the center of the rhombus which is tapped to fit a 1/4x20 screw. Lastly draw a coil spring slightly larger in diameter than the hole and which has one end welded to the face of the rhombus and extends vertically out from the paper about 0.5 inch. This spring is centered on the hole.

The channel opening is only slightly larger than 0.4 inches but its interior widens to about 0.7 inches. These nuts are inserted into the slots along their narrow dimension (0.4 inch) and then twisted 90 degrees so the lip of the channel prevents them from being pulled out. The spring holds them in place while the bracket screws are being screwed into them.

Lyman

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