

Tinnerman® Multiple Thread Engaging Nut and Bolt Retainers

The dimensions of the above parts are envelope dimensions only. For complete design information, please request a blueprint from your Tinnerman representative or the Tinnerman Engineering department.

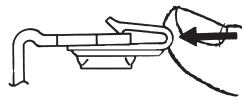
Metric parts listed in italic



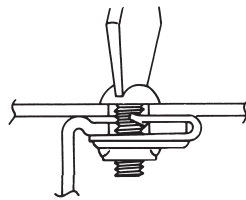
J-Type Nut Retainers

The **J-Type Nut Retainer** combines a spring steel retainer with a multiple-threaded nut to provide an ideal fastener for heavy duty applications requiring high torque tightening, low fastener profile, "float" for hole misalignment and blind assembly. They are easily snapped over panel edges or inserted into rectangular holes in central-panel locations. Floating alignment and retention are attained with extrusions in the retaining legs which snap into panel mounting holes allowing the fastener to shift or align, but not disengage. Applied after painting or porcelainizing, **J-Type Nut Retainers** eliminate the need for masking or retapping clogged threads.

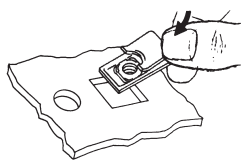
How to apply J-Type Nut Retainers



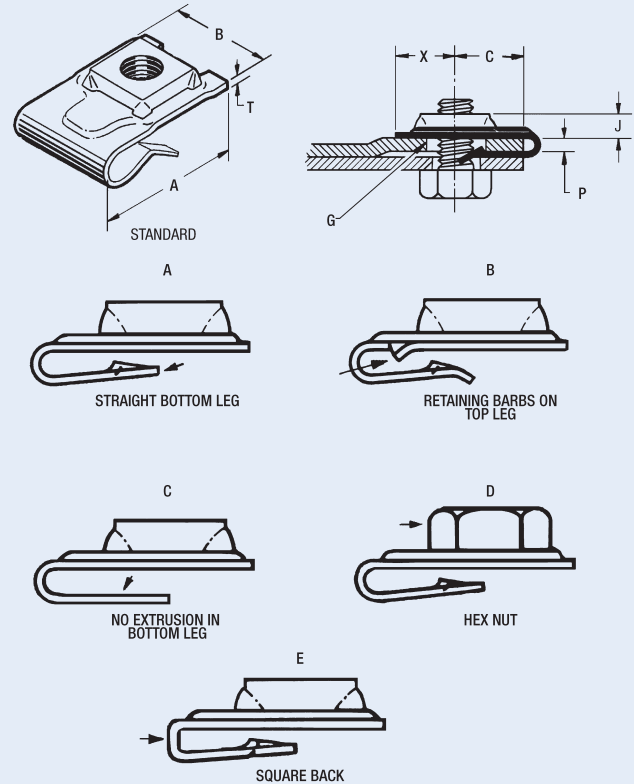
Push into place on panel, snapping the extrusion into the mounting hole. Short retaining leg of **J-Type Nut Retainers** allows complete visibility of mounting hole while nut retainer is being attached. Access to back of panel is unnecessary in final assembly stage.



Position second panel and drive screw. Both hands are free to align panels or components and complete assembly. Flush mounting is obtained by embossing either panel.



J-Type Nut Retainers can be installed in center panel locations through a rectangular hole as illustrated here.



Screw Size	P Panel Range	A Design Variation	B Lngh. Wdth.	C Ctr. to Edge (Max.)	X Ctr. to End	J	G Panel Hole Dia. (Min.)	T Mate-rial Thick-ness	Part Number
10-24	.032-.093	D	.946 .625	.500	.395	.233	.437	.025	C33892-1024
10-32	.032-.093	D	.946 .625	.500	.395	.233	.437	.025	C33892-1032
<i>M6X1</i>	<i>2.290-3.560</i>	<i>D</i>	<i>26.290 19.050</i>	<i>12.700</i>	<i>11.690</i>	<i>8.740</i>	<i>13.490</i>	<i>.710</i>	<i>C33896-M61</i>
1/4-20	.032-.093	D	.946 .625	.500	.395	.233	.437	.025	C33892-1420
	.090-.140	D	1.035 .750	.500	.460	.344	.531	.028	C33896-1420
1/4-28	.032-.093	D	.946 .625	.500	.394	.233	.437	.025	C33892-1428
5/16-18	.050-.090	D	1.050 .750	.546	.460	.344	.531	.028	C33952-5618
	.130-.140	ACDE	.820 .687	.400	.385	.330	.343	.031	C33754-5618
3/8-16	.090-.140	D	1.035 .750	.500	.460	.344	.531	.028	C33896-3816
	.093-.203	Std.	1.480 .750	.750	.440	.230	.437	.028	C31280-3816