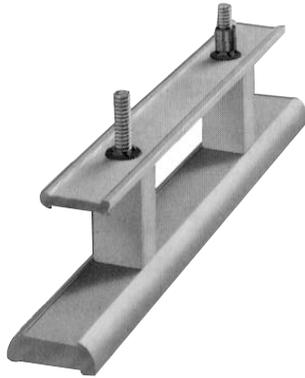


Style PT Pushnut

Typical applications



(Photo courtesy of American Accordion-Fold Door Co.)



Style PT Retainer, above, retains carriage bolts in slots in this auto bumper bracket until the bumper itself is attached by running down a hex nut.

The handle assembly for a folding door, at left, consists of two aluminum pieces separated by spacer blocks and held on screws by Style PT Retainer. Screws are driven into threaded holes in door latch mechanism.

Pushnut® Bolt Retainers

A PUSHNUT Bolt Retainer is a fastener which is pushed on a screw or bolt to securely retain it through handling operations prior to final assembly. The design was originally conceived and is now being used for retention of bolts in bumper brackets prior to final installation of the bumper bracket sub-assembly on an automobile.

ADVANTAGES

1. Easily Applied, Compact Fastener

Because the angled teeth bridge over several screw threads, a PUSHNUT Bolt Retainer slides down smoothly, eliminating the ratcheting action which is characteristic of push-on fasteners which fit into the threads. Round shape and low profile are economical of space. The flexible teeth fold flat when the second panel is tightened over the style PT fastener. Only .015"-.020" thickness is added to the assembly.

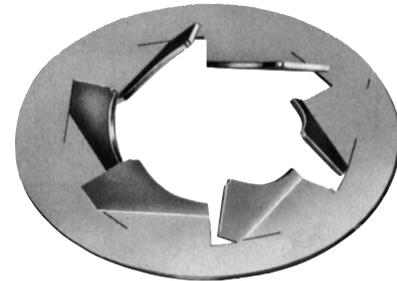
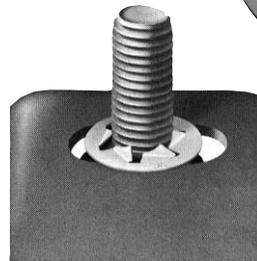
2. Grips Firmly on Bolt Threads or Shanks

A style PT fastener holds firmly at any point on the threaded or unthreaded portion of the bolt shank, even when not seated against the panel. The part must be broken for removal. It cannot be threaded off.

3. Holds Tightly on All Thread Pitches

Because a style PT fastener grips the OD of the screw thread, it functions properly, irrespective of the pitch or

STYLE PT



STEEL

Zinc Plated, or Phosphate Finish, at our option.

number of threads per inch for a given bolt diameter. Holding power figures below were obtained on plain steel bolts which were within class 2A dimensional limits.

4. *Style PT Retainers* permit final assembly by either the "turn screw" or "turn nut" method. See "Typical Applications" at top of page.

5. Fast, Easy Assembly with Applicator Tools

Tools listed on the facing page are magnetized shank applicators equipped with wooden handles. Their use assures correct concentration of application force on the fastener flange, and facilitates assembly.

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