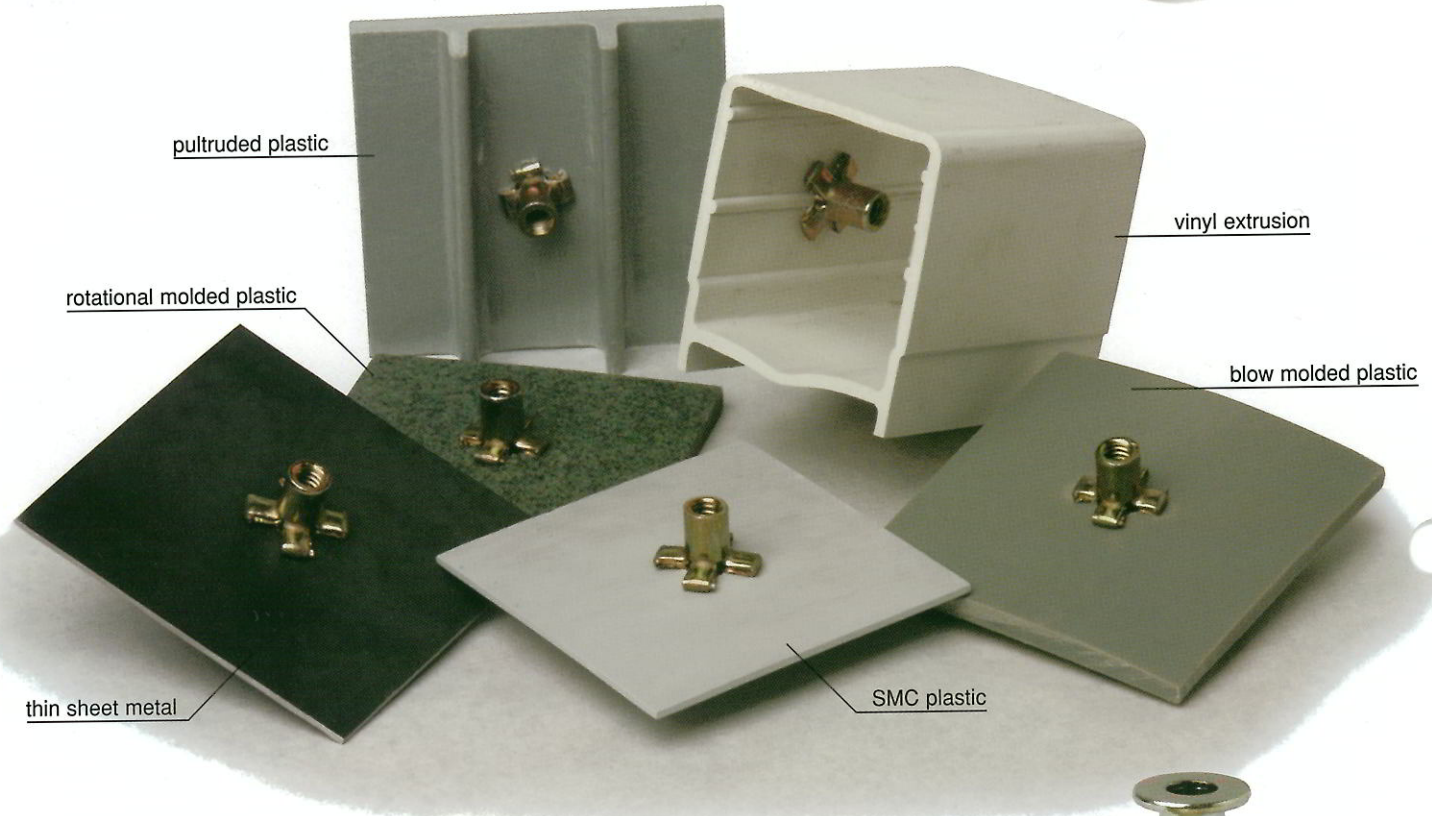


Rivnut® PN-Plusnut® for maximum pull-out strength.

The Rivnut® PN-Plusnut® is designed to be installed into thin sheet metal, tubing or plastics where high pull out strength is required. The slotted body design spreads into 4 "legs" on the backside of the parent material covering a wide surface and assuring maximum pull out strength. Other design advantages of the Rivnut® PN-Plusnut® include:

- Wide grip range for variable thickness materials.
- Wide grip range for part consolidation.
- Soft installation forces to avoid fracturing in soft or brittle materials.
- Available in steel, aluminum and stainless.
- Available in 6-32 to 3/8-16 and M4 to M10 thread sizes.



Rivnut® PN- Plusnut® Pre-Bulbed

The Rivnut® PN-Plusnut® Pre-Bulbed version provides all of the features and benefits of the standard version. But since it is slightly expanded, it can be installed by applying torque to the fastener with a pneumatic torque style tool. It can also be installed with a simple, low cost hand wrench type tool that can be packaged with the Rivnut® PN-Plusnut® Pre-Bulbed for consumer installation.



Impressive pull-out strength.

The following chart provides comparative pull-out strength data between standard Rivnut® type fasteners and the Rivnut® PN-Plusnut® in the various materials shown above.

Fastener Type	.030 0.76mm Steel	.115 2.92mm Vinyl Extrusion	.248 6.29mm Pultruded Plastic	.120 3.04mm Rotomold Plastic	.065 1.65mm SMC Plastic	.185 4.69mm Blowmold Plastic
Rivnut®	480 lbs 2.13 kN	220 lbs .9 kN	1,520 lbs 6.76 kN	25 lbs .1 kN	140 lbs .6 kN	340 lbs 1.25 kN
Rivnut® PN-Plusnut®	1215 lbs 5.40 kN	620 lbs 2.75 kN	1,890 lbs 8.40 kN	165 lbs .7 kN	365 lbs 1.62 kN	725 lbs 3.22 kN

Note: Pull out tests were performed with a 2.50" (65mm) round hold down plate. Bollhoff suggests actual application testing to determine exact pull out strength performance.