CHERRY® RIVETLESS NUT PLATE
U.S. PATENT 7,059,816

A COST EFFECTIVE REPLACEMENT FOR STANDARD RIVETED NUT PLATES THAT MEETS NASM25027 REQUIREMENTS
FEATURES AND BENEFITS

• Lightweight, compact design
• Extended grip range
• Installation requires a single, as-drilled hole: no counterbore, countersink or chamfer needed
• Eliminates the need for 2 additional rivets and holes
• No flaring required
• Meets or exceeds the requirements of NASM25027*
• Installs on inclined & curved surfaces
• Improves the fatigue life of aluminum structure compared to riveted nut plates*
• Uses standard Cherry® tooling
• Floating nut design
• Replaceable nut element
• Fast, reliable installation with lower installed cost
• Reduced maintenance cost

*Contact Cherry Aerospace for more information

CHERRY® RIVETLESS NUT PLATE FOR ALUMINUM STRUCTURES

STANDARD
CNP01, CNP03, CNP11
• Ideal for standard applications in aluminum structure

SEALING
CNP05
• Ideal for fuel tanks and wet wings

METRIC – CNP15, CNP25
• Ideal for U.S. and European metric fastener programs

LIGHTWEIGHT – CNP14
• Ideal for weight-critical applications

HIGH CLEARANCE – CNP16
• Ideal for applications with a higher alignment tolerance.
CHERRY® RIVETLESS NUT PLATE

Designed to replace standard riveted nut plates, the Cherry rivetless nut plate features a retainer that does not require flaring to meet NASM25027 torque-out and push-out requirements. The unique design eliminates the need for two additional rivets and rivet holes, as well as reaming, counterboring and countersinking steps.

PART NUMBER EXAMPLE

Cherry Rivetless Nut Plate, .062 inch minimum grip, corrosion resistant aluminum coating with .1900-32UNJF-3B thread, CRES nut, with dry film lubricant.

CHERRY® RIVETLESS NUT PLATE FOR COMPOSITE STRUCTURES

COMPOSITE
- Ideal for use in composite structures.
- See CNP51, CNP53 standards pages.
- Expansion Sleeve protects composites.

PARTIAL LIST OF CURRENT USERS

Airbus
Boeing
Agusta
Ball Aerospace
European Aeronautic Defense and Space (EADS)
Flight Safety International
Hamilton Sundstrand
Lear Jet
Lockheed Martin
Pratt and Whitney
Raytheon
Rolls-Royce
The Cherry® G800 hand hydraulic riveting tool provides the versatility of a pneumatic-hydraulic riveter but with the lightweight, high pull strength ratio desirability not found in other hand riveters.

The Cherry® G704B lightweight, pneumatic-hydraulic tool is an efficient tool for installing Cherry® rivetless nut plates. Its durable, all metal housing makes this extremely robust tool ideal for use in a rugged shop environment.

### RIVETLESS NUTPLATE TOOL SELECTION CHART

<table>
<thead>
<tr>
<th>Base P/N</th>
<th>Nut Size</th>
<th>Thread</th>
<th>Nut Float</th>
<th>Power Tool</th>
<th>Manual Tool</th>
<th>Pulling Head P/N</th>
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<td>CNP01</td>
<td>3/16&quot;</td>
<td>.1900-32 UNJF-3B</td>
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<td>.054&quot; (min)</td>
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<td>CNP15</td>
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<td>MJx4x0,7-4H6H</td>
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1 U.S. Patent 7,059,816

The Cherry Rivetless Nutplate product line is growing. For the most current information, please contact Cherry Aerospace Technical Service at 714.850.6022.