Floating Clinch Nuts
Series CFAS & CFAC

CFAS & CFAC floating clinch nuts provide a self-clinching feature with a floating nut that compensates for making misalignments to 0.030 inches (.8 mm).

Dimensions & Specifications

Series: CFAS & CFAC
Thread: .041-.055 in. (.53-.79 mm)
Screw Length: .19-.32 in. (.48-.81 mm)

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>Part Number</th>
<th>Material</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFAS420-1</td>
<td>CFAC420-1</td>
<td>Carbon Steel</td>
<td>Passivated</td>
</tr>
<tr>
<td>CFAS420-2</td>
<td>CFAC420-2</td>
<td>Stainless Steel</td>
<td>Passivated</td>
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</tbody>
</table>

CFWN Carbon Steel (Copper Flash Weld Nut)
CFWNS Stainless Steel ASTM A380

Series CFWN & CFWNS

Weld Nuts

CFWN weld nuts are the solution to providing load bearing threaded inserts in sheets that are too thin to tap. They provide three-point projections for fast, easy welding. Captive Fastener weld nuts self-line to standard hole sizes, and are dimensionally identical to industry standards. The alignment collar orients the weld nut and prevents weld spatter from entering thread area.

Advantages:
- Installation Principles:
- Fasteners provide added value by speeding initial assembly as well as servicing in the field, keeping costs to a minimum.
- All Captive self-clinching fasteners install into a round hole which may be punched or drilled into ductile materials. All Captive floating clinch nuts are of the Type D variety, which becomes an integral part of the panel or frame and eliminates the problems associated with loose hardware. Captive weld nuts are the solution to providing load bearing attachment to carbon steel and stainless steel sheet material. All three fastener types provide a permanently attached fastener that is safe and reliable.

Installation Principles:
- Installation of floating clinch nuts requires the use of a special clinch nut tool or die. The tool is pushed into the hole until the collar is seated. This is followed by the insertion of the fastener into the hole. Upon tightening of the fastener, the clinch head is formed, engaging the collar and providing an interference fit to ensure proper function. The clinch nut may be removed at any time by turning the fastener in the opposite direction.

Weld Nut Installation:
- Weld nuts are applied by welding into the sheet metal, providing a self-clinching feature with a floating nut that compensates for making misalignments to 0.030 inches (.8 mm).
- Installation of weld nuts requires the use of a special clinch nut tool or die. The tool is pushed into the hole until the collar is seated. This is followed by the insertion of the fastener into the hole. Upon tightening of the fastener, the clinch head is formed, engaging the collar and providing an interference fit to ensure proper function. The clinch nut may be removed at any time by turning the fastener in the opposite direction.

Captive Fasteners are available in three basic groups:
1. Self-clinching fasteners for ductile materials.
2. Floating clinch nuts for non-ductile materials.
3. Weld nuts for welding into sheet metal.