### Thread Size Code

<table>
<thead>
<tr>
<th>Ø M</th>
<th>Ø G</th>
<th>Ø R1</th>
<th>Ø R2</th>
<th>Ø U</th>
<th>Z</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>4, 4F, 6, 6F, M3, M3.5</td>
<td>.217</td>
<td>.218</td>
<td>.312</td>
<td>.307</td>
<td>.194</td>
<td>.290</td>
</tr>
<tr>
<td>8, 8F, 10, 10C, 10F, M4, M5</td>
<td>.270</td>
<td>.272</td>
<td>.281</td>
<td>.375</td>
<td>.370</td>
<td>.245</td>
</tr>
</tbody>
</table>

### Nut Height Code

<table>
<thead>
<tr>
<th>N</th>
<th>L (Dimensions Apply After Installation)</th>
<th>(Y) Thread Relief</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>.193</td>
<td>.233</td>
</tr>
<tr>
<td>2</td>
<td>.254</td>
<td>.295</td>
</tr>
<tr>
<td>3</td>
<td>.317</td>
<td>.357</td>
</tr>
<tr>
<td>4</td>
<td>.380</td>
<td>.420</td>
</tr>
</tbody>
</table>

### Grip Code

<table>
<thead>
<tr>
<th>Model</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>6010 ( ) ( ) ( )</td>
<td></td>
</tr>
</tbody>
</table>

### Nut Plate, Rivetless, Variable Nut Height, All Sizes, Floating (450°)

**Alcoa Fastening Systems**

AEROSPACE FASTENER DIVISION
3724 EAST COLUMBIA STREET
TUCSON, ARIZONA 85714
PHONE 520 519-7400
FAX 520 519-7427
www.alcoafasteners.com
MATERIAL:
NUT: 1050 CARBON STEEL PER AMS 5085, OR ALLOY STEEL PER MIL-S-6758 OR AMS 6348, AMS 6351 (4130). HEAT TREAT TO 160 KSI MIN ULTIMATE TENSILE STRENGTH, HRC 45 MAX
BRACKET: 1050 CARBON STEEL PER AMS 5085 OR ASTM-A-682, HEAT TREAT TO HRC 40-50
SLEEVE: 304 CRES PER AMS 5639 OR AMS-QQ-P-763 OR 305 CRES PER AMS 5514

FINISH CODE:
BRACKET, SLEEVE & NUT: CAD PLATE PER AMS QQ-P-416, TYPE I I, CLASS 2
NUT: DRI-FILM LUBE PER MIL-PRF-46010

NOTES:
1. "AA" GRIP RECOMMENDED PANEL PREPARATION:
   SIZES 4, 4F, 6, 6F, M3 & M3.5 C'SINK: "Ø R 2" DIMENSION IS .275
   SIZE 8, 8F, 10, 10C, 10F, M4 & M5 C'SINK: "Ø Q" DIMENSION IS .276/.281; "Ø R 2" DIMENSION IS .343
   SIZE 12, 12C, 12F, M6: NOT RECOMMENDED FOR LESS THAN .060 PANEL THICKNESS
2. SOFT: DIMENSIONS FOR SOFT ALUMINUM ALLOYS AND PLASTICS
   HARD: DIMENSIONS FOR HARD ALUMINUM ALLOYS AND STEEL
3. A MINIMUM OF TWO THREADS ARE DEFORMED TO PRODUCE SELF-LOCKING ACTION PER NASM25027 WHEN LOCKING FEATURE IS DESIRED.
4. NUT ELEMENT HAS .060 TOTAL RADIAL FLOAT FOR GRIP LENGTHS "AA" THRU "C" AND .046 MINIMUM FOR GRIP LENGTHS GREATER THAN "C".
5. FOR NUT ELEMENT REPLACEMENT PART NUMBER, SEE DRAWING S-0877.
6. NUT ELEMENT REMOVAL TOOL AVAILABLE, PART NUMBER RB6527.
8. FOR HIGH VOLUME INSTALLATION RATES, ALTERNATIVE POWER TOOLING IS AVAILABLE:
   CONTACT ALCOA FASTENING SYSTEMS SALES DEPT.
9. THREADS ARE CUT FOR THREAD SIZE CODES: 8, 8F, M4, 10, 10C, 10F, M5, 12, 12C, 12F AND M6.
10. TOOLING TYPE:
    "N" DESIGNATES COUNTERBORE
     "S" DESIGNATES COUNTERSINK
11. COUNTERBORE DEPTH FOR NUT ELEMENT DESIGNATION:

<table>
<thead>
<tr>
<th>CODE</th>
<th>OPTION A (STAMPING)</th>
<th>OPTION B (COLOR CODE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NONE</td>
<td>LIGHT BLUE</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>WHITE</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>PINK</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>FLUORESCENT ORANGE</td>
</tr>
</tbody>
</table>

HAND INSTALLATION TOOL SELECTION TABLE: ( ) INDICATES THREAD SIZE CODE

COMPLETE HAND TOOL ASSEMBLY INCLUDES:

NOSE PIECE, PULLER & HANDLE
COUNTERBORE COUNTERSINK
DCBT8600-( ) DCST8600L-( )

NOSE PIECE 10
COUNTERBORE COUNTERSINK
DCBN86130-( ) DCSN86130-( )

PULLER HANDLE ASSY
DTP86230-( ) TA7533