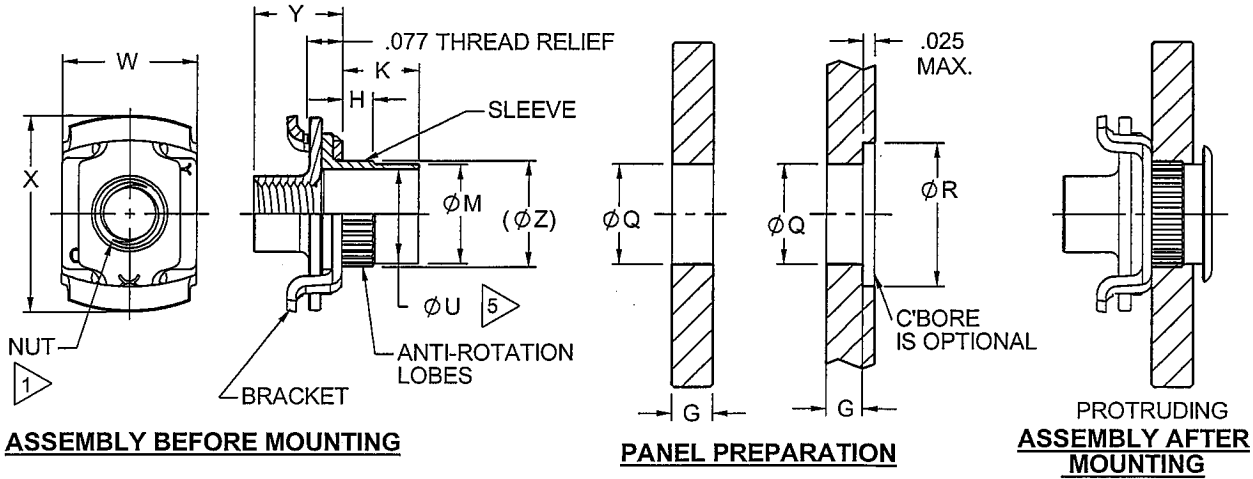


REV Y  
S-1001  
DRAWING NO.



| THREAD SIZE CODE | ØM<br>+.000<br>-.005 | ØU        | ØQ<br>+.004<br>-.001 | ØR<br>+.020<br>-.000 | W    | X    | Y<br>±.025 | (ØZ) |
|------------------|----------------------|-----------|----------------------|----------------------|------|------|------------|------|
| 6QD              | .217                 | .192-.197 | .218                 | .312                 | .295 | .420 | .200       | .231 |
| 8F               | .271                 | .245-.248 | .281                 | .375                 | .390 | .572 | .245       | .299 |

INSTALLATION TOOLS:  
( ) = THREAD SIZE CODE  
NUT ELEMENT REMOVAL TOOL RB6527-( )  
PNEUMATIC TOOL PTF7503-( )  
ARBOR PRESS TOOL HW N7659-( )  
ANVIL HWN7658-( )  
FORMER HWN7657-( )  
HAND TOOL DCBT8600-( )

PART NUMBER CALLOUT  
FLN 6010L - ( ) - ( )

| GRIP CODE | G           | H           | K<br>±.010 |
|-----------|-------------|-------------|------------|
| AA        | .025 - .040 | .018 - .025 | .073       |
| A         | .031 - .062 | .025 - .030 | .099       |
| BB        | .055 - .085 | .030 - .035 | .115       |
| B         | .063 - .094 |             | .130       |
| C         | .095 - .126 | .053 - .060 | .161       |
| D         | .127 - .158 |             | .192       |

| THREAD SIZE CODE | THREAD SIZE PER SAE-AS-8879 | LEAD |
|------------------|-----------------------------|------|
| 6QD              | .138-32 UNJC-3B             | QUAD |
| 8F               | .164-32 UNJC-3B             |      |

MATERIAL:  
SLEEVE: 304 CRES PER AMS 5639  
NUT: A-286 CRES PER AMS 5732, AMS 5737 OR AMS 5525, H.T. TO 160,000 PSI MIN TENSILE STRENGTH  
BRACKET: 1050 CARBON STEEL PER AMS 5085, H.T. TO HRC 42-47  
FINISH CODE:  
SLEEVE & BRACKET: CAD PLATE PER AMS QQ-P-416, TYPE II, CLASS 2 (YELLOW)  
NUT: PASSIVATE PER AMS-QQ-P-35, DYE ORANGE, DRI-FILM LUBRICANT PER MIL-PRF- 46010

- NOTES:
1. THREADED PORTION ELLIPTICALLY DEFORMED TO PRODUCE SELF-LOCKING ACTION PER NASM25027
  2. NUT ELEMENT HAS .060 TOTAL RADIAL FLOAT FOR GRIP LENGTHS "AA" THRU "C" AND .046 MIN. FOR GRIP LENGTHS GREATER THAN "C".
  3. FOR NUT ELEMENT REPLACEMENT P/N SEE DWG. S-0877.
  4. FOR HIGH VOLUME INSTALLATION RATES, ALTERNATE POWER TOOLING IS AVAILABLE. PLEASE CONTACT AFS INSTALLATION SYSTEMS FOR MORE INFORMATION. FOR ADDITIONAL TOOL USE INFORMATION, REFER TO PRINTS S-1086, S-1128 AND S-1654.
  5. 2" INWARD TAPER ON PARTS LONGER THAN 'C' GRIP LENGTH OPTIONAL
  6. THREAD DIMENSIONS APPLY PRIOR TO APPLICATION OF DRI-FILM LUBRICANT. POSSIBLE THREAD TIGHTNESS DUE TO LUBE BUILDUP WILL DIMINISH FOLLOWING ENGAGEMENT OF MATING PART.

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|  |                    |          |
|--|--------------------|----------|
| Y  | DCN 6795           | 07-31-08 |
| REV  | DESCRIPTION/EC NO. | DATE     |
| UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES                                    |                    |          |
| TOLERANCE UNLESS OTHERWISE NOTED:<br>X = ±.05 ANGLES ±0.5°<br>XX = ±.02<br>XXX = ±.015 |                    |          |

**Alcoa Fastening Systems**  
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TUCSON, ARIZONA 85714  
PHONE 520 519-7400  
FAX 520 519-7427  
www.huckaerospace.com

|   |                              |
|---|------------------------------|
| TITLE<br><b>FLOATING FLARE NUT, SELF-LOCKING, SIZES 6 &amp; 8</b> |                              |
| DATE<br>10/11/2005  | PART NO.<br><b>FLN6010L</b>  |
| DRAWN<br>JLS  | DRAWING NO.<br><b>S-1001</b> |
| CHECK<br>   | CAGE CODE<br>0HDW7           |
| APPROVE   | REV<br><b>Y</b>              |
| SCALE: 2.5:1  | SHEET 1 OF 1                 |