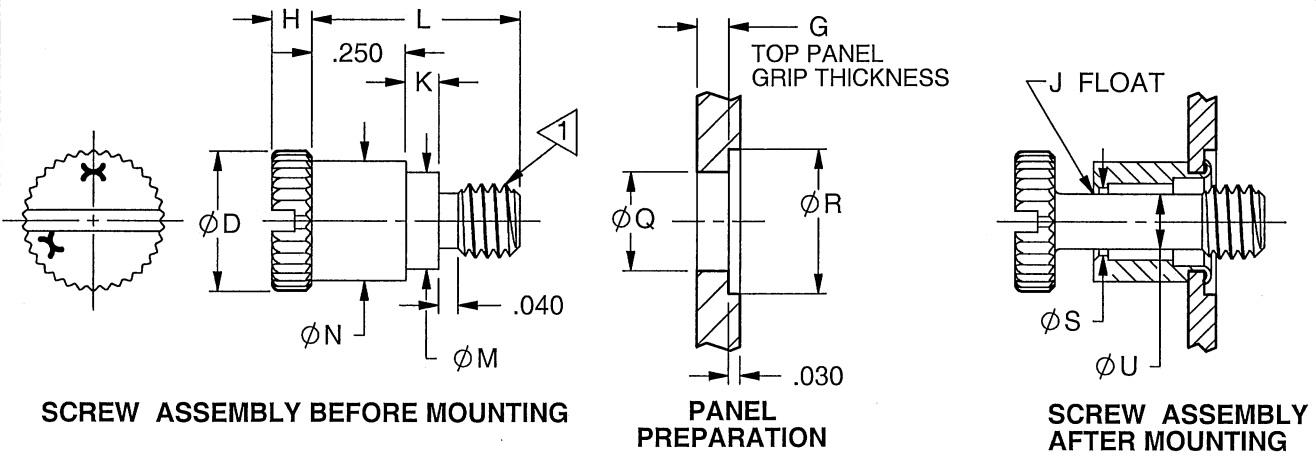


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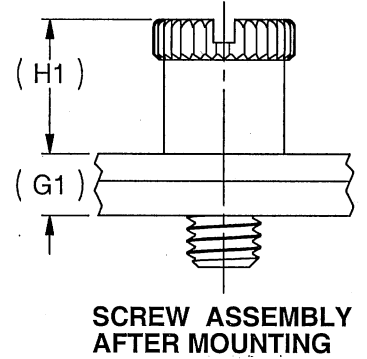
REV **P**

S-0413

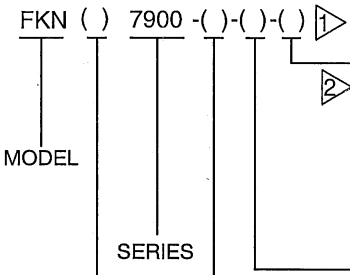
DRAWING NO.



| THREAD SIZE CODE | Ø D | H | (H1) | J FLOAT (DIAMETRICAL) | | Ø M ±.005 | Ø N ±.005 | Ø Q +.004 -0.01 | Ø R +.020 -0.00 | Ø S ±.002 | Ø U | |
|------------------|------|------|------|-----------------------|------|-----------|-----------|-----------------|-----------------|-----------|------|------|
| | | | | MIN | MAX | | | | | | MIN | MAX |
| 4, 4F | .219 | .068 | .318 | .017 | .025 | .178 | .219 | .187 | .312 | .098 | .075 | .079 |
| 6, 6F | .265 | .080 | .330 | .023 | .030 | .202 | .250 | .209 | .332 | .118 | .090 | .095 |
| 8, 8F | .314 | .091 | .341 | .024 | .031 | .215 | .300 | .221 | .348 | .146 | .117 | .122 |
| 10, 10F | .365 | .105 | .355 | .027 | .034 | .250 | .312 | .257 | .375 | .172 | .140 | .145 |
| 10C | | | | .037 | .044 | | | | | | .125 | .130 |
| 12, 12F | .492 | .144 | .394 | .031 | .040 | .313 | .374 | .323 | .437 | .228 | .190 | .195 |
| 12C | | | | .041 | .050 | | | | | | .175 | .180 |



PART NUMBER CALLOUT



| LENGTH CODE | L | | G1 |
|-------------|-------|-----------|----|
| | +0.25 | -0.15 | |
| 1 | .540 | .062-.187 | |
| 2 | .665 | .188-.312 | |
| 3 | .790 | .313-.437 | |
| 4 | .915 | .438-.562 | |
| 5 | 1.040 | .563-.687 | |
| 6 | 1.165 | .688-.812 | |

| GRIP CODE | G | | K ±.005 |
|-----------|----------------------------|------|---------|
| | (TOP PANEL GRIP THICKNESS) | | |
| A | .031-.062 | .085 | |
| B | .063-.125 | .147 | |
| C | .126-.187 | .210 | |
| D | .188-.250 | .272 | |
| E | .251-.312 | .335 | |
| F | .313-.375 | .397 | |

| THREAD SIZE CODE | THREAD SIZE PER ASME B1.1 | LEAD |
|------------------|---------------------------|-----------------|
| 4 | .112-40 UNC-2A | SINGLE |
| 6 | .138-32 UNC-2A | |
| 8 | .164-32 UNC-2A | |
| 10 | .190-32 UNF-2A | |
| 12 | .250-28 UNF-2A | |
| 10C | .190-24 UNC-2A | SINGLE (COARSE) |
| 12C | .250-20 UNC-2A | |
| 4F | .112-40 UNC-2A | DOUBLE |
| 6F | .138-32 UNC-2A | |
| 8F | .164-32 UNC-2A | |
| 10F | .190-32 UNF-2A | QUAD |
| 12F | .250-28 UNF-2A | |

| CODE | FINISH |
|------|--------|
| NONE | CLEAR |
| B | BLACK |

| GRIP CODE | THREAD LENGTH AVAILABILITY TABLE | | | | | |
|-----------|----------------------------------|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| A | | | | | | |
| B | | | | | | |
| C | | | | | | |
| D | | | | | | |
| E | | | | | | |
| F | | | | | | |

ASSEMBLIES NOT AVAILABLE
 ASSEMBLIES AVAILABLE

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| | | |
|-----|--------------------|----------|
| P | DCN 4091 | 03-08-06 |
| REV | DESCRIPTION/EC NO. | DATE |

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES
 TOLERANCE UNLESS OTHERWISE NOTED:
 .X = ±.05 ANGLES ±0.5°
 .XX = ±.02
 .XXX = ±.015

Alcoa Fastening Systems
AEROSPACE FASTENER DIVISION
 3724 EAST COLUMBIA STREET
 TUCSON, ARIZONA 85714
 PHONE 520 519-7400
 FAX 520 519-7427
www.alcoafasteners.com

| | | |
|--|----------------------------------|-----------------|
| TITLE | | |
| CAPTIVE SCREW, INTERNAL FLOATING, ALL SIZES | | |
| DATE 07/29/2005 | PART NUMBER FKN()7900 | |
| DRAWN JLS | DRAWING NO. S-0413 | |
| CHECK | CAGE CODE OHDW7 | REV P |
| APPROVE | SCALE: 2:1 | SHEET 1 OF 2 |

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REV P
DRAWING NO. S-0413

MATERIAL:

STUD:

SIZES 4, 4F, 6, 6F:
4037 ALLOY STEEL PER AMS 6300, H.T. TO HRC 34-38, OR 8740 AMS 6322
SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C: 302 CRES PER AMS 5636 OR ASTM-A-493

SLEEVES:

SIZES 4, 4F, 6, 6F: BRASS ALLOY PER AMS 4610 OR ASTM B16/B 16M
SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C: 6061-T6 ALUM ALLOY PER AMS 4117 OR AMS QQ-A-225/8

FINISH:

FKN7900:

STUD:

SIZES 4, 4F, 6, 6F: CAD PLATE PER AMS QQ-P-416, TYPE I, CLASS 2
SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C: PASSIVATE PER AMS QQ-P-35.

SLEEVE:

SIZES 4, 4F, 6, 6F: CAD PLATE PER AMS QQ-P-416, TYPE I, CLASS 2
SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C: ANODIZE PER MIL-A-8625, TYPE II, CLASS 1

FKNB7900:

STUD:

SIZES 4, 4F, 6, 6F: BLACK OXIDE PER MIL-C-13924, CLASS 1
SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C: BLACK OXIDE PER MIL-C-13924, CLASS 4

SLEEVE:

SIZES 4, 4F, 6, 6F: CHEM BLACK PER MIL-F-495 OVER COPPER STRIKE (EBONOL "C")
SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C: ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, BLACK

NOTES:

1. "PL" AT END OF PART NUMBER DESIGNATES PATCH-LOCK PER MIL-DTL-18240
2. SIZE 12, LENGTH CODE 1, 'L' DIM IS .590.

INSTALLATION TOOLS: () INDICATES THREAD SIZE CODE

ARBOR PRESS TOOL HW7600-(), NOSE PIECE HN7513-(), PULLER HP7523-(),
HANDLE ASSEMBLY TA7533


COMPLETE HANDLE TOOL ASSEMBLY: H8603-() INCLUDES NOSE PIECE, PULLER & HANDLE

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| | | |
|-----|--------------------|----------|
| P | DCN 4091 | 03-08-06 |
| REV | DESCRIPTION/EC NO. | DATE |

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN INCHES
TOLERANCE UNLESS OTHERWISE
NOTED:
.X = ±.05 ANGLES ±0.5°
.XX = ±.02
.XXX = ±.015

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| | | | |
|--|----------------------------------|-----------------|--|
| TITLE | | | |
| CAPTIVE SCREW, INTERNAL FLOATING, ALL SIZES | | | |
| DATE 07/29/2005 | PART NUMBER FKN()7900 | | |
| DRAWN JLS | DRAWING NO. S-0413 | | |
| CHECK  | CAGE CODE OHDW7 | REV P | |
| APPROVE | SCALE: 1:1 | SHEET 2 OF 2 | |