

| PART NUMBER    | NOM DIA. |       | A HEX.       |                | C MAX. |       | D DIA.         |                | F FLATS      |              | H HEAD HEIGHT |              | J DIA. MAX. |       | K MAX. |       |
|----------------|----------|-------|--------------|----------------|--------|-------|----------------|----------------|--------------|--------------|---------------|--------------|-------------|-------|--------|-------|
|                | INCH     | mm    | INCH         | MM             | INCH   | mm    | INCH           | mm             | INCH         | mm           | INCH          | mm           | INCH        | mm    | INCH   | mm    |
| PLT5210-05-(-) | .1635    | 4.153 | .250<br>.244 | 6.35<br>6.20   | .268   | 6.81  | .1645<br>.1625 | 4.178<br>4.128 | .086<br>.081 | 2.18<br>2.06 | .096<br>.070  | 2.44<br>1.78 | .244        | 6.20  | .246   | 6.25  |
| PLT5210-06-(-) | .1980    | 5.029 | .312<br>.305 | 7.92<br>7.75   | .303   | 7.70  | .1990<br>.1970 | 5.055<br>5.004 | .104<br>.099 | 2.64<br>2.52 | .113<br>.074  | 2.87<br>1.88 | .300        | 7.62  | .281   | 7.14  |
| PLT5210-08-(-) | .2590    | 6.579 | .375<br>.367 | 9.52<br>9.32   | .354   | 8.99  | .2600<br>.2580 | 6.604<br>6.553 | .135<br>.130 | 3.43<br>3.30 | .135<br>.084  | 3.43<br>2.13 | .384        | 9.75  | .325   | 8.25  |
| PLT5210-10-(-) | .3105    | 7.887 | .437<br>.429 | 11.10<br>10.90 | .423   | 10.74 | .3115<br>.3095 | 7.912<br>7.861 | .152<br>.147 | 3.86<br>3.73 | .160<br>.106  | 4.06<br>2.69 | .427        | 10.85 | .390   | 9.91  |
| PLT5210-12-(-) | .3735    | 9.487 | .500<br>.491 | 12.70<br>12.47 | .510   | 12.95 | .3745<br>.3725 | 9.512<br>9.462 | .185<br>.180 | 4.70<br>4.57 | .190<br>.127  | 4.83<br>3.22 | .516        | 13.11 | .470   | 11.94 |

| PART NUMBER    | R RAD.       |              | W REF. DRIVE NUT |       | BREAK-OFF LIMITS |                | MINIMUM AVAILABLE GRIP LENGTH | HOLE SIZE    |              | PREVAILING TORQUE MIN. |       | DOUBLE SHEAR STRENGTH MIN. |       | TENSILE STRENGTH MIN. |       |
|----------------|--------------|--------------|------------------|-------|------------------|----------------|-------------------------------|--------------|--------------|------------------------|-------|----------------------------|-------|-----------------------|-------|
|                | INCH         | mm           | INCH             | mm    | INCH             | mm             |                               | INCH         | mm           | IN-LB                  | Nm    | LBS.                       | N     | LBS.                  | N     |
| PLT5210-05-(-) | .020<br>.010 | 0.51<br>0.25 | .375             | 9.52  | +0.088<br>+0.000 | +2.23<br>+0.00 | -01                           | .168<br>.165 | 4.27<br>4.19 | 1.0                    | 0.113 | 3355                       | 14900 | 900                   | 4000  |
| PLT5210-06-(-) | .025<br>.015 | 0.63<br>0.38 | .375             | 9.52  | +0.098<br>+0.010 | +2.49<br>+0.25 | -01                           | .202<br>.199 | 5.13<br>5.05 | 1.5                    | 0.170 | 5240                       | 23300 | 1400                  | 6230  |
| PLT5210-08-(-) | .025<br>.015 | 0.63<br>0.38 | .375             | 9.52  | +0.135<br>+0.047 | +3.43<br>+1.19 | -02                           | .263<br>.260 | 6.68<br>6.60 | 2.5                    | 0.282 | 9000                       | 40000 | 2100                  | 9340  |
| PLT5210-10-(-) | .030<br>.015 | 0.76<br>0.38 | .500             | 12.70 | +0.146<br>+0.043 | +3.71<br>+1.09 | -02                           | .315<br>.312 | 8.00<br>7.92 | 3.5                    | 0.400 | 12000                      | 53400 | 3600                  | 16010 |
| PLT5210-12-(-) | .030<br>.015 | 0.76<br>0.38 | .500             | 12.70 | +0.152<br>+0.049 | +3.86<br>+1.24 | -03                           | .378<br>.375 | 9.60<br>9.52 | 4.0                    | 0.452 | 19500                      | 86700 | 5600                  | 24910 |

**MONOGRAM AEROSPACE FASTENERS**  
a TriMas company  
3423 SOUTH GARFIELD AVENUE  
COMMERCE, CALIFORNIA 90040  
(323) 722-4760 FAX (323) 727-1029

TITLE:  
**VISU-LOK II, FASTENER, BLIND  
HEXAGONAL PROTRUDING HEAD  
NOMINAL DIAMETER  
ALLOY STEEL**

DRAWING NO:  
**PLT5210(-)(-)(-)**  
DRAWN BY: G.MARTINEZ  
DRAWN DATE: 08-15-13  
APPROVED BY:  
CHECKED DATE:

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Alcoa CAGE CODE: 5M902  
MONOGRAM CAGE CODE: 98524  
ECN NO: 14-0782  
ECN DATE: 11/16/14  
REV: H  
SHEET 1 OF 2



| 2ND DASH NO. | GRIP RANGE |       |           |       |
|--------------|------------|-------|-----------|-------|
|              | GRIP MIN.  |       | GRIP MAX. |       |
|              | INCH       | mm    | INCH      | mm    |
| -01          | .032       | 0,81  | .093      | 2,36  |
| -02          | .094       | 2,39  | .156      | 3,96  |
| -03          | .157       | 3,99  | .219      | 5,56  |
| -04          | .220       | 5,59  | .281      | 7,14  |
| -05          | .282       | 7,16  | .344      | 8,74  |
| -06          | .345       | 8,76  | .406      | 10,31 |
| -07          | .407       | 10,34 | .469      | 11,91 |
| -08          | .470       | 11,94 | .531      | 13,49 |
| -09          | .532       | 13,51 | .594      | 15,09 |
| -10          | .595       | 15,11 | .656      | 16,66 |
| -11          | .657       | 16,69 | .719      | 18,26 |
| -12          | .720       | 18,29 | .781      | 19,84 |
| -13          | .782       | 19,86 | .844      | 21,44 |
| -14          | .845       | 21,46 | .906      | 23,01 |
| -15          | .907       | 23,04 | .969      | 24,61 |
| -16          | .970       | 24,64 | 1.031     | 26,19 |

| 2ND DASH NO. | GRIP RANGE |       |           |       |
|--------------|------------|-------|-----------|-------|
|              | GRIP MIN.  |       | GRIP MAX. |       |
|              | INCH       | mm    | INCH      | mm    |
| -17          | 1.032      | 26,21 | 1.094     | 27,79 |
| -18          | 1.095      | 27,81 | 1.156     | 29,36 |
| -19          | 1.157      | 29,39 | 1.219     | 30,97 |
| -20          | 1.220      | 30,98 | 1.281     | 32,54 |
| -21          | 1.282      | 32,55 | 1.344     | 34,14 |
| -22          | 1.345      | 34,15 | 1.406     | 35,72 |
| -23          | 1.407      | 35,73 | 1.469     | 37,32 |
| -24          | 1.470      | 37,33 | 1.531     | 38,89 |
| -25          | 1.532      | 38,90 | 1.594     | 40,49 |
| -26          | 1.595      | 40,50 | 1.656     | 42,07 |
| -27          | 1.657      | 42,08 | 1.719     | 43,67 |
| -28          | 1.720      | 43,68 | 1.781     | 45,24 |
| -29          | 1.782      | 45,25 | 1.844     | 46,84 |
| -30          | 1.845      | 46,85 | 1.906     | 48,42 |
| -31          | 1.907      | 48,43 | 1.969     | 50,02 |
| -32          | 1.970      | 50,03 | 2.031     | 51,59 |



PROCUREMENT SPEC:

PROCUREMENT SPECIFICATION = PLT 5000, CLASS I, TYPE V  
 PART NUMBER ASSIGNMENT = PLT 5001  
 INSTALLATION AND REMOVAL = PLT 5002  
 SPECIAL LUBE AND FINISH = PLT 5003

MATERIAL:

NUT & SCREW: ALLOY STEEL, 4130 PER AMS-S-6758, 4140 PER AMS6382 OR AMS6349 OR 8740 PER AMS6322.  
 SLEEVE: CORROSION RESISTANT STEEL, 303 PER AMS5641 OR 304 PER AMS5639.  
 DRIVE NUT: MILD STEEL.

HEAT TREAT:

NUT & SCREW: HEAT TREAT PER AMS2759 TO HRC 39-43.  
 SLEEVE & DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

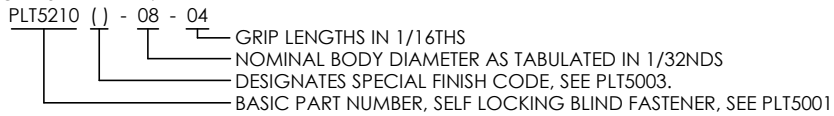
FINISH:

NUT & SCREW: CADMIUM PLATE PER AMS-QQ-P-416 TYPE II, CLASS 2. CADMIUM PLATE PER NAS672 IS PERMISSIBLE PROVIDED IT IS FOLLOWED BY A DICHROMATE POST TREATMENT PER AMS-QQ-P-416.  
 SLEEVE: PASSIVATE PER AMS2700 AND CADMIUM PLATE PER AMS-QQ-P-416 TYPE I, CLASS 3.  
 DRIVE NUT: CORROSION RESISTANT COATING. COLOR GOLD.

LUBRICANT:

SOLID DRY FILM LUBE PER THE CHEMICAL REQUIREMENTS OF AS5272 TYPE I, OR EVERLUBE 812 PER MIL-PRF-81329, PARAFFIN WAX OR CETYL ALCOHOL PER AS87132 MAY BE APPLIED TO ANY OR ALL COMPONENTS AS REQUIRED FOR PERFORMANCE. (SEE PLT 5003 FOR SPECIAL LUBRICANTS AND FINISHES).

PART CODE & EXAMPLE:



GENERAL NOTES:

- LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT.
- HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.  
 EXAMPLE: PLT5210-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS = 0.281" (7,14mm) AND A GRIP RANGE OF .250" THRU .312" (6,35mm THRU 7,92mm).
- DISTORTION OF "D" DIAMETER SHALL NOT PREVENT INSERTION OF THE FASTENER INTO A RING GAUGE OF LENGTH EQUAL TO ONE DIAMETER AND DIAMETER EQUAL TO MINIMUM RECOMMENDED HOLE SIZE. FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS (22.23 NEWTONS).
- SECOND DASH NUMBER (GRIP RANGE) -17 THROUGH -32 NOT AVAILABLE IN -05 DIAMETER.
- HEAD MARKINGS DESPRESSED .010" (0.254mm MAX.), POSITION OPTIONAL.



TITLE:  
 VISU-LOK II, FASTENER, BLIND  
 HEXAGONAL PROTRUDING HEAD  
 NOMINAL DIAMETER  
 ALLOY STEEL

|  |                         |
|--|-------------------------|
| DRAWING NO:<br>PLT5210 ( ) - ( ) - ( ) |                         |
| DRAWN BY:<br>G.MARTINEZ                | DRAWN DATE:<br>08-15-13 |
| APPROVED BY:                           | CHECKED DATE:           |

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|---------------------------|--------------------|--------------|
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|                           | ECN DATE: 11/16/14 | SHEET 2 OF 2 |