### Title

**VISU-LOK, FASTENER, BLIND**

**INTERMALLY THREADED, EXTERNAL SLEEVE TITANIUM**

**100° FLUSH TENSION HEAD, SELF LOCKING**

**75 KSI SHEAR, GROUND SHANK, 1/64" OVERSIZE**

---

### Table of Identifiers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>L Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLT1106-05-1</td>
<td>3.32</td>
<td>PLT1106</td>
</tr>
<tr>
<td>PLT1106-06-1</td>
<td>3.65</td>
<td>PLT1106</td>
</tr>
<tr>
<td>PLT1106-08-1</td>
<td>3.57</td>
<td>PLT1106</td>
</tr>
<tr>
<td>PLT1106-10-1</td>
<td>3.35</td>
<td>PLT1106</td>
</tr>
<tr>
<td>PLT1106-12-1</td>
<td>2.75</td>
<td>PLT1106</td>
</tr>
</tbody>
</table>

---

### Table of Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Min.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>L Ref.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLT1106</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Typical Installation

**VISUAL MECHANICAL LOCK**

---

### Notice

**PROPRIETARY AND CONFIDENTIAL:**

The information set forth herein is given in confidence and this document will not be copied or reproduced in whole or in part, nor its contents disclosed by any means to any person except to meet the purpose for which it was delivered. The information contained herein is given in confidence and the delivery of this document shall not constitute any right or license to do so.

*a TriMas company*
PROCUREMENT SPEC: ESCBB-9, CLASS 4.

MATERIAL: NUT & SCREW: 6AL-4V TITANIUM PER AMS4928 OR AMS4967.
SLEEVE: CORROSION RESISTANT STEEL.

HEAT TREAT: NUT & SCREW: HEAT TREAT PER AMS-H-81200. MAX. HYDROGEN 125 PPM.
SLEEVE: AS REQUIRED FOR PERFORMANCE.

FINISH & LUBRICANT: NUT: DRY FILM LUBE PER ASS272 TYPE 1 OR EVELUBE 812 PER MIL-PRF-81329 AND/OR CETYL ALCOHOL PER AS87132, AS REQUIRED FOR PERFORMANCE.
SLEEVE: PASSIVATE PER AMS2700. DRY FILM LUBE PER ASS272 TYPE 1 OR EVELUBE 812 PER MIL-PRF-81329, WWM CARBO-WAX, PARAFFIN WAX, AND/OR CETYL ALCOHOL PER AS87132, AS REQUIRED FOR PERFORMANCE.
SCREW: DRY FILM LUBE PER ASS272 TYPE 1 OR EVELUBE 812 PER MIL-PRF-81329, WWM CARBO-WAX, PARAFFIN WAX, AND/OR CETYL ALCOHOL PER AS87132, AS REQUIRED FOR PERFORMANCE.

PART CODE & EXAMPLE:

PLT1106 ( ) - 08 - 08

GRIP LENGTHS IN 1/16THS.
NOMINAL BODY DIAMETER IN 1/32NDS.
DESIGNATES SPECIAL FINISH CODE, SEE ESCBB-4.
BASIC PART NUMBER, SELF LOCKING BLIND FASTENER.

GENERAL NOTES:

1. OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "E" DIAMETER.
2. CONCENTRICITY OF NUT HEAD CONICAL SURFACE TO "D" DIAMETER SHALL BE WITHIN .005" T.I.R., (EXCEPT OVER INDENTS).
3. REMOVE ALL LOOSE OR HANGING BURRS.
5. MANUFACTURER'S IDENTIFICATION: LETTER "N" DESIGNATES MONOGRAM/AEROSPACE FASTENERS. LETTERS "VS" DESIGNATE VOI-SHAN.
6. HEAD MARKINGS ON NUT DEPRESSED .010" MAX.
7. HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.
   EXAMPLE: PLT1106-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS = 0.281".
   THE GRIP RANGE FOR THESE HALF-GRIP SIZES WILL BE NOMINAL GRIP +.031"-.030".
   EXCEPT: THE GRIP RANGE FOR -1.5 GRIP SHALL BE MAX GRIP = 0.125", MIN GRIP = 0.078".
   THE BASIC "G" DIMENSION WILL BE NOMINAL GRIP +.031" AND THE OVERALL SCREW LENGTH "L" DIMENSION MAY VARY AT MANUFACTURER'S OPTION.
8. THESE PARTS HAVE A CLOSE TOLERANCE (.0005 INCH) GROUND SHANK AND ARE INTENDED FOR UP TO .0035 INCH DIAMETRAL INTERFERENCE FIT APPLICATIONS.
9. 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 MAXIMUM "D" + .001". FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS.
10. OUTSIDE DIAMETER OF NUT TO CONFORM TO "D" DIAMETER EXCLUDING LUBRICATION.
11. GRIP "G" IS MEASURED TO THE THEORETICAL INTERSECTION ON THE NUT NOSE ANGLE AND "D" NUT SHANK OUTER DIAMETER.