## Table of Dimensions

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<th>PART NUMBER</th>
<th>NOM DIA.</th>
<th>A HEX.</th>
<th>C MAX.</th>
<th>D DIA.</th>
<th>E DIA. MAX</th>
<th>F FLATS</th>
<th>J DIA. MAX</th>
<th>K MAX.</th>
<th>N MIN.</th>
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### Notes:
- **R**: Reference for drive nut.
- **E**: Maximum available grip length.
- **K**: Maximum grip + .010" (0.254mm) reference.
- **H**: Head height.
- **J**: Diameter.
- **F**: Flats.
- **D**: Diameter.
- **C**: Maximum.
- **A**: Hex.
- **PLT5225-**

---

### Distortion of D Diameter

**MAX. GRIP + .010"**

(0.254mm) reference.

**MAX. GRIP**

---

### Break-Off Limits

**Measured from Skin Surface**

**K**

---

### Typical Installation

**A**

---

### Manufacturer's Identification

**MONORAM = "N"**

**VOI-SHAN = "VS"**

**RECESS OPTIONAL IN HEAD OF NUT**

---

### Alloy Identification

**"SL" INDICATES SELF LOCKING**

**O INDICATES A286 CRES**

---

### Plot Numbers

**PLT5225-12-( ) .3735 9.487**

**PLT5225-10-( ) .3105 7.887**

**PLT5225-08-( ) .2480 6.299**

**PLT5225-06-( ) .1890 4.800**

**PLT5225-05-( ) .1635 4.153**

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### Break-off Limits

**Max. grip + .010"**

---

### Distortion of D Diameter

**Max. grip + .010"**

---

### Tensile Strength

**High Temperature (A286 Alloy)**

---

### Approval

**MONOGRAM = "N"**

**VOI-SHAN = "VS"**

---

### Notice

**PROPRIETARY AND CONFIDENTIAL**

---

### Drawing Information

**DRAWN BY:**

**DRAWN DATE:**

**APPROVED BY:**

**CHECKED DATE:**

---

### Monogram Aerospace Fasteners

**3423 South Garfield Avenue**

**Commerce, California 90040**

---

### Title

**VISU-LOK® II, FASTENER, BLIND**

**INTERIALLY THEADED, EXTERNAL SLEEVE,**

**FRACTIONAL DIAMETER**

**PROTRUDING HEAD, SELF-LOCKING**

**HIGH TEMPERATURE (A286 ALLOY)**

---

### Additional Notes

**ALLOY IDENTIFICATION**

**SELF LOCKING**

**FRAC DET**

**MIN**

**TYPICAL INSTALLATION**

**DOUBLE SHEAR STRENGTH MIN.**

**TENSILE STRENGTH MIN.**

---

### Copyright

**MONOGRAM AEROSPACE FASTENERS**

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### Contact Information

**Address:**

Monogram Aerospace Fasteners

3423 South Garfield Avenue

Commerce, CA 90040

**Phone:**

(323) 722-4760

**Fax:**

(323) 727-1029

**Email:**

sales@monogramfasteners.com

**Website:**

www.monogramfasteners.com
### GRIP RANGE

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### PROCUREMENT SPEC:

PROCUREMENT SPECIFICATION = PLT5000, CLASS 2, TYPE V
PART NUMBER ASSIGNMENT = PLT5001
INSTALLATION AND REMOVAL = PLT5002
SPECIAL LUBE AND FINISH = PLT5003

### MATERIAL:

NUT, SCREW, & SLEEVE: CORROSION AND HEAT RESISTANT STEEL TYPE A286 PER AMS5731, AMS5732, OR AMS5737.
DRIVE NUT: MILD STEEL.

### HEAT TREAT:

NUT & SLEEVE: SOLUTION HEAT TREATED AND AGED TO A CORE HARDNESS OF HRC 30-45. ALL CORE HARDNESS READINGS ARE TAKEN ON MOUNTED SPECIMEN, USING A BRALE PENETRATOR AND 30 KG LOAD (ROCKWELL 30N).
SLEEVE: SOLUTION TREATED.
DRIVE NUT: AS REQUIRED FOR PERFORMANCE.

### FINISH:

" - " NUT, SCREW, & SLEEVE: PASSIVATE PER AMS2700.
DRIVE NUT: CORROSION RESISTANT COATING. COLOR BLACK.
DRIVE NUT: CORROSION RESISTANT COATING. COLOR BLACK.

### LUBRICANT:

SOLID DRY FILM LUBE PER THE CHEMICAL REQUIREMENTS OF ASS5272 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:

PLT5225 A - 08 - 08
Grip lengths in 1/16ths
Nominal body diameter as tabulated designates special finish code, see PLT5003
Basic part number, self-locking blind fastener

### GENERAL NOTES:

1. Locking feature consists of three (3) indentations located 120° apart on the periphery of the nut component.
2. 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).
3. Half-grip sizes may be ordered by adding (.5) to the grip dash numbers.
   Example: PLT5225-06-4.5 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).
4. Second grip number [GRIP RANGE] -17 through -32 not available in -05 diameter.
5. Head markings depressed .010" (0.254mm MAX.), position optional.

### TITLE:

VISU-LOK® II, FASTENER, BLIND INTERNALEY THREADED, EXTERNAL SLEEVE, FRACTIONAL DIAMETER PROTRUDING HEAD, SELF-LOCKING HIGH TEMPERATURE (A286 ALLOY)