

FED. SUPPLY CLASS

5320

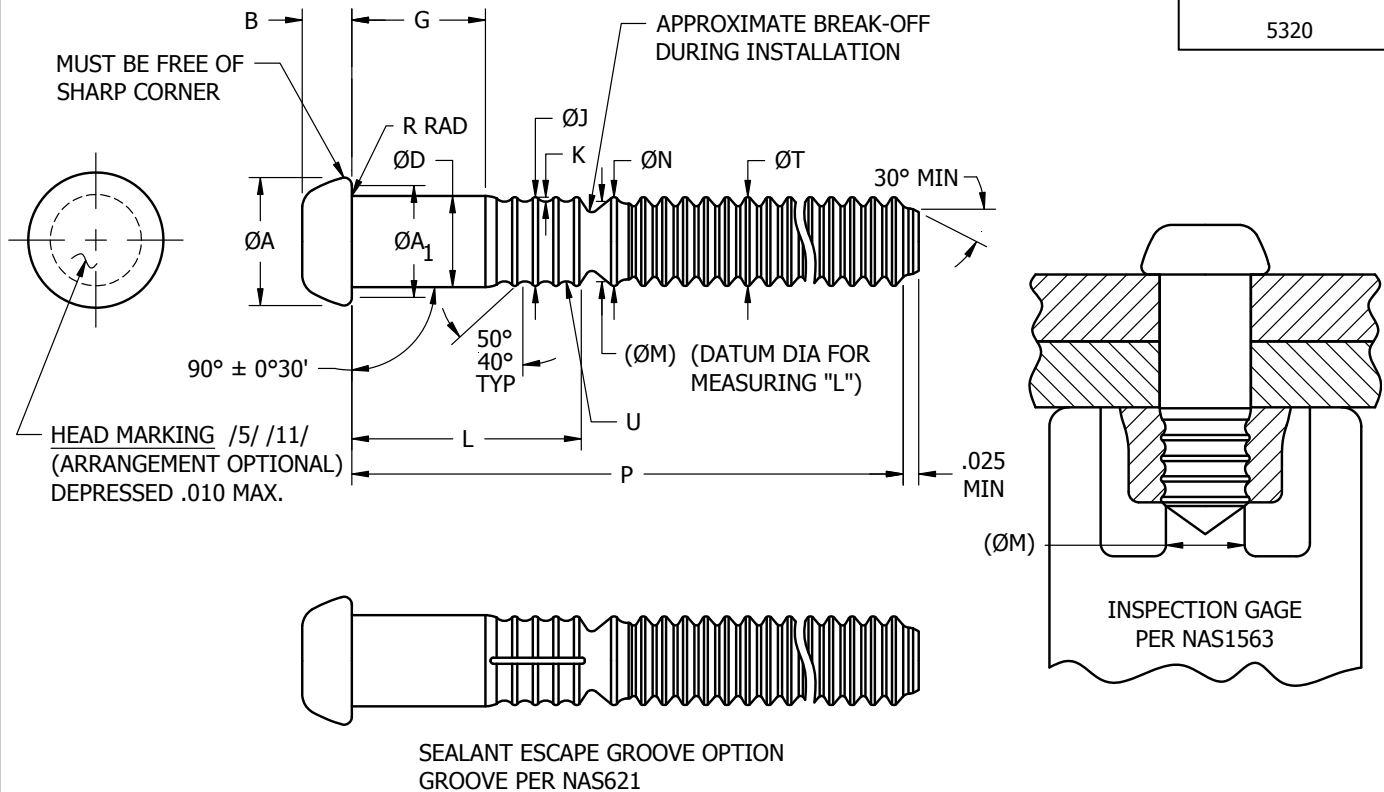


TABLE I – DIMENSIONS

| BASIC PART NO. | STANDARD |                | OVERSIZE |                | ØA           | ØA1 /6/ | B            | ØJ           | K            | (ØM) GAGE | ØN           | R RAD        | ØT MAX | U /4/ | V HEAD MARKING /5/ |
|----------------|----------|----------------|----------|----------------|--------------|---------|--------------|--------------|--------------|-----------|--------------|--------------|--------|-------|--------------------|
|                | NOM SIZE | ØD SHANK       | NOM SIZE | ØD SHANK       |              |         |              |              |              |           |              |              |        |       |                    |
| NAS2005        | .164     | .1640<br>.1635 | —        | —              | .282<br>.258 | .248    | .095<br>.085 | .158<br>.152 | .012<br>.008 | .136      | .158<br>.144 | .020<br>.010 | .158   | 4     | 2005V              |
| NAS2006        | .190     | .1895<br>.1890 | .203     | .2026<br>.2021 | .327<br>.297 | .285    | .111<br>.099 | .185<br>.177 | .015<br>.011 | .164      | .185<br>.169 | .025<br>.015 | .183   | 4     | 2006V              |
| NAS2008        | .250     | .2495<br>.2490 | .266     | .2651<br>.2646 | .430<br>.390 | .362    | .147<br>.128 | .242<br>.235 | .018<br>.014 | .224      | .242<br>.221 | .025<br>.015 | .243   | 4     | 2008V              |
| NAS2010        | .312     | .3120<br>.3115 | .328     | .3276<br>.3271 | .535<br>.485 | .438    | .184<br>.158 | .305<br>.294 | .023<br>.017 | .268      | .305<br>.276 | .030<br>.020 | .299   | 5     | 2010V              |
| NAS2012        | .375     | .3745<br>.3740 | .391     | .3901<br>.3896 | .655<br>.595 | .533    | .224<br>.194 | .368<br>.361 | .027<br>.021 | .339      | .368<br>.336 | .030<br>.020 | .359   | 5     | 2012V              |

MATERIAL:

TITANIUM ALLOY – 6AL-4V (UNS R56400) PER PROCUREMENT SPECIFICATION.

HEAT TREATMENT:

MINIMUM SHEAR STRENGTH 95 KSI.

⑤ COMPLETELY REVISED

|                                            |                                                                                                        |                                                       |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| THIRD ANGLE PROJECTION                     | CUSTODIAN<br>NATIONAL AEROSPACE STANDARDS COMMITTEE                                                    | REVISION<br><b>5</b>                                  |
|                                            |                                                                                                        |                                                       |
| PROCUREMENT SPECIFICATION<br><b>NAS621</b> | TITLE<br><b>BOLT, LOCK, TENSION, PROTRUDING HEAD, STANDARD AND OVERSIZE, PULL-TYPE, TITANIUM ALLOY</b> | CLASSIFICATION<br>PART STANDARD                       |
|                                            |                                                                                                        | <b>NAS2005</b><br><b>THRU NAS2012</b><br>SHEET 1 OF 3 |

FINISH:

NONE

LUBRICATION:

CHLORINE FREE CETYL ALCOHOL.

CODE:

DASH NUMBER DESIGNATES NOMINAL GRIP IN .0625 INCREMENTS.  
ADD "V" AFTER BASIC PART NUMBER FOR 6AL-4V TITANIUM ALLOY.  
ADD "H" AFTER BASIC NUMBER WHEN SEALANT ESCAPE GROOVE IS REQUIRED.  
ADD "A" SUFFIX IF OVERSIZE IS REQUIRED.

EXAMPLES OF PART NUMBERS:

NAS2006V08 = Ø.190, 6AL-4V TITANIUM ALLOY PIN, PROTRUDING HEAD, PULL-TYPE, .500 GRIP.  
NAS2006VH08 = Ø.190, 6AL-4V TITANIUM ALLOY PIN, PROTRUDING HEAD, SEALANT ESCAPE GROOVE, PULL-TYPE, .500 GRIP.  
NAS2006V08A = Ø.203, 6AL-4V TITANIUM ALLOY PIN, PROTRUDING HEAD, PULL-TYPE, .500 GRIP, OVERSIZE SHANK DIAMETER.  
NAS2006VH08A = Ø.203, 6AL-4V TITANIUM ALLOY PIN, PROTRUDING HEAD, SEALANT ESCAPE GROOVE, PULL-TYPE, .500 GRIP, OVERSIZE SHANK DIAMETER.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (2) FOR RECOMMENDED HOLE SIZES, SEE NAS618.
- (3) FOR COLLAR SELECTION, MINIMUM TENSILE STRENGTH, AND INSPECTION GAGE, SEE NAS1080.
- /4/ NUMBER OF LOCKING GROOVES.
- /5/ HEAD MARKING: "NAS" MAY BE INCLUDED IN HEAD MARKING AT OPTION OF FASTENER MANUFACTURER.
- /6/ MINIMUM BEARING DIAMETER.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (9) REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

REVISION

5

NAS2005  
THRU NAS2012  
SHEET 2



Document Sharing Hub

5 COMPLETELY REVISED

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America Inc. MS PRODUCED UNDER NATIONAL AEROSPACE STANDARD: AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF  
Provided by IHS under license with AIA/NAS Licensee= www.sepana.ir/5991803002, User=sam, albert  
No reproduction or networking permitted without license from IHS Not for Resale, 01/04/2016 09:47:45 MST

Full document details: AIA NAS2005-2012 2012