

TABLE 1

(D)

| THREAD SIZE CODE | THREAD SIZE PER FED-STD-H28 2 LEAD, MODIFIED MINOR Ø | A MAX. | ØB MAX. FLOATING | C REF. | D ±.015 | J ±.002 | K              | T ±.005 | H ±.020 | AXIAL STRENGTH LBS. MIN. | PUSH-OUT LBS. MIN. | TORQUE-OUT IN-LBS. MIN. | MAX. SEATING TORQUE IN-LBS. | MAX. INSTALLATION TORQUE IN-LBS. | MIN. BREAKAWAY TORQUE IN-LBS. |
|------------------|------------------------------------------------------|--------|------------------|--------|---------|---------|----------------|---------|---------|--------------------------|--------------------|-------------------------|-----------------------------|----------------------------------|-------------------------------|
| -4               | .2500-28UNF-3B                                       | .960   | .615             | .344   | .450    | .687    | Ø .103<br>.098 | .025    | .452    | 2,845                    | 400                | 100                     | 85                          | 30                               | 3.5                           |
| -5               | .3125-24UNF-3B                                       | 1.150  | .710             | .438   | .560    | .875    | Ø .125<br>.135 | .030    | .535    | 4,600                    |                    | 160                     | 100                         | 60                               | 6.5                           |
| -6               | .3750-24UNF-3B                                       |        | .800             |        | .630    |         |                |         | .610    | 7,300                    |                    | 240                     |                             | 85                               | 9.5                           |

## NOTES (UNLESS OTHERWISE SPECIFIED):

- MATERIAL:  
NUT ELEMENT: A286 CRES PER AMS5731, AMS5732, OR AMS5737.  
CAGE: 17-7PH CRES PER AMS5528 OR AMS5529.
- HEAT TREAT:  
NUT ELEMENT: 160 KSI MIN. PER AMS-H-6875 OR AMS2759.  
CAGE: CONDITION TH1050 PER AMS-H-6875 OR AMS2759.
- FINISH:  
NUT ELEMENT: SILVER PLATE PER AMS2410 AND DRY FILM LUBE PER AS5272. ANTI-SEIZE COMPOUND PER MIL-PRF-907 APPLIED TO INTERNAL THREADS AFTER DRY FILM LUBE.  
CAGE:  
NO CODE: GLASS BEAD BLAST AND PASSIVATED PER AMS2700.  
"C" CODE: GLASS BEAD BLAST AND CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2
- PARTS SHALL BE LEGIBLY AND PERMANENTLY MARKED WITH MANUFACTURER'S IDENTIFICATION LETTER "M", MARKING LOCATION & ORIENTATION ARE OPTIONAL.
- NUT ELEMENT RADIAL FLOAT SHALL NOT BE LESS THAN .020 INCHES FROM THE CENTERED POSITION. NUT ELEMENT SHALL BE CAPABLE OF ENGAGEMENT WITH BOLT AT MAXIMUM MISALIGNED POSITION.
- NUT ELEMENT SELF-LOCKING FEATURE SHALL BE CAPABLE OF 250 SEATED CYCLES AT ROOM TEMPERATURE.
- FOR THE PURPOSE OF QUALITY PERFORMANCE INSPECTION TESTING OF LOCKING TORQUE, REDUCED TESTING MAY BE ACCOMPLISHED UNDER THE FOLLOWING CONDITIONS:  
A) THE FIRST THREE LOTS OF THIS NUT ELEMENT MUST PASSED THE 250 SEATED CYCLE REQUIREMENTS PER TABLE 1.  
B) SATISFACTORY TEST DATA DEMONSTRATING THE TORQUE RESULTS AFTER FIFTY REUSE CYCLE ARE SUBSTANTIALLY EQUAL TO THE FIRST FIFTY CYCLES OF A PREVIOUSLY CERTIFIED QUALIFICATION TEST OF 250 CYCLES OF DURATION.

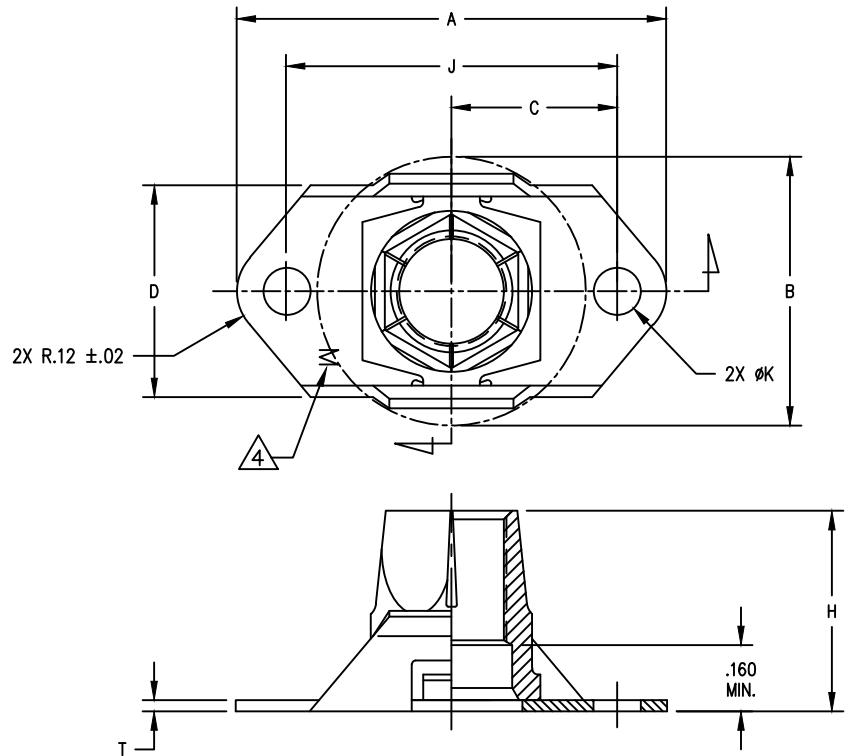
## 8. EXAMPLE OF PART NUMBER CODING:

122018-( ) ( )

CAGE FINISH OPTION (SEE NOTE 3)

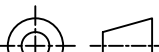
THREAD SIZE CODE (SEE TABLE 1)

BASIC PART NO.



FAA-TSO AUTHORIZED PART

|      |         |       |         |                                                                                                                                                                  |
|------|---------|-------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D    | 0066    | JT    | 4/17/24 | REPRODUCTION OF THIS DRAWING OR MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN PERMISSION OF LISI AEROSPACE THE MONADNOCK COMPANY IS PROHIBITED |
| C    | 12200   | JC    | 4/15/20 |                                                                                                                                                                  |
| REV. | ECN NO. | INIT. | DATE    |                                                                                                                                                                  |

|                                                                                      |  |                                                                                                                                                                    |  |                                                     |  |                                                                                                   |  |       |                 |              |
|--------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--|-------|-----------------|--------------|
| <u>NEXT ASSEMBLY</u>                                                                 |  | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE AS FOLLOWS:<br>DECIMALS      FRACTION      ANGLES<br>±.010                —                ±2° |  | IBM NUMBER:<br><br>N/A                              |  | <b>lisi</b> AEROSPACE THE MONADNOCK COMPANY<br>16728 E. GALE AVE.<br>CITY OF INDUSTRY, CALIFORNIA |  |       |                 |              |
| END ITEM                                                                             |  | MATERIAL:<br><br>NOTED                                                                                                                                             |  | PROJECT NUMBER:<br><br>0512-013                     |  | TITLE:<br><br>NUTPLATE ASSEMBLY,<br>FLOATING, 2 LUG, 2 LEAD THREAD,<br>A286 CRES, 160 KSI         |  |       |                 |              |
| <u>THIRD ANGLE PROJECTION</u>                                                        |  | HEAT TREAT:<br><br>NOTED                                                                                                                                           |  | DRAWN BY:      DATE<br>TT                3/4/08     |  | CAGE CODE                                                                                         |  | SIZE  | DRAWING NUMBER: |              |
|  |  | FINAL PROTECTIVE FINISH:<br>NOTED                                                                                                                                  |  | APPROVED BY:      DATE<br>IK                4/10/08 |  | 60119                                                                                             |  | A     | 122018-( ) ( )  |              |
|                                                                                      |  |                                                                                                                                                                    |  |                                                     |  | SCALE: NONE                                                                                       |  | SALES |                 | SHEET 1 OF 1 |