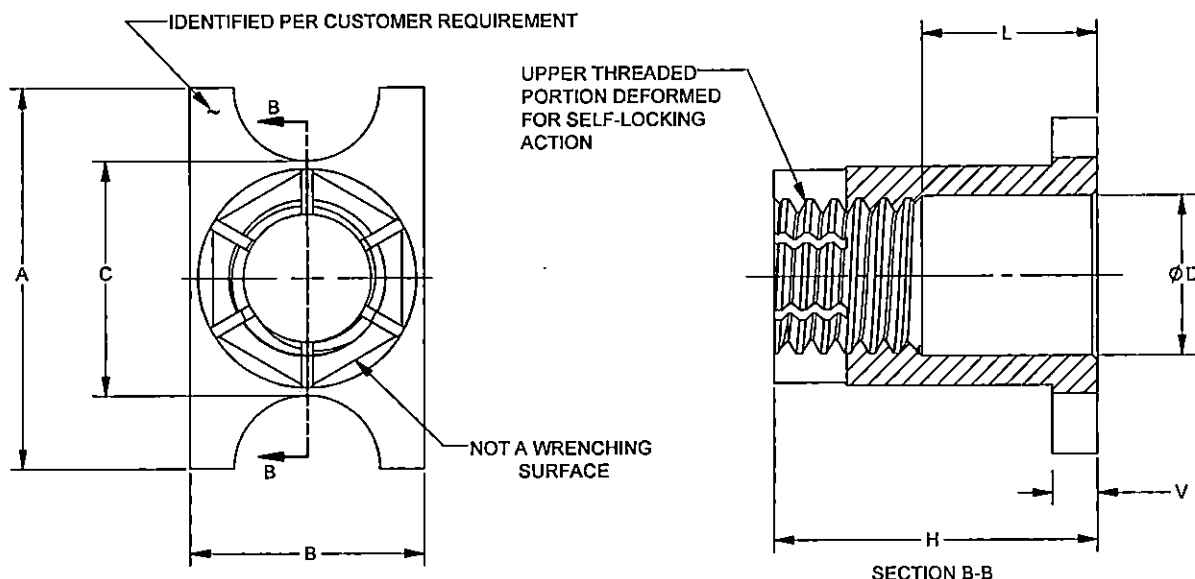




MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.

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| PART DASH NUMBER | THREAD UNJF-3B <7> | A ±.005 | B ±.005 | C ±.005 | D DIA MIN | H MAX | L C'BORE DEPTH MIN | V            | AXIAL TENSILE STRENGTH LBS MIN | SEATING TORQUE IN-LBS <6> | MAX WEIGHT LB/100 |
|------------------|--------------------|---------|---------|---------|-----------|-------|--------------------|--------------|--------------------------------|---------------------------|-------------------|
| -3-1             | .1900 - 32         | .487    | .300    | .300    | .194      | .208  | .041               | .040<br>.030 | 2,825                          | 25                        | .16               |
| -3-2             |                    |         |         |         |           | .270  | .100               |              |                                |                           | .23               |
| -3-3             |                    |         |         |         |           | .333  | .163               |              |                                |                           | .28               |
| -3-4             |                    |         |         |         |           | .396  | .225               |              |                                |                           | .33               |
| -3-5             |                    |         |         |         |           | .458  | .288               |              |                                |                           | .38               |
| -3-6             |                    |         |         |         |           | .520  | .350               |              |                                |                           | .43               |
| -4-1             | .2500 - 28         | .562    | .400    | .362    | .254      | .253  | .036               | .052<br>.040 | 5,060                          | 60                        | .37               |
| -4-2             |                    |         |         |         |           | .315  | .100               |              |                                |                           | .47               |
| -4-3             |                    |         |         |         |           | .377  | .163               |              |                                |                           | .56               |
| -4-4             |                    |         |         |         |           | .439  | .225               |              |                                |                           | .64               |
| -4-5             |                    |         |         |         |           | .501  | .288               |              |                                |                           | .74               |
| -4-6             |                    |         |         |         |           | .563  | .350               |              |                                |                           | .82               |
| -5-1             | .3125 - 24         | .727    | .480    | .478    | .317      | .294  | .036               | .064<br>.050 | 7,000                          | 100                       | .70               |
| -5-2             |                    |         |         |         |           | .350  | .100               |              |                                |                           | .76               |
| -5-3             |                    |         |         |         |           | .411  | .163               |              |                                |                           | .87               |
| -5-4             |                    |         |         |         |           | .474  | .225               |              |                                |                           | .99               |
| -5-5             |                    |         |         |         |           | .536  | .288               |              |                                |                           | 1.10              |
| -5-6             |                    |         |         |         |           | .599  | .350               |              |                                |                           | 1.20              |

ORIGINAL DESIGN ACTIVITY: CAGE CODE 29372, TRIDAIR PRODUCTS

APPROVED DATE

28 APR 93

REV. LETTER DATE

B 17 NOV 21

CURRENT DESIGN ACTIVITY:

Howmet Fastening Systems (HFS)

TORRANCE OPERATIONS

TITLE:

**NUT-SELF-LOCKING,  
COUNTERBORE  
REPLACEABLE ELEMENT**

CURRENT DESIGN ACTIVITY:

CAGE CODE: 29372

SALES DRAWING NO.

DAF NUMBER

121058

**TRIDAIR PRODUCTS**  
3000 W. LOMITA BLVD.  
TORRANCE, CA. 90505

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES &  
ASME Y14.5M TOLERANCES:

ANGLES  
DECIMALS

JXX = ±3°  
XXX = ±.02  
XXX = ±.010

**FBL10044**

SHEET 1 OF 2


**HOWMET  
AEROSPACE**

NOTES; UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: CRES A286 PER AMS 5732 OR AMS 5737. MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR 1.0) FOR A FIELD STRENGTH OF 200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER MIL-I-17214 OR EQUAL.
2. FINISH:
  - 2.1 NO CODE - (850°F) SILVER PLATE PER AMS 2410 TO A .0002 MINIMUM THICKNESS ON SURFACE WHICH CAN BE TOUCHED BY A .750 DIAMETER BALL. THREADS SHALL SHOW COMPLETE COVERAGE BUT THICKNESS REQUIREMENT WAIVED.
  - 2.2 "C" CODE - (450°F) CADMIUM PLATED PER AMS-QQ-P-416 TYPE II CLASS 2. EXCEPT EMBRITTLEMENT RELIEF BAKE TO BE (3) THREE HOURS MINIMUM.
  - 2.3 "CN" CODE - ELECTROLESS NICKEL PLATED PER MIL-C-26074, CLASS 1. OPTIONAL: NICKEL PLATED PER AMS 2403
3. LUBRICANT: MOLYBDENUM DISULFIDE DRY FILM LUBRICANT PER AS5272. ANTI-SEIZE COMPOUND PER MIL-PRF-907 IS ADDED TO THREADS AFTER DRY FILM LUBE.
4. PROCUREMENT SPECIFICATION: NASM 25027, EXCEPT SEATING TORQUE AND MINIMUM TENSILE STRENGTH AS TABULATED. TEST BOLTS SHALL BE 160 KSI MINIMUM TENSILE STRENGTH <6>.
5. ALL DIMENSION IN INCHES.
- <6> LOCKING TORQUE RE-USEABILITY IS REQUIRED FOR 50 SEATED CYCLES USING TO THE NOTED TORQUE LOADS. TEST BOLT MATERIAL TO BE A286.
- <7> THREADS PER AS8879 BEFORE PLATING, LUBRICATION AND FORMING, SELF-LOCKING ACTION.

## 8. PART NUMBER CALLOUT EXAMPLE:

FBL10044 C 4 - 2  
 └── L= .100, MAX H = .315  
 └── .2500-28UNJF-3B THREADS  
 └── CADMIUM PLATED  
 (FINISH IN LIEU OF DASH NUMBER)  
 └── BASIC PART NUMBER

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 ANGLES  
 DECIMALS

 .XX = ±.02  
 .XXX = ±.010

**FBL10044**

SHEET 2 OF 2

S43245