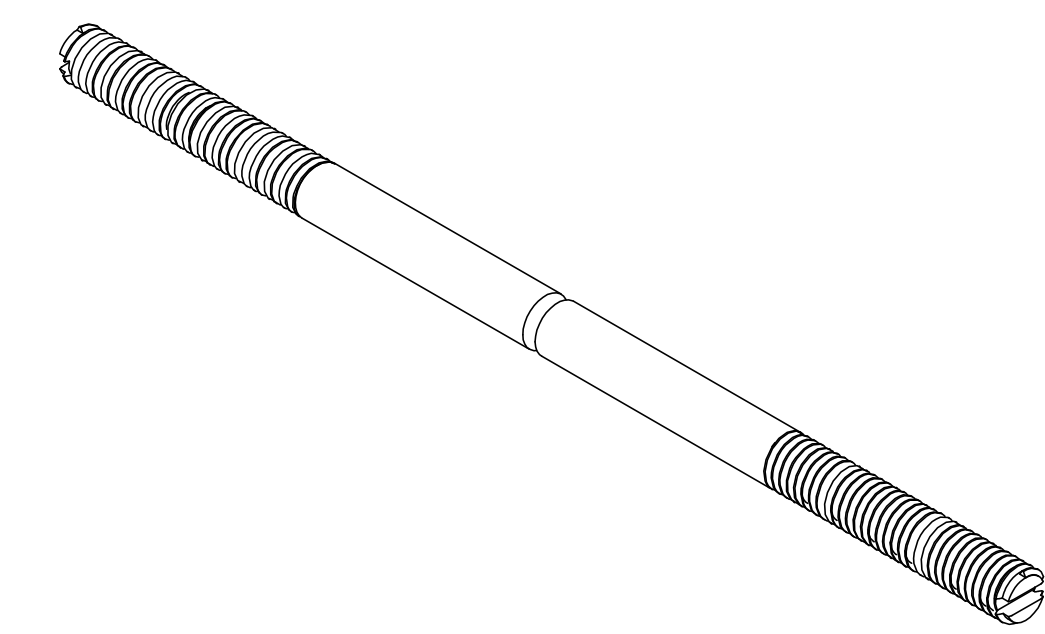


DWG NO. F22111		SH 1	REV -	1	
REVISION HISTORY					
ZONE	REV	DESCRIPTION	DATE	APPROVED	
--	-	INC CR 44988	RAS	08-18-2022	BMG

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2101)	
CRITICAL -	0
MAJOR -	0
MINOR -	ALL OTHER CHARACTERISTICS



REFERENCE VIEW

- NOTES: UNLESS OTHERWISE SPECIFIED
- APPLICABLE STANDARDS/SPECIFICATIONS:  
A. ASME Y14.100-2017  
B. ASME Y14.5M-2009
  - MATERIAL: Ti 6Al-4V IAW AMS-4965.
  - REMOVE ALL BURRS AND SHARP EDGES; BREAK EDGES .015 MAX. ALL FILLETS R.005 - .015.
  - SURFACE ROUGHNESS 63 MICROINCHES MAX.
  - MARK PART NO. AND REV LTR AT A MINIMUM ON PACKAGING, METHOD OPTIONAL. DO NOT MARK PHYSICAL PART. BAGGING / TAGGING OF INDIVIDUAL PARTS NOT REQUIRED.
  - WORKMANSHIP REQUIREMENTS:  
A. FINISHED PART SHALL BE CLEAN AND FREE FROM RESIDUES, OILS, GREASE AND OTHER CONTAMINANTS / FOREIGN ELEMENTS.
  - 10% OF FASTENERS (MIN.) ARE SUBJECT TO TENSILE TESTING IAW GTP8000/1061. DATA PROVIDED AS PART OF EIDP (END ITEM DATA PACKAGE).
  - FINISH: TITANIUM ANODIZE OR TIODIZE IAW AMS-2488, TYPE II.
  - TABLE I DIMENSIONS TO BE USED FOR REFERENCE AND BY CUSTOMERS THAT DO NOT PROVIDE UNIQUE SPECIFICATIONS OR DRAWINGS. CUSTOM FASTENERS AVAILABLE UPON REQUEST.
  - MINIMUM LENGTH OF FULL SHANK DIAMETER REQUIRED BETWEEN THREADS AND CENTER OF NOTCH DEFINED IN TABLE I.
  - NOTCH GEOMETRY IAW EBAD SPECIFICATION F81088 TO YIELD TENSILE STRENGTH IAW GTP8000/1061.
  - ALL THREADS SHALL BE ROLLED IAW AS8879 WITH THE EXCEPTION OF 1/2" THREADS (FC8 FASTENERS) WHICH MAY BE CUT.
  - DIMENSIONS COINCIDES WITH MAXIMUM GRIP LENGTH. VALUE MUST BE LIMITED PER TABLE I FOR FASTENERS PAIRED WITH STANDARD ALLOY C FRANGIBOLTS (FCX). GRIP LENGTH MAY BE EXTENDED FOR FASTENERS USED WITH SUBSEA ALLOY B FRANGIBOLTS (FBUX) WITH EBAD ENGINEERING REVIEW AND APPROVAL.

- FEATURE SHOWN IS SCREWDRIVER SLOT, AND IS ONLY REQUIRED AS DEFINED IN PART NUMBER (REF NOTE 14).
- PART NAMING CONVENTION:  
STUD FRBLT FSTNR, .XXX-XX X X.XX

M (SHAFT LENGTH; NOTE: THE DECIMAL IS INCLUDED IN THE PART NAMING BUT IT SHOULD NOT BE INCLUDED IN THE PART NUMBER AS INDICATED BY NOTE 14)

G (THREAD TYPE), FORMATTED AS SHOWN

EXAMPLE OF PART NUMBER AND NAMING CONVENTION:

F22111-04-0250J-130 PART NAME: STUD FRBLT FSTNR, .112-40 X 1.30  
DESCRIPTION: DBL FRBLT FSTNR, SIZE .112-40 X 1.30 LONG, WITH SCREWDRIVER SLOTS

F22111-04-0250J-130-0650T PART NAME: STUD FRBLT FSTNR, .112-40 X 1.30  
DESCRIPTION: FRBLT FSTNR, SIZE .112-40 X 1.30 LONG, WITH SCREWDRIVER SLOTS, NOTCHED, TITANIUM ANODIZED.

- TABLE II TO BE COMPLETED BY CUSTOMER FOR MANUFACTURING PURPOSES ONLY. REQUIRED NUMBER OF SIGNIFICANT FIGURES SHOWN FOR EACH DIMENSION. DEVIATION FROM NUMBER OF SIGNIFICANT FIGURES WILL REQUIRE A CUSTOM DRAWING.
- DIMENSIONAL LIMITS AND SURFACE ROUGHNESS APPLY AFTER PLATING/COATING.
- FRANGIBOLT® IS A REGISTERED TRADEMARK OF EBAD. FRANGIBOLT® WILL BE REFERENCED AS "FRBLT" ON THIS DRAWING.

PART NO.	DESCRIPTION	NOTES
F22111-XX-XXXXJ-XXX-XXXXT	STUD FRBLT FSTNR ICD, TI-ANOD	ALL NOTES APPLY
F22111-XX-XXXXJ-XXX-XXXX	STUD FRBLT FSTNR, NOTCH & TST	ALL NOTES APPLY EXCEPT NOTE 8
F22111-XX-XXXXJ-XXX	STUD FRBLT FSTNR, MACHINE	ALL NOTES APPLY EXCEPT 7, 8, 11

INFORMATION COPY  
WILL NOT BE UPDATED

SIZE CODE	L (THREADED LENGTH; X.XXX)	M (SHAFT LENGTH; X.XX)	N (NOTCH LOCATION; X.XXX)
CUSTOMER NAME:	PURCHASE ORDER #:		
AUTHORIZED SIGNATURE:	DATE:		
PART NUMBER (SEE NOTES 14 & 16):			

- ORDERING INFORMATION AS FOLLOWS:  
**F22111-XX-XXXXJ-XXX-XXXXT**

DO NOT INCLUDE DECIMALS IN FINAL PN. REFERENCES SHOWN BELOW ARE MEANT TO SHOW REQUIRED NUMBER OF SIGNIFICANT FIGURES FOR EACH DIMENSION.

INCLUDE IF TITANIUM ANODIZE FINISH IS REQUIRED. OTHERWISE OMIT.

N (NOTCH LOCATION) (REF X.XXX)  
M (SHAFT LENGTH) (REF X.XX)  
INCLUDE IF SCREW DRIVER SLOT IS REQUIRED ON L. OTHERWISE OMIT.

L (THREADED LENGTH) (REF X.XXX)

SIZE CODE, SEE TABLE I.

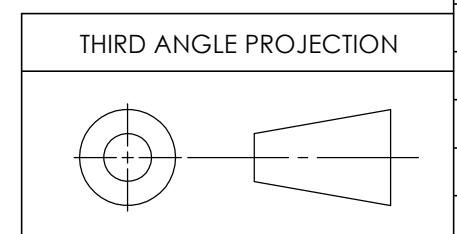
BASIC PART NUMBER

PART NO. SEE TABLE III

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: ANGLES ± 1° 1 PLACE DECIMAL ± .1 2 PLACE DECIMAL ± .01 3 PLACE DECIMAL ± .005		CONTRACT NO.		<b>EBAD</b> Ensign-Bickford Aerospace & Defense	
DO NOT SCALE DRAWING		CONTRACTOR			
MATERIAL: 2	FINISH: 8	DRAWN BY: CB	DATE: 05-03-2022	STUD STD FRBLT FSTNR ICD	
APPLICATION		CHECKER: BMG	DATE: 08-17-2022		
NEXT ASSY		ENGINEER: CB	APPROVED: JEB	SIZE: D	CAGE CODE: 96336
USED ON		APPROVED: SLH	APPROVED: DNT	DWG NO.: F22111	REV: -
SCALE: 3:1		DESIGN ACTIVITY APPROVAL		SHEET 1 OF 2	

