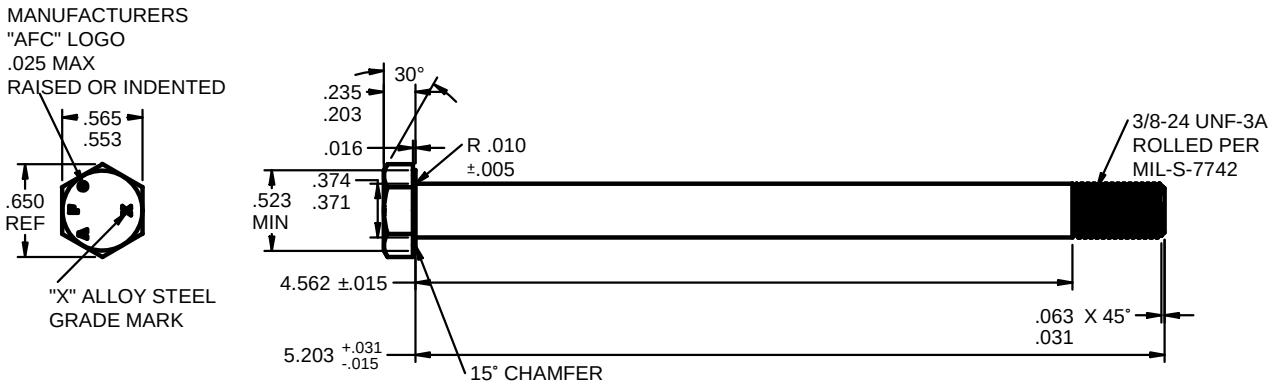

SCALE: 0.75X

DESIGN NOTES: AN6-51A AIRFRAME BOLT

1. LENGTH 5-13/64" (5.203"), GRIP 4-9/16" (4.562"), THREAD 3/8-24 UNF-3A.
2. PROCUREMENT SPECIFICATION NASM6812.
3. MATERIAL ALLOY STEEL PER PROCUREMENT SPECIFICATION.
   UNS G40370 AMS6300 DFAR EXEMPT
   UNS G87400 AMS6322 DFAR APPLIES
   UNS G41400 AMS6382 DFAR APPLIES
   UNS G41300 AMS-S-6758 DFAR APPLIES
4. HEAT TREAT AMS-2759 HRC 26-32.
5. FINISH CADMIUM PLATED PER AMS-QQ-P-416, TYPE 2 (YELLOW), CLASS 2.
6. THREADS 3/8-24 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 10,100 LBS. [44,927 N] MIN.
8. YIELD 7,740 LBS. [34,429 N] MIN.
9. SINGLE SHEAR 8,280 LBS. [36,831 N] MIN. SHORT LENGTH N/A.

ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 6-51 C2 - CADMIUM TYPE 2 YELLOW PLATING
AFC 6-51 CI - CADMIUM TYPE I PLAIN WHITE PLATING
AFC 6-51 TDC - THERMAL DIFFUSION COATED ASTM A1059

- FINISH
- LENGTH 5.203"
- BODY SIZE & THREAD .375-24 UNF-3A
- MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
PART NUMBER: AN6-51A

DIMENSIONS ARE IN INCHES AND TOLERANCES ARE AS SHOWN BELOW, DIMENSIONAL TOLERANCES AND SYMBOLS PER ANSI Y14.5M-1982		PROPRIETARY PARTS SHOWN IN THIS DRAWING ARE THE SUBJECT OF ISSUED UNITED STATES AND FOREIGN PATENTS AND PATENTS PENDING. UNAUTHORIZED REPRODUCTION AND/OR DISTRIBUTION OF THIS DRAWING IS STRICTLY PROHIBITED.		**AIRFASCO.COM** 2655 HARRISON AVE SW, CANTON, OHIO 44706 USA		
		APPROVALS	DATE	PART NUMBER: AN6-51A_AFC6-51C2		REV
ANGLES	±5°	DRAWN M.B.	3/24/14			
.XX	±.03"	CHECKED T.W.	3/24/14	SIZE A	MATERIAL: 4037 / 8740 OR AS NOTED	EST. WEIGHT: .178 / EACH LBS. [80.9 g]
.XXX	±010"	ENG APPR B.E.	3/24/14			
.XXXX	±.001"	MGR APPR D.D.	3/24/14	SCALE: 0.75X	DRAWING NUMBER: AN6-51A_AFC6-51C2	SHEET 1 OF 1