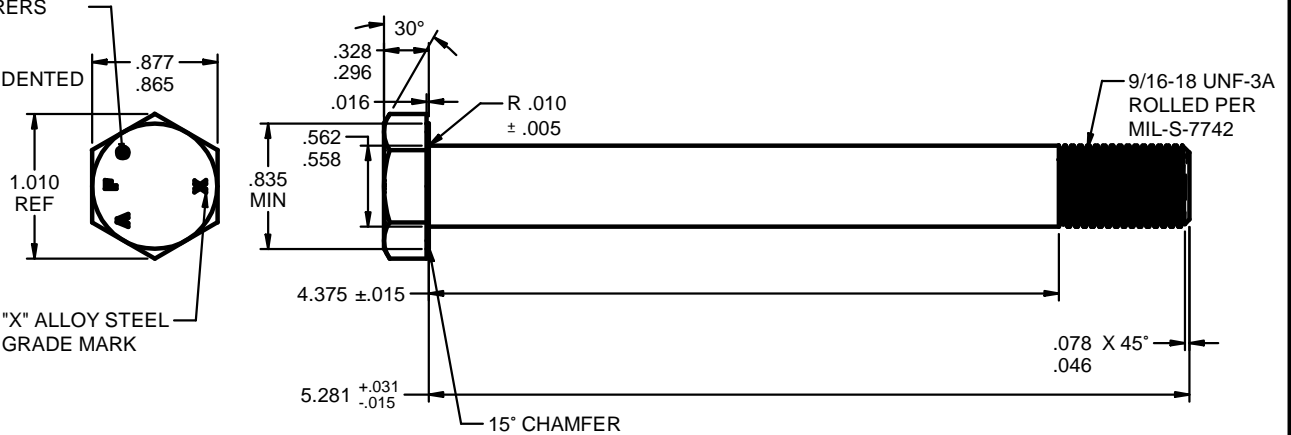


MANUFACTURERS  
"AFC" LOGO  
.025 MAX  
RAISED OR INDENTED



SCALE: 0.75X

**DESIGN NOTES: AN9-51A AIRFRAME BOLT**

1. LENGTH 5-9/32" (5.281"), GRIP 4-3/8" (4.375"), THREAD 9/16-18 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 9/16-18 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 23,600 LBS. [104,978 N] MIN.
8. YIELD 18,100 LBS. [80,512 N] MIN.
9. SINGLE SHEAR 18,700 LBS. [83,181 N] MIN. SHORT LENGTH N/A.



ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 9-51 C2- CADMIUM TYPE 2 YELLOW PLATING  
 AFC 9-51 C1- CADMIUM TYPE 1 PLAIN WHITE PLATING  
 AFC 9-51 TDC- THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH  
 ↑ LENGTH 5.281"  
 ↑ BODY SIZE & THREAD .563-18 UNF-3A  
 ↑ MANUFACTURER AIRFASCO

**UNCONTROLLED**

CONFORMS TO: NASM3 THRU NASM20  
 PART NUMBER: AN9-51A

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.		<b>AIRFASCO.com</b> 2655 HARRISON AVE SW, CANTON, OHIO 44706 USA	
	APPROVALS		DATE	REV
ANGLES ±5°	DRAWN M.B.	11/17/14	PART NUMBER: AN9-51A_AFC9-51C2	
.XX ±.03"	CHECKED T.W.	11/17/14	SIZE A	MATERIAL: 4037 / 8740 OR AS NOTED
.XXX ±.010"	ENG APPR B.E.	11/17/14	EST. WEIGHT: .416 / EACH LBS. [188.8 g]	
.XXXX ±.001"	MGR APPR D.D.	11/17/14	SCALE: 0.75X	DRAWING NUMBER: AN9-51A_AFC9-51C2 SHEET 1 OF 1