



SCALE: 0.6X

DESIGN NOTES: AN9-77A AIRFRAME BOLT

1. LENGTH 8-1/32" (8.031"), GRIP 7-1/8" (7.125"), 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.



.5X ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 9-77 C2 CADMIUM TYPE 2 YELLOW PLATING
AFC 9-77 CI CADMIUM TYPE I PLAIN WHITE PLATING
AFC 9-77 TDG THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
 ↑ LENGTH 8.031"
 ↑ BODY SIZE & THREAD .563-18 UNF-3A
 ↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
 PART NUMBER: AN9-77A

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 DRAWN M.B. DATE 11/17/14		PART NUMBER: AN9-77A_AFC9-77C2 REV	
ANGLES ±5°	CHECKED T.W.	DATE 11/17/14	SIZE A	MATERIAL: 4037 / 8740 OR AS NOTED
.XX ±.03"	ENG APPR B.E.	DATE 11/17/14	EST. WEIGHT: .601 / EACH LBS. [272.7 g]	
.XXX ±.010"	MGR APPR D.D.	DATE 11/17/14	SCALE: 0.6X	DRAWING NUMBER: AN9-77A_AFC9-77C2
.XXXX ±.001"			SHEET 1 OF 1	