



SCALE: 0.6X

DESIGN NOTES: AN8-77A AIRFRAME BOLT

1. LENGTH 7-31/32" (7.968"), GRIP 7-3/16" (7.187"), THREAD 1/2-20 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 1/2-20 UNF-3A ROLLED PER MIL-S-7742.
7. TENSILE 18,500 LBS. [82,292 N] MIN.
8. YIELD 14,190 LBS. [63,120 N] MIN.
9. SINGLE SHEAR 14,700 LBS. [65,388 N] MIN. SHORT LENGTH N/A.



ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 8-77 C2 CADMIUM TYPE 2 YELLOW PLATING
AFC 8-77 CI CADMIUM TYPE I PLAIN WHITE PLATING
AFC 8-77 TDG THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
 ↑ LENGTH 7.968"
 ↑ BODY SIZE & THREAD 0.5-20 UNF-3A
 ↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
 PART NUMBER: AN8-77A

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 6/5/2014 CHECKED T.W. DATE 6/5/2014 ENG APPR B.E. DATE 6/5/2014 MGR APPR D.D. DATE 6/5/2014		PART NUMBER: AN8-77A_AFC8-77C2 REV	
ANGLES ±5° .XX ±.03" .XXX ±.010" .XXXX ±.001"			SIZE A MATERIAL: 4037 / 8740 OR AS NOTED SCALE: 0.6X	EST. WEIGHT: .466 / EACH LBS. [211.5 g] DRAWING NUMBER: AN8-77A_AFC8-77C2 SHEET 1 OF 1