



SCALE: 0.75X

DESIGN NOTES: AN8-51A AIRFRAME BOLT

1. LENGTH 5-7/32" (5.218"), GRIP 4-7/16" (4.437"), 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 PROCESS 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 8-51 C2 - CADMIUM TYPE 2 YELLOW PLATING
AFC 8-51 C1 - CADMIUM TYPE 1 PLAIN WHITE PLATING
AFC 8-51 TDC - THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
 ↑ LENGTH 5.218"
 ↑ BODY SIZE & THREAD 0.5-20 UNF-3A
 ↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
 PART NUMBER: AN8-51A

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 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: AN8-51A_AFC8-51C2 SIZE A MATERIAL: 4037 / 8740 OR AS NOTED EST. WEIGHT: .317 / EACH LBS. [144.0 g]	
ANGLES ±5° .XX ±.03" .XXX ±.010" .XXXX ±.001"	SCALE: 0.75X DRAWING NUMBER: AN8-51A_AFC8-51C2		SHEET 1 OF 1	