



SCALE: 0.75X

**DESIGN NOTES: AN5-80A AIRFRAME BOLT**

1. LENGTH 8-3/32" (8.094"), GRIP 7-9/16" (7.563"), THREAD 5/16-24 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 5/16-24 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 6,500 LBS. [28,913 N] MIN.
8. YIELD 4,980 LBS. [22,152 N] MIN.
9. SINGLE SHEAR 5,750 LBS. [25,577 N] MIN. SHORT LENGTH N/A.



ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 5-80 C2 CADMIUM TYPE 2 YELLOW PLATING  
 AFC 5-80 C1 CADMIUM TYPE 1 PLAIN WHITE PLATING  
 AFC 5-80 TDC THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH  
 ↑ LENGTH 8.094"  
 ↑ BODY SIZE & THREAD .312-24 UNF-3A  
 ↑ MANUFACTURER AIRFASCO

**UNCONTROLLED**

CONFORMS TO: NASM3 THRU NASM20  
 PART NUMBER: AN5-80A

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 DRAWN C.D. DATE 6/10/13 CHECKED T.W. DATE 6/10/13 ENG APPR B.E. DATE 6/10/13 MGR APPR D.D. DATE 6/10/13		PART NUMBER: AN5-80A_AFC5-80C2 SIZE A MATERIAL: 4037 / 8740 OR AS NOTED EST. WEIGHT: .183 / EACH LBS. [83.1 g]	
ANGLES ±5° .XX ±.03" .XXX ±.010" .XXXX ±.001"	SCALE: 0.75X DRAWING NUMBER: AN5-80A_AFC5-80C2		SHEET 1 OF 1	