



DESIGN NOTES: AN9-27A AIRFRAME BOLT

1. LENGTH 3-1/32" (3.031"), GRIP 2-1/8" (2.125"), 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.



ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 9-27 C2 CADMIUM TYPE 2 YELLOW PLATING
 AFC 9-27 CI- CADMIUM TYPE I PLAIN WHITE PLATING
 AFC 9-27 TDC THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
 ↑ LENGTH 3.031"
 ↑ BODY SIZE & THREAD .563-18 UNF-3A
 ↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
PART NUMBER: AN9-27A

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. CHECKED T.W. ENG APPR B.E. MGR APPR D.D.		PART NUMBER: AN9-27A_AFC9-27C2 SIZE A MATERIAL: 4037 / 8740 OR AS NOTED EST. WEIGHT: .267 / EACH LBS. [121.3 g]	
ANGLES ±5° .XX ±.03" .XXX ±.010" .XXXX ±.001"	DATE 11/17/14 11/17/14 11/17/14 11/17/14		REV SCALE: 1.0X DRAWING NUMBER: AN9-27A_AFC9-27C2 SHEET 1 OF 1	