



DESIGN NOTES: AN3-66A AIRFRAME BOLT

1. LENGTH 6-25/32" (6.781"), GRIP 6-3/8" (6.375"), THREAD 10-32 UNF-3A.
2. PROCUREMENT SPECIFICATION NASM6812.
3. PREFERRED 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 10-32 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 2,210 LBS. [9,830 N] MIN.
8. YIELD 1,690 LBS. [7,517 N] MIN.
9. SINGLE SHEAR 2,125 LBS. [9,415 N] MIN. SHORT LENGTH N/A.



EXAMPLE PART NUMBER

AFC 3-66 C2 CADMIUM TYPE 2 YELLOW PLATING
AFC 3-66 C1 CADMIUM TYPE 1 PLAIN WHITE PLATING
AFC 3-66 TDC THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
 ↑ LENGTH 6.781"
 ↑ BODY SIZE & THREAD .190-32 UNF-3A
 ↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
 PART NUMBER: AN3-66A

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	
	APPROVALS			DATE	
ANGLES ±5°	DRAWN C.D.	6/10/13		PART NUMBER: AN3-66A_AFC3-66C2	
.XX ±.03"	CHECKED T.W.	6/10/13		SIZE A	MATERIAL: 4037 / 8740 OR AS NOTED
.XXX ±.010"	ENG APPR B.E.	6/10/13		EST. WEIGHT: .064 / EACH LBS. [29.02 g]	
.XXXX ±.001"	MGR APPR D.D.	6/10/13		SCALE: .75X	DRAWING NUMBER: AN3-66A_AFC3-66C2
				SHEET 1 OF 1	