

MANUFACTURERS

"AFC" LOGO

.025 MAX

RAISED OR INDENTED

.627
.615

.720 REF

"X" ALLOY STEEL
GRADE MARK

.266
.234
.016
.437
.433
.585 MIN
6.062 ±.015
6.718 ±.031

R .010
±.005

7/16-20 UNF-3A
ROLLED PER
MIL-S-7742

.063 X 45°
.031

SCALE: 0.75X

DESIGN NOTES: AN7-65A AIRFRAME BOLT

1. LENGTH 6-23/32" (6.718"), GRIP 6-1/16" (6.062"), THREAD 7/16-20 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 7/16-20 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 13,600 LBS. [60,495 N] MIN.
8. YIELD 10,430 LBS. [46,394 N] MIN.
9. SINGLE SHEAR 11,250 LBS. [50,042 N] MIN. SHORT LENGTH N/A.



ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 7-65 C2 CADMIUM TYPE 2 YELLOW PLATING
AFC 7-65 C1 CADMIUM TYPE 1 PLAIN WHITE PLATING
AFC 7-65 TDC THERMAL DIFFUSION COATED ASTM A1059

FINISH

LENGTH 6.718"

BODY SIZE & THREAD .437-20 UNF-3A

MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
PART NUMBER: AN7-65A

DIMENSIONS ARE IN INCHES AND TOLERANCES ARE AS SHOWN BELOW. DIMENSIONAL TOLERANCES AND SYMBOLS PER ANSI Y14.5M-1982

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APPROVALS			DATE		PART NUMBER: AN7-65A_AFC7-65C2		REV
ANGLES	±5°	DRAWN	M.B.	4/11/14	SIZE A MATERIAL: 4037 / 8740 OR AS NOTED EST. WEIGHT: .307 / EACH LBS. [139.5 g]		
XX	±.03"	CHECKED	T.W.	4/11/14			
XXX	±.010"	ENG APPR	B.E.	4/11/14			
XXXX	±.001"	MGR APPR	D.D.	4/11/14			
				SCALE: 0.75X	DRAWING NUMBER: AN7-65A_AFC7-65C2		SHEET 1 OF 1