

MANUFACTURERS

"AFC" LOGO

.025 MAX

RAISED OR INDENTED

.627

.615

.720 REF

.585 MIN

.437

.433

.266

.234

.016

R .010 ±.005

7.187 ±.015

7.843 ^{+.031} _{-.015}

15° CHAMFER

30°

R .010 ±.005

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

.063 X 45°
.031

SCALE: 0.70X

DESIGN NOTES: AN7-76A AIRFRAME BOLT

1. LENGTH 7-27/32" (7.843"), GRIP 7-3/16" (7.187"), 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 7-76 C2 CADMIUM TYPE 2 YELLOW PLATING
 AFC 7-76 CI- CADMIUM TYPE I PLAIN WHITE PLATING
 AFC 7-76 TDC THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
 ↑ LENGTH 7.843"
 ↑ BODY SIZE & THREAD .437-20 UNF-3A
 ↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
PART NUMBER: AN7-76A

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 4/11/14 CHECKED T.W. DATE 4/11/14 ENG APPR B.E. DATE 4/11/14 MGR APPR D.D. DATE 4/11/14		PART NUMBER: AN7-76A_AFC7-76C2	REV
ANGLES ±5° .XX ±.03" .XXX ±.010" .XXXX ±.001"	SCALE: 0.70X		MATERIAL: 4037 / 8740 OR AS NOTED	EST. WEIGHT: .355 / EACH LBS. [161.2 g]
DRAWING NUMBER: AN7-76A_AFC7-76C2			SHEET 1 OF 1	