

MANUFACTURERS

"AFC" LOGO

.025 MAX

RAISED OR INDENTED

.627

.615

.720 REF

"X" ALLOY STEEL GRADE MARK

30°

.266

.234

.016

.437

.585 MIN

.433

5.562 ±.015

6.218 ^{+.031} _{-.015}

15° CHAMFER

R .010 ±.005

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

.063 X 45°
.031

SCALE: 0.75X

DESIGN NOTES: AN7-61A AIRFRAME BOLT

1. LENGTH 6-7/32" (6.218"), GRIP 5-9/16" (5.562"), 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 7-61 C2- CADMIUM TYPE 2 YELLOW PLATING
 AFC 7-61 C1- CADMIUM TYPE 1 PLAIN WHITE PLATING
 AFC 7-61 TDC- THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
 ↑ LENGTH 6.218"
 ↑ BODY SIZE & THREAD .437-20 UNF-3A
 ↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
 PART NUMBER: AN7-61A

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: AN7-61A_AFC7-61C2 SIZE A MATERIAL: 4037 / 8740 OR AS NOTED EST. WEIGHT: .050 / EACH LBS. [130.4 g]	
ANGLES ±5° .XX ±.03" .XXX ±.010" .XXXX ±.001"	SCALE: 0.75X DRAWING NUMBER: AN7-61A_AFC7-61C2		SHEET 1 OF 1	