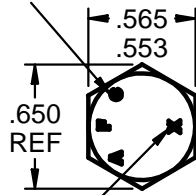
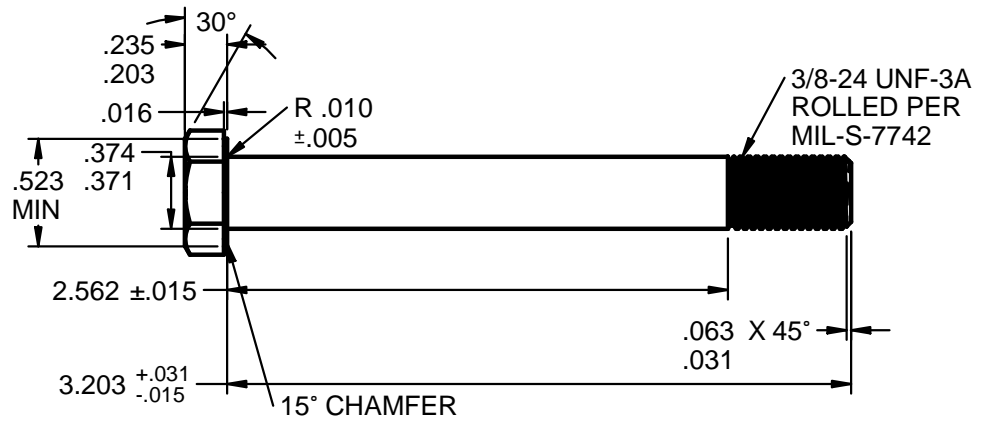


MANUFACTURERS  
"AFC" LOGO  
.025 MAX  
RAISED OR INDENTED



"X" ALLOY STEEL  
GRADE MARK



SCALE: 1X

**DESIGN NOTES: AN6-31A AIRFRAME BOLT**

1. LENGTH 3-13/64" (3.203"), GRIP 2-9/16" (2.562"), THREAD 3/8-24 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 3/8-24 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 10,100 LBS. [44,927 N] MIN.
8. YIELD 7,740 LBS. [34,429 N] MIN.
9. SINGLE SHEAR 8,280 LBS. [36,831 N] MIN. SHORT LENGTH N/A.



ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 6-31 C2- CADMIUM TYPE 2 YELLOW PLATING  
AFC 6-31 C1- CADMIUM TYPE 1 PLAIN WHITE PLATING  
AFC 6-31 TDC- THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH  
↑ LENGTH 3.203"  
↑ BODY SIZE & THREAD .375-24 UNF-3A  
↑ MANUFACTURER AIRFASCO

**UNCONTROLLED**

CONFORMS TO: NASM3 THRU NASM20  
PART NUMBER: AN6-31A

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.		<b>AIRFASCO.com</b> 2655 HARRISON AVE SW, CANTON, OHIO 44706 USA	
	APPROVALS		DATE	REV
ANGLES ±5°	DRAWN M.B.	3/18/2014	PART NUMBER: AN6-31A_AFC6-31C2	
.XX ±.03"	CHECKED T.W.	3/18/2014	SIZE A	MATERIAL: 4037 / 8740 OR AS NOTED
.XXX ±.010"	ENG APPR B.E.	3/18/2014	EST. WEIGHT: .111 / EACH LBS. [50.8 g]	
.XXXX ±.001"	MGR APPR D.D.	3/18/2014	SCALE: 1X	DRAWING NUMBER: AN6-31A_AFC6-31C2 SHEET 1 OF 1