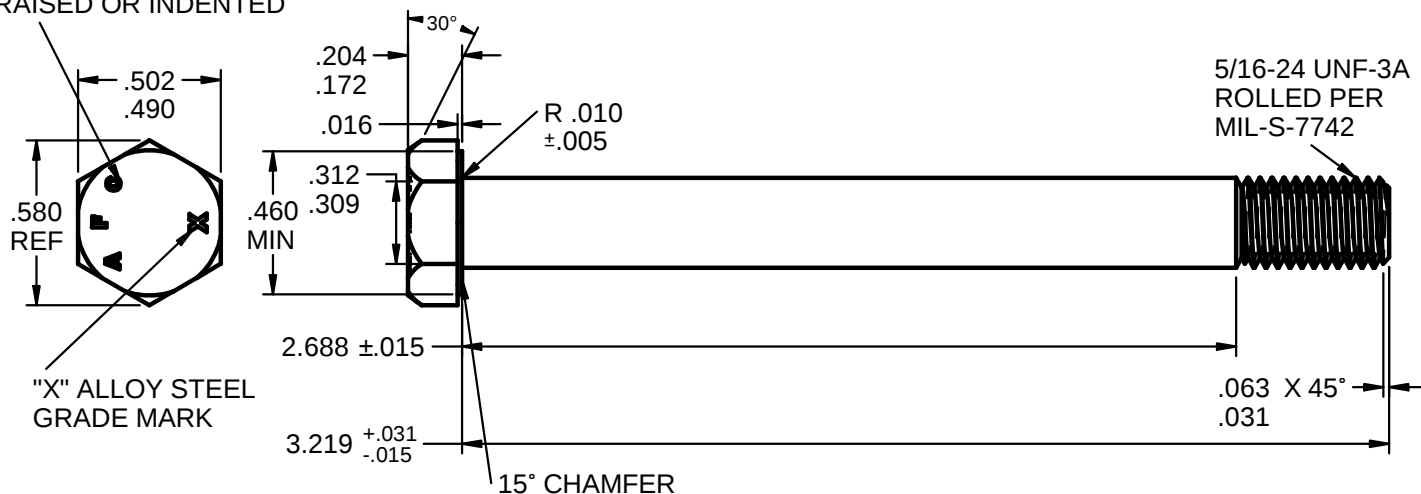


MANUFACTURERS
"AFC" LOGO
.025 MAX
RAISED OR INDENTED



SCALE: 1.5X

DESIGN NOTES: AN5-31A AIRFRAME BOLT

1. LENGTH 3-7/32" (3.219"), GRIP 2-11/16" (2.688"), THREAD 5/16-24 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 5/16-24 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 6,500 LBS. [28,913 N] MIN.
8. YIELD 4,980 LBS. [22,152 N] MIN.
9. SINGLE SHEAR 5,750 LBS. [25,577 N] MIN. SHORT LENGTH N/A.

EXAMPLE PART NUMBER

AFC 5-31 C2 - CADMIUM TYPE 2 YELLOW PLATING
AFC 5-31 C1 - CADMIUM TYPE 1 PLAIN WHITE PLATING
AFC 5-31 TDC - THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
↑ LENGTH 3.219"
↑ BODY SIZE & THREAD .312-24 UNF-3A
↑ MANUFACTURER AIRFASCO



ACTUAL SIZE

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
PART NUMBER: AN5-31A

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

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AIRFASCO.com

2655 HARRISON AVE SW, CANTON, OHIO 44706 USA

APPROVALS			DATE		PART NUMBER: AN5-31A_AFC5-31C2		REV
ANGLES	±5°	DRAWN	C.D.	6/10/13			
XX	±.03"	CHECKED	T.W.	6/10/13			
XXX	±.010"	ENG APPR	B.E.	6/10/13			
XXXX	±.001"	MGR APPR	D.D.	6/10/13			
SIZE A		MATERIAL: 4037 / 8740 OR AS NOTED			EST. WEIGHT: .078 / EACH LBS. [35.4 g]		
SCALE: 1.5X		DRAWING NUMBER: AN5-31A_AFC5-31C2			SHEET 1 OF 1		