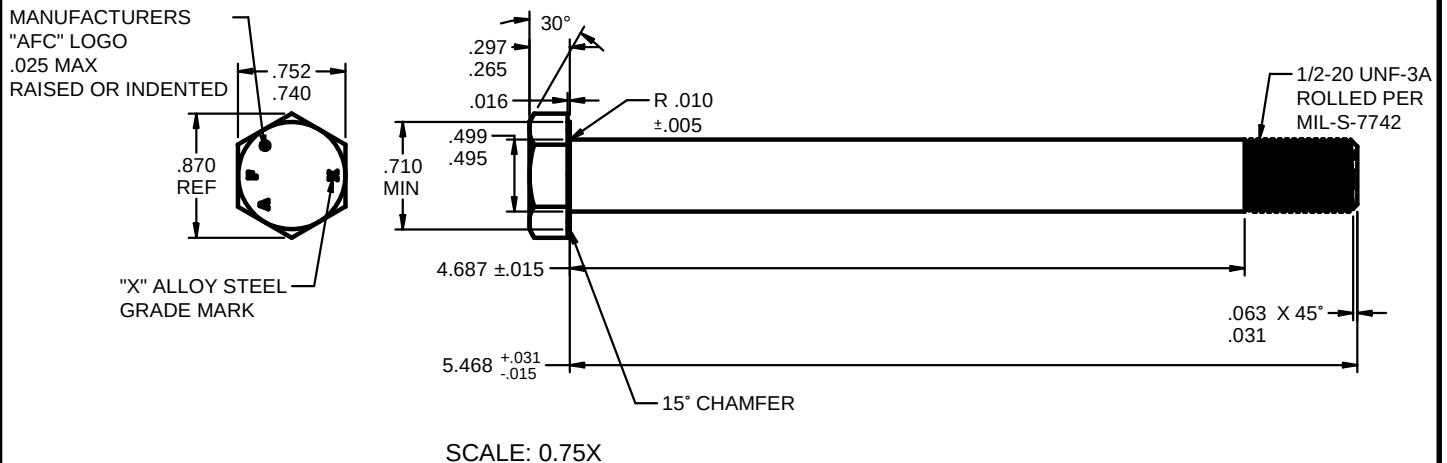




DESIGN NOTES: AN8-53A AIRFRAME BOLT

1. LENGTH 5-15/32" (5.468"), GRIP 4-11/16" (4.687"), THREAD 1/2-20 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 1/2-20 UNF-3A ROLLED PROCESS PER MIL-S-7742.
7. TENSILE 18,500 LBS. [82,292 N] MIN.
8. YIELD 14,190 LBS. [63,120 N] MIN.
9. SINGLE SHEAR 14,700 LBS. [65,388 N] MIN. SHORT LENGTH N/A.



ACTUAL SIZE

EXAMPLE PART NUMBER

AFC 8-53 C2 CADMIUM TYPE 2 YELLOW PLATING
AFC 8-53 CI- CADMIUM TYPE I PLAIN WHITE PLATING
AFC 8-53 TDC THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH
↑ LENGTH 5.468"
↑ BODY SIZE & THREAD 0.5-20 UNF-3A
↑ MANUFACTURER AIRFASCO

UNCONTROLLED

CONFORMS TO: NASM3 THRU NASM20
PART NUMBER: AN8-53A

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		DATE	PART NUMBER: AN8-53A_AFC8-53C2		REV
ANGLES	±5°	DRAWN M.B.	6/5/2014	SIZE A MATERIAL: 4037 / 8740 OR AS NOTED		EST. WEIGHT: .330 / EACH LBS. [150.0 g]
XX	±.03"	CHECKED T.W.	6/5/2014			
XXX	±.010"	ENG APPR B.E.	6/5/2014	SCALE: 0.75X DRAWING NUMBER: AN8-53A_AFC8-53C2		SHEET 1 OF 1
XXXX	±.001"	MGR APPR D.D.	6/5/2014			