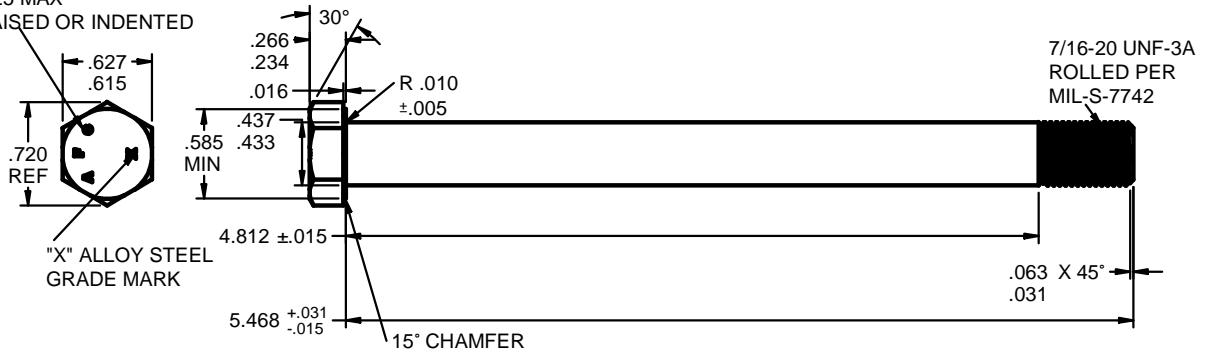


MANUFACTURERS  
"AFC" LOGO  
.025 MAX  
RAISED OR INDENTED



SCALE: 0.75X

**DESIGN NOTES: AN7-53A AIRFRAME BOLT**

1. LENGTH 5-15/32" (5.468"), GRIP 4-13/16" (4.812"), 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 7-53 C2 CADMIUM TYPE 2 YELLOW PLATING  
 AFC 7-53 C1 CADMIUM TYPE 1 PLAIN WHITE PLATING  
 AFC 7-53 TDC THERMAL DIFFUSION COATED ASTM A1059

↑ FINISH  
 ↑ LENGTH 5.468"  
 ↑ BODY SIZE & THREAD .437-20 UNF-3A  
 ↑ MANUFACTURER AIRFASCO

**UNCONTROLLED**

CONFORMS TO: NASM3 THRU NASM20  
PART NUMBER: AN7-53A

|   |  |         |  |   |
|---|--|---------|--|---|
| 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. |         | <b>AIRFASCO.com</b>                            |   |
|   | 2655 HARRISON AVE SW, CANTON, OHIO 44706 USA   |         |  |   |
|   | APPROVALS  | DATE    | PART NUMBER: AN7-53A_AFC7-53C2                 | REV                                     |
| ANGLES ±5°  | DRAWN M.B.   | 4/11/14 | SIZE A MATERIAL: 4037 / 8740 OR AS NOTED       | EST. WEIGHT: .249 / EACH LBS. [113.1 g] |
| .XX ±.03"   | CHECKED T.W.   | 4/11/14 |  |   |
| .XXX ±.010"   | ENG APPR B.E.  | 4/11/14 | SCALE: 0.75X DRAWING NUMBER: AN7-53A_AFC7-53C2 | SHEET 1 OF 1                            |
| .XXXX ±.001"  | MGR APPR D.D.  | 4/11/14 |  |   |