

Approved for public release; distribution is unlimited.

CHAMFER 30° TO 37° DIA
OPPOSITE SIDE OF HEAD

THIS SURFACE MUST BE SQUARE WITH
SHANK WITHIN .003 FULL INDICATOR
READING

CHAMFER 0.015 ± .005
APPROX

MAX 2 IMPERFECT
THD

SECTION THRU THREAD
PROFILE

18/16 DIA

190 (NO 10)
-32 NF 3A
SPEC MIL S 7742

DRILL HOLES
(.065-.072)
CSINK BOTH ENDS
60° TO 100° DIA
HOLE ON AXIS OF
HD WITHIN .005
ANGULAR LOCATION
MAY VARY FREELY

L	A	K	PART NO	L	A	K	PART NO	L	A	K	PART NO
		+ .000 - .060				+ .000 - .060				+ .000 - .060	
1.250	1.140	688	AN105520	3.625	3.545	3.06	AN105541				
1.175	1.202	750	AN105521	3.750	3.640	3.180	AN105542				
1.175	1.265	812	AN105522	3.875	3.765	3.310	AN105543				
1.458	1.428	855	AN105523								
1.406	1.406	936	AN105524								
1.425	1.411	1.061	AN105525								
1.5	1.54	1.07	AN105526								
1.5	1.57	1.12	AN105527								
1.5	1.60	1.17	AN105528								
1.5	1.63	1.22	AN105529								
1.5	1.66	1.27	AN105530								
1.5	1.69	1.32	AN105531								
1.5	1.72	1.37	AN105532								
1.5	1.75	1.42	AN105533								
1.5	1.78	1.47	AN105534								
1.5	1.81	1.52	AN105535								
1.5	1.84	1.57	AN105536								
1.5	1.87	1.62	AN105537								
1.5	1.90	1.67	AN105538								
1.5	1.93	1.72	AN105539								
1.5	1.96	1.77	AN105540								

1) THREAD TO HEAD MAXIMUM TWO IMPERFECT THREAD

NOTE: (1) SHANK SHALL BE STRAIGHT WITHIN .004 PER INCH OF BOL LENGTH
(2) THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON

INACTIVE FOR DESIGN AFTER 27 DEC 1966 NO SUPERSEDING STANDARD

MATERIAL: (SEE SPECIFICATION) STEEL OR ALUMINUM PER MIL-STD-883C

SURFACE FINISH: AS SUPPLIED

MAXIMUM TENSILE STRENGTH: 150,000 PSI

INSPECTION: ALL PARTS SHALL UNDERGO FLUORESCENT PENETRANT INSPECTION IN ACCORDANCE WITH AMS 64

BREAK SHARP EDGES: TO .015 UNLESS OTHERWISE SPECIFIED

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES: FRACTIONS: .0005, .001, .002, .005, .010, .020, .050, .100, .200, .500, 1.000, 2.000, 5.000, 10.000, 20.000, 50.000, 100.000, 200.000, 500.000, 1000.000

DO NOT USE UNASSIGNED PART NUMBERS

THIS STANDARD WAS DEVELOPED COOPERATIVELY BY THE AIR FORCE, NAVY, AND AIR FORCE

AIR FORCE-NAVY AERONAUTICAL STANDARD

AN105501
THRU
AN105600

APPROVED 15 1 48 REVISED 27 DEC 66