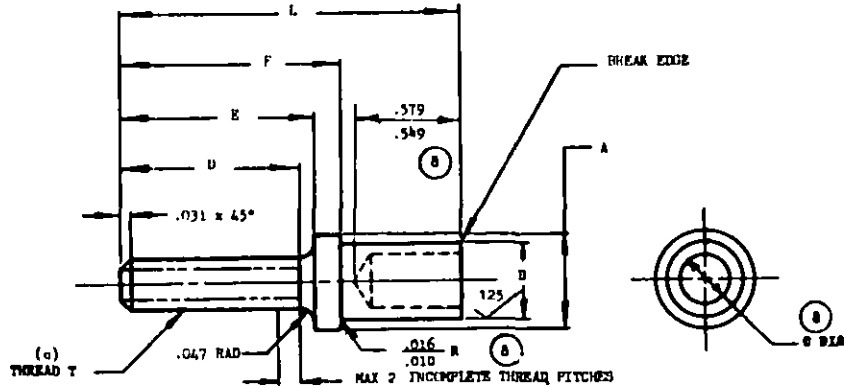


REVISED SYMBOLS:

NAVY - AS NSA
USAF - 02 DSA-25
ARMY - AV



*Revision/owner information is current as of the date of this document.
 For future consideration of changes to this document, draft circulation
 should be based on the information in the current MHSB.

This military standard is mandatory for use by all Departments
 of the Department of Defense. Solicitation for all new
 engineering and design applications and for replacement use shall
 be made from this document.

(a) PART NO.	THREAD T	TUBE SIZE	A DIA ±.010	B DIA +.000 -.002	C DIA ±.016	D ±.010	E ±.010	F ±.010	L ±.010
AN490HT5	1/4-20UNF-3A	5/16 X .035	.312	.242	.125	1.000	1.000	1.125	1.750
AN490HT6		3/8 X .035	.375	.305	.185				
AN490HT8		1/2 X .035	.500	.430	.281				
AN490HT9	5/16-24UNF-3A	1/2 X .058	.500	.394	.250	1.000	1.062	1.188	1.812
AN490HT10	5/16-24UNF-3A	5/8 X .035	.625	.555	.375	1.000	1.062	1.188	1.812
AN490HT11		3/4 X .035	.750	.680	.500				
AN490HT12	5/8-24UNF-3A	1/2 X .058	.500	.394	.250	1.000	1.062	1.188	1.812
AN490HT13	3/8-24UNF-3A	5/8 X .035	.625	.555	.375	1.000	1.062	1.188	1.812
AN490HT14	3/4 X .035	.750	.680	.500					
AN490HT15	5/16-24UNF-3A	1/2 X .058	.500	.394	.250	1.000	1.062	1.188	1.812
AN490HT16	3/8-24UNF-3A								

- (a) PART NOS. AN490-5 THRU AN490-8 AND AN490-5P THRU AN490-8P INACTIVE FOR DESIGN AFTER 15 JULY 1949, AND CANCELLED. PART NOS. AN490HT5 THRU AN490HT8 AND AN490HT5P THRU AN490HT8P ARE SUBSTITUTABLE FOR PART NOS. AN490-5 THRU AN490-8 AND AN490-5P THRU AN490-8P, RESPECTIVELY.
- (b) PART NOS. AN490HT9 AND AN490HT12 INACTIVE FOR DESIGN AFTER 8 FEBRUARY 1951, AND CANCELLED. PART NO. AN490HT15 IS A REPLACEABLE ITEM FOR AN490HT9 AND AN490HT16 IS A REPLACEABLE ITEM FOR AN490HT12.
- (c) THREADS SHALL BE FORMED BY ANY SELF-FEEDING PROCESS MIL-C-7742.

- (B) MATERIAL: STEEL 4130 SPECIFICATION MIL-S-6758 HEAT TREATED ROCKWELL C25 TO C30
- (B) FINISH: CADMIUM PLATE SPECIFICATION QQ-P-416, TYPE II, CLASS 2.

ADD P AFTER DASH NO. FOR PLATED ROD ENDS.

EXAMPLES OF PART NOS: AN490HT5 = ROD END - THREADED, 5/16 DIA, UNPLATED STEEL.
 AN490HT5P = ROD END - THREADED, 5/16 DIA, CADMIUM PLATED.

ROD ENDS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS WHICH MIGHT PROMOTE DISLODGE UNDER USAGE.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS ±1/64, DECIMALS ±.010, ANGLES ±1/2°.

ALL DIMENSIONS SPECIFIED ARE TO BE MET AFTER PLATING.

- (B) FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- (B) REFERENCES DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

PROCUREMENT
SPECIFICATION
MIL-C-45918 (B)

AIR FORCE-NAVY AERONAUTICAL STANDARD

ROD END - THREADED, AIRCRAFT

AN490

APPROVED 12 Sep 52 REVISED (B) 12 Oct 70