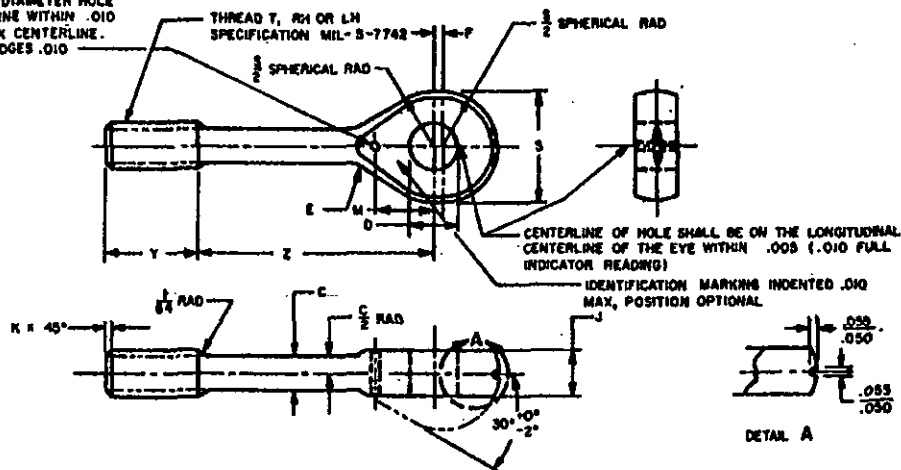


NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definite Government procurement operation, the United States Government, whether it is the contractor, subcontractor, or any other person, is not to be regarded as having accepted or approved the drawings, specifications, or other data in any way. The Government is not to be held responsible for any errors or omissions in the drawings, specifications, or other data, or for any consequences arising therefrom, or for any damages or expenses incurred by any person in connection with the use of the drawings, specifications, or other data.

NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing supersedes all antecedent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new design, not later than 6 months after the latest date of approval shown.

DRILL H DIAMETER HOLE  
CENTERLINE WITHIN .010  
OF SHANK CENTERLINE.  
BREAK EDGES .010

THREAD T, RH OR LH  
SPECIFICATION MIL-B-7742



AN PART NO.	MIN BREAKING STRENGTH LB	THREAD T UNF-3A	C +.008 -.000 DIA	D +.002 -.000 DIA	E RAD	F +.010 -.000 DIA	H +.003 -.001 DIA	J ±.005	K MAX	M +.000 -.005 DIA	S DIA	V ±.047	Z +.031 -.015
AN165-8LS	800	NO. 6-40	.094	.125	.041	.125	.228	.375	.375	1.125			
AN165-8RS													
AN165-16LS													
AN165-16RS													
AN165-16LL	1 600	NO. 10-32	.133	.190	.039	.156	.0483	.188	.305	.500	2.000		
AN165-16RL													
AN165-22LS													
AN165-22RS													
AN165-22LL	2 200	1/4-20	.155	.219	.047	.219	.360	.625	.625	1.125			
AN165-22RL													
AN165-32LS													
AN165-32RS													
AN165-32LL	3 200	3/8-24	.256	.375	.281	.063	.328	.482	.875	.875	2.000		
AN165-32RL													
AN165-46LS													
AN165-46RS													
AN165-46LL	4 600	7/16-20	.362	.438	.359	.078	.375	.603	1.043	1.000	2.375		
AN165-46RL													
AN165-61LS													
AN165-61RS													
AN165-61LL	6 100	1/2-20	.425	.500	.408								
AN165-61RL													
AN165-80LS													
AN165-80RS													
AN165-125LS	12 500												
AN165-125RS													
AN165-175LS													
AN165-175RS													

(a) UNF-3A THREAD FOR ALL EXCEPT NO. 6-40 AND 10-32 WHICH ARE NF-3A.

MATERIAL: STEEL, SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION.

ADD M BEFORE DASH NUMBER FOR PARTS WITH LOCKWIRE HOLE.

FIRST LETTER FOLLOWING DASH NUMBER INDICATES DIRECTION OF THREAD (LEFT OR RIGHT HAND).

EXAMPLES OF PART NUMBERS: AN165-32LS = TURNBUCKLE EYE, 1/4-20 LEFT HAND THREAD, SHORT LENGTH.

AN165-32RS = TURNBUCKLE EYE, 1/4-20 RIGHT HAND THREAD, SHORT LENGTH.

AN165-32LL = TURNBUCKLE EYE, 1/4-20 LEFT HAND THREAD, LONG LENGTH.

AN165-32RL = TURNBUCKLE EYE, 1/4-20 RIGHT HAND THREAD, LONG LENGTH.

AN165H32RL = TURNBUCKLE EYE, 1/4-20 RIGHT HAND THREAD, LONG LENGTH, LOCKWIRE HOLE.

REMOVE ALL LOOSE AND HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

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

Ⓢ CANCELLED AFTER 10 DECEMBER 1971. USE MS21254.

INTERCHANGEABILITY RELATIONSHIP: MS21254 CAN REPLACE THE CANCELLED AN165 PARTS IDENTIFIED BY LINE MATERIAL AND THREAD SIZE. THE CANCELLED AN165 PARTS CANNOT REPLACE THE MS21254 PARTS AND SHOULD BE USED UNTIL EXISTING STOCK IS DEPLETED. USE ONLY THE SUPERSEDING MS21254 PARTS OF LINE MATERIAL AND THREAD SIZE.

Ⓢ REINSTATED 8 SEPTEMBER 1970

PROCUREMENT  
SPECIFICATION

MIL-T-5683

AIR FORCE-NAVY AERONAUTICAL STANDARD

EYE - AIRCRAFT TURNBUCKLE, FOR PIN

AN165

SUPERSEDES FORMER ARMY AND NAVY STANDARD  
ISSUES OF AN165

APPROVED 24 Sep 42 REVISED 13 Oct 44 220 Sep 48 37 Feb 51 24 May 51 15 Sep 53 6 Feb 54 725 Mar 63 8 Sep 70 10 Dec 71