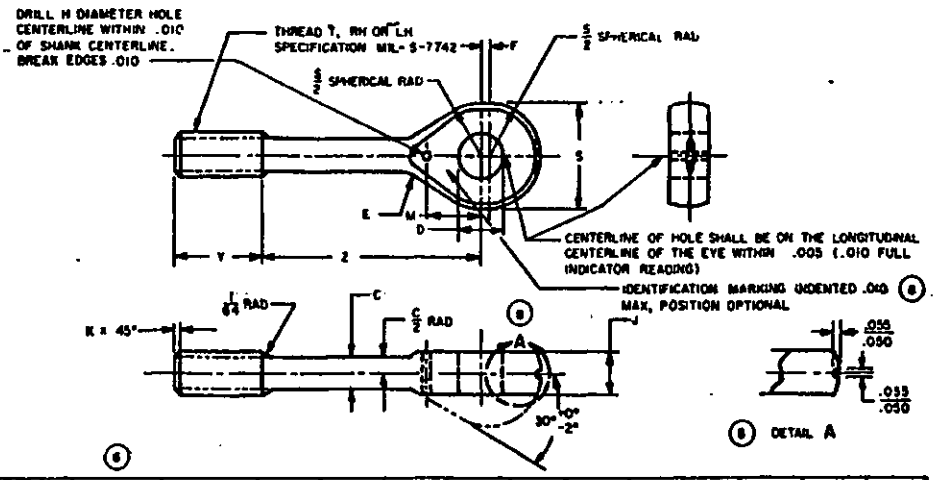
Downloaded from http://www.everyspec.com



AN PART NO.	MIN BREAKING STRENGTH LB	THREAD T UNF-3A	C +.006 −.000 DIA	D +.002 +.000 DIA	E RAD	F +.010 −.000	H +.003 −.001 DIA	J ±.005	K MAX	M +.000 −.005	S DIA	Y ±.047	Z +.031 −.015
AN165-6LS	800	NO. 6-40 (a)	.094	.190	.125	.031	.041	.125	.031	.228	.375	.375	1.125
AN165-6RS													
AN165-16LS	1 600	NO. 10-32 (a)	.133		.156		.0465	.188		.305	.500	.500	2.000
AN165-16RS													
AN165-16LL													
AN165-16RL													
AN165-22LS	2 200	1/4-28	.155							.272		.563	1.125
AN165-22RS													2.000
AN165-22LL													
AN165-22RL													
AN165-32LS	3 200		.189	.250	.219	.047	.055	.219		.360	.625	.625	1.125
AN165-32RS													2.000
AN165-32LL													
AN165-32RL													
AN165-46LS	4 600	5/16-24	.243	.313	.250			.281		.366	.688	.750	1.125
AN165-46RS													2.000
AN165-46LL													
AN165-46RL													
AN165-61LL	6 100	3/8-24	.256	.375	.281	.063			.047	.407	.750	.875	2.000
AN165-61RL													
AN165-80LL	8 000		.306					.328		.482	.875		
AN165-80RL													
AN165-125LL	12 500	7/16-20	.362	.438	.359	.078		.375		.603	1.063	1.000	2.375
AN165-125RL													
AN165-175LL	17 500	1/2-20	.425	.500	.406			.469		.665	1.188		2.625
AN165-175RL													

(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 H 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, 1/4-28 LEFT HAND THREAD, SHORT LENGTH.
AN165-32RS = TURNBUCKLE EYE, 1/4-28 RIGHT HAND THREAD, SHORT LENGTH.
AN165-32LL = TURNBUCKLE EYE, 1/4-28 LEFT HAND THREAD, LONG LENGTH.
AN165-32RL = TURNBUCKLE EYE, 1/4-28 RIGHT HAND THREAD, LONG LENGTH.
AN165H32RL = TURNBUCKLE EYE, 1/4-28 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 25 NOVEMBER 1963. USE MS21254.~~

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

REINSTATED 8 SEPTEMBER 1970

PROCUREMENT SPECIFICATION	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN165
MIL-T-5685	EYE - AIRCRAFT TURNBUCKLE, FOR PIN	

SUPERSEDES FORMER ARMY AND NAVY STANDARD ISSUES OF AN165

APPROVED 24 Sep 42 — REVISED (1) 5 Oct 44 (2) 20 Sep 48 (3) 7 Feb 51 (4) 24 May 51 (5) 15 Sep 52 (6) 18 Feb 54 (7) 25 Nov 63 (8) 8 Sep 70

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

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 specified 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.