



BASIC PART NUMBER	THREADS	A	B	E MIN.	F MIN.	H	M	N DIA.	R	T MIN. (4)	U REF.	W	X	Y	LENGTH MIN.	
															UNC	UNF
110132-256	.0860-56 UNJC-3A	.140	.0860	.029	.044	.097	—	—	.008	.670	.02	.0801	.006	.007	.078	.062
110132-264	.0860-64 UNJF-3A	.136	.0840	.029	.044	.077	—	—	.004	.670	.02	.0781	.006	.007	.078	.062
110132-348	.0990-48 UNJC-3A	.161	.0990	.034	.052	.110	—	—	.008	.695	.03	.0801	.006	.007	.093	.078
110132-356	.0990-56 UNJF-3A	.157	.0968	.034	.052	.090	—	—	.004	.695	.02	.0781	.006	.007	.093	.078
110132-440	.1120-40 UNJC-3A	.183	.1120	.038	.061	.123	.044	.042	.010	.725	.03	.0957	.006	.007	.109	.093
110132-448	.1120-48 UNJF-3A	.178	.1096	.038	.061	.103	.024	.034	.015	.725	.03	.0937	.006	.007	.109	.093
110132-540	.1250-40 UNJC-3A	.205	.1250	.043	.068	.136	.049	.042	.010	.750	.03	.0957	.006	.007	.109	.093
110132-544	.1250-44 UNJF-3A	.200	.1226	.043	.068	.116	.029	.034	.015	.750	.03	.0937	.006	.007	.109	.093
110132-632	.1380-32 UNJC-3A	.226	.1380	.047	.071	.148	.054	.042	.010	.775	.04	.1114	.006	.007	.125	.109
110132-640	.1380-40 UNJF-3A	.221	.1353	.047	.071	.128	.034	.034	.015	.775	.03	.1094	.006	.007	.125	.109
110132-832	.1640-32 UNJC-3A	.270	.1640	.056	.088	.174	.059	.042	.015	.825	.04	.1426	.006	.007	.125	.125
110132-836	.1640-36 UNJF-3A	.265	.1613	.056	.088	.154	.039	.034	.008	.825	.03	.1406	.006	.007	.125	.125
110132-1024	.1900-24 UNJC-3A	.313	.1900	.065	.109	.199	.066	.042	.015	.880	.05	.1587	.006	.009	.187	.125
110132-1032	.1900-32 UNJF-3A	.306	.1867	.065	.109	.179	.046	.034	.008	.880	.04	.1562	.006	.009	.187	.125
110132-420	.2500-20 UNJC-3A	.375	.2500	.095	.126	.258	.085	.068	.020	1.000	.06	.1900	.006	.011	.281	.156
110132-428	.2500-28 UNJF-3A	.367	.2464	.095	.126	.238	.065	.060	.010	1.000	.04	.1875	.006	.011	.281	.156
110132-518	.3125-18 UNJC-3A	.469	.3125	.119	.163	.320	.104	.068	.020	1.125	.07	.2530	.006	.013	.250	.187
110132-524	.3125-24 UNJF-3A	.457	.3084	.119	.163	.300	.084	.060	.010	1.125	.05	.2500	.006	.013	.250	.187
110132-616	.3750-16 UNJC-3A	.563	.3750	.143	.186	.382	.123	.068	.020	1.250	.08	.3160	.008	.013	.250	.187
110132-624	.3750-24 UNJF-3A	.552	.3705	.143	.186	.362	.103	.060	.010	1.250	.05	.3125	.008	.013	.250	.187
110132-714	.4375-14 UNJC-3A	.656	.4375	.166	.213	.444	.141	.068	.025	1.375	.09	.3790	.009	.018	.312	.218
110132-720	.4375-20 UNJF-3A	.642	.4326	.166	.213	.424	.121	.060	.015	1.375	.06	.3750	.009	.018	.312	.218
110132-813	.5000-13 UNJC-3A	.750	.5000	.190	.245	.506	.160	.068	.030	1.500	.10	.3790	.010	.020	.500	.500
110132-820	.5000-20 UNJF-3A	.739	.4948	.190	.245	.486	.140	.060	.020	1.500	.06	.3750	.010	.020	.500	.500

MATERIAL: 6AL-4V TITANIUM PER AMS4928 OR AMS4967

HEAT TREATMENT: 160,000 PSI MINIMUM ULTIMATE TENSILE STRENGTH PER NAS621.

FINISH: NONE. TIODIZE T2 OR SPS-K2 (SEE CODES)

TOLERANCES: .010 AND: 2° UNLESS OTHERWISE SPECIFIED

STANDARDS AND SPECIFICATIONS NAS621	TITLE SCREW, SOCKET HEAD CAP TITANIUM ALLOY	DRAWN BY L. F. DATE 3/23/67
CAGE IDENT. NO. 80539		APPROVED R. E. S. DATE 3/23/67
CUSTODIAN: SANTA ANA, CA.		BASIC PART NUMBER
		110132

DRAWING NUMBER
SD. 300. 110132

REVISION
Ⓐ 1/14/67
Ⓑ 5/1/67
Ⓒ 9/26/67
Ⓓ 9/28/67
Ⓔ 1/27/92

NOTES:

- (1). CONCENTRICITY: HEAD O.D. TO BODY WITHIN "X" T.I.R..
SOCKET TO BODY WITHIN "Y" T.I.R..
- (2). SQUARENESS: UNDERSIDE OF HEAD AND BODY WITHIN 1/2°.
- (3). CODES: ADD A SECOND DASH NUMBER TO BASIC PART NUMBER TO DESIGNATE LENGTH IN 16ths.
LETTER "V" IN LIEU OF FIRST DASH INDICATES 6AL-4V TITANIUM.
LETTER "T2" AFTER SECOND DASH NUMBER DESIGNATES TIODIZE TYPE 2.
LETTER "H" IN LIEU OF SECOND DASH INDICATES CROSSDRILLED HEAD.
LETTER "K" AFTER SECOND DASH NUMBER INDICATES A NYLON (PELLET TYPE) SELF LOCKING
ELEMENT PER MIL-F-18240.
LETTER "E" AFTER SECOND DASH NUMBER INDICATES A NYLON (PATCH TYPE) SELF LOCKING
ELEMENT PER MIL-F-18240.
LETTER "M" AFTER SECOND DASH NUMBER INDICATES MIL-L-46010, TYPE I DRY FILM LUBRICANT.
EXAMPLES: 110132V428-16K = .250-28 X 1.000 S.H.C.S., 6AL-4V MATERIAL, WITH NYLON SELF LOCKING
ELEMENT.
110132V440-16E = .112-40 X 1.000 S.H.C.S., 6AL-4V MATERIAL, WITH NYLON SELF LOCKING
ELEMENT.
110132V616H8M = .375-16 X .500 S.H.C.S., 6AL-4V MATERIAL, CROSSDRILLED HEAD AND
DRY FILM LUBRICANT.
- (4). THREAD LENGTH: THE MINIMUM FULL THREAD LENGTH SHALL BE TWICE THE THREAD DIAMETER, PLUS
1/2 INCH OR 1/2 THE LENGTH WHICH EVER IS THE GREATER. SCREWS TOO SHORT FOR
THE FORMULA SHALL BE THREADED AS CLOSE TO THE HEAD AS PRACTICABLE. MAXIMUM
THREAD LENGTH NEED NOT EXCEED 1.50 INCH.
- (5). LENGTH TOLERANCE, THROUGH ONE INCH ±.015, OVER ONE INCH THROUGH TWO INCHES +.031 -.015.
- (6). PARTS SHALL BE FREE FROM BURRS AND SHARP EDGES.
- (7). CHAMFER "U" PLUS INCOMPLETE THREADS SHALL NOT EXCEED TWO PITCHES.