



TABLE 1

DASH NO.	THREAD UNJF-3A	A DIA. MAX. [2]	A' DIA. MIN. [2]	B REF.	D DIA.	E MAX.	H REF. [2]	R RAD.	U REF.	Y TIR	GAGE DIA. V	HEAD PROT. M	NAS1800 RECESS			TENSION FATIGUE HIGH LOAD R=0.1
													RECESS NUMBER	DEPTH	TORQUE IN-LBS MIN.	
3	.1900-32	.3813	.339	.363	.1895 .1885	.015	.083	.035 .015	.050	.0045	.3147 .3145	.0285 .0255	T20	.055 .044	60	1060
4	.2500-28	.5066	.464	.403	.2495 .2485	.015	.111	.035 .015	.050	.0045	.4245 .4243	.0351 .0319	T30	.065 .054	140	1940
5	.3125-24	.6335	.578	.501	.3120 .3110	.015	.140	.045 .025	.060	.0045	.5389 .5387	.0409 .0370	T30	.075 .064	220	3080
6	.3750-24	.7604	.717	.594	.3745 .3735	.015	.167	.045 .025	.060	.0045	.6532 .6530	.0459 .0422	T40	.080 .069	520	4660
7	.4375-20	.8884	.826	.675	.4370 .4360	.022	.195	.055 .035	.080	.0060	.7784 .7782	.0470 .0425	T50	.107 .093	750	6330
8	.5000-20	1.0139	.951	.768	.4995 .4985	.022	.222	.055 .035	.080	.0060	.8902 .8900	.0533 .0482	T55	.117 .103	900	8530

- GENERAL NOTES:
- [1] Grip length is from top of bolt head to end of full cylindrical portion of shank.
 - [2] "A", "A'" and "H" are included for engineering reference purpose only and are not to be used for inspection. Values "A", "A'" and "H" are calculated limits resulting from tolerances on "D", "M", "V" and head angle.
 3. Head edge out of roundness shall not exceed "Y" FIM.
 4. Shank shall be straight within .002 FIM per inch of length.
 5. Point shall be flat and chamfered. Incomplete thread shall not exceed two pitches.
 6. Concentricity: Conical surface of head to "D" diameter within .003 FIM. "D" diameter to thread pitch diameter within "Y" values FIM.
 7. Surface texture per ANSI B46.1. Bearing surface of head, fillet radius of head and all thread elements 32 RA maximum. All other surfaces 125 RA maximum.
 - [8] Head marking shall include the manufacturer's basic part number, first and second dash number and the manufacturer's identification.
 - [9] After September 30th of 2015, HI-KOTE™ 4 coating per HS397 will be replaced by HI-KOTE™ 4 NC coating per HS397.

MATERIAL: 6AL-4V titanium per AMS4928 or AMS4967.

HEAT TREAT: 95 ksi minimum shear strength.

© FINISH: [9]TX5000HK()-() = HI-KOTE™ 4 NC aluminum coating per Hi-Shear Spec 397.

CODE: First dash number indicates nominal thread diameter in 1/16ths.
Second dash number indicates maximum grip in 1/16ths.
Letter "X" following second dash number indicates .0156 oversize replacement bolt.
Letter "Y" following second dash number indicates .0312 oversize replacement bolt.

PROCUREMENT: NAS 4004. Fatigue and recess torque as tabulated.

EXAMPLE: TX5000HK4-7()

"X" = .0156 oversize
"Y" = .0312 oversize
7/16 inch Maximum Grip Length
4/16 or 1/4 inch Nominal Diameter
Basic Part Number

DRAWN	DATE	BY	TITLE	DRAWING NUMBER
	11-17-98	J.R.H.		
APPROVED	1-13-99	JAT	BOLT 100° FLUSH HEAD, GEAR DRIVE RECESS 6AL-4V TITANIUM 95 KSI FSU	TX5000
3 REVISION	8-13-15	F.C.		

TABLE 2

.0156 OVERSIZE "X" CODE			.0312 OVERSIZE "Y" CODE		
PART NUMBER	D DIA.	H REF.	PART NUMBER	D DIA.	H REF.
TX5000HK3-()X	.2051 .2041	.073	TX5000HK3-()Y	.2207 .2197	.067
TX5000HK4-()X	.2651 .2641	.099	TX5000HK4-()Y	.2807 .2797	.094
TX5000HK5-()X	.3276 .3266	.126	TX5000HK5-()Y	.3432 .3422	.121
TX5000HK6-()X	.3901 .3891	.153	TX5000HK6-()Y	.4057 .4047	.148
TX5000HK7-()X	.4526 .4516	.181	TX5000HK7-()Y	.4682 .4672	.175
TX5000HK8-()X	.5151 .5141	.208	TX5000HK8-()Y	.5307 .5297	.202

DRAWING NUMBER

TX5000

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