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This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

DASH NO.	A DIA	R DIA	C DIA	D DIA	E DIA	F	G	H	J	K	L DIA	M DIA	N RAD	P DIA	T THREAD	V	W	Y	SHAFT NO.
-7-1/2	1.812	1.106	1.938	1.688	1.812	2.250	.562	1.000		.150	1.288	.766	.109	1.3210	1.3750-12NF-4		.156	.312	7-1/2
-10	2.219	1.812	2.312	2.062	1.719				.139		1.670			1.6314	1.6875-12NS-4				10
-20	2.594	2.125	2.685	2.438	2.074	2.648	.688	1.188		.906	1.476	.891	.156	2.0760	2.0625-12NS-4	.125	.250	20	
-30	2.750	2.344	2.938	2.594	2.344	2.562	.594	1.156			2.279			2.2580	2.3125-12NS-4			30	
-40	3.344	2.938	3.500	3.198	2.844				.169	.875	2.727			2.7580	2.8125-12NS-4			40	
-50	3.475	3.169	4.188		3.531	3.375	.844	1.438		1.156	3.352	1.031		3.310	3.4375-12NS-4			50 (6)	
-55	4.171	4.312	5.031	4.798	4.344	3.625		1.648	.562	1.375	4.1147	.0060		4.1600	4.2500-8NS-4	.156		60A	

P.A. Air Force - 11 Other Cust Air Force - AV Navy - AS		TITLE NUT, PROPELLER HUB RETAINING (NON CONTROLLABLE TYPE)		MILITARY STANDARD MS5011	
PROCUREMENT SPECIFICATION NONE		SUPERSEDES: AN5011		SHEET 1 OF 1	

(1) -50A, -51, AND -51A SHAFT SIZES USE -50 NUT.  
 MATERIAL: ALUMINUM BRONZE, QQ-C-390A, COPPER ALLOY NO. 955.  
 FINISH: STEEL, CADMIUM PLATE, QQ-P-416, TYPE II CLASS 2. STEEL TO BE MAGNETICALLY INSPECTED IN ACCORDANCE WITH MIL-I-846C, OR AMS2610.  
 ROUNDNESS HEIGHT RATING 30 ALL OVER IN ACCORDANCE WITH ANSI B46.1 1978.  
 HEAT TREATMENT: ALUMINUM BRONZE - TENSILE STRENGTH 90,000 LBS/SQ IN MINIMUM. STEELS: ROCKWELL HARDNESS C-30-34.  
 BREAK SHARP EDGES .020 UNLESS OTHERWISE SPECIFIED.  
 DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.020, ANGLES ±0°-30'.  
 IDENTIFICATION MARKING TO BE IN ACCORDANCE WITH MIL-STD-130.

ITEM PARTS COVERED BY THIS STANDARD ARE FUNCTIONALLY AND PHYSICALLY INTERCHANGEABLE WITH THOSE PARTS HAVING IDENTICAL DIMENSIONS OF SUPERSEDED STANDARD AN5011.  
 FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.  
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

FED. SUP CLASS  
1610

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