



FED. SUP CLASS
5310

NOMINAL SIZE	SIZE DASH NO	T THREAD MIL-S-8878	A DIA MAX	B DIA MIN	C		D DIA MAX	(c) E		(d) F		G	H	(e) WRENCHING ELEMENT	(a) TEST WRENCHING TORQUE IN LBS	(b) AXIAL STRENGTH LBS/MIN	WEIGHT LBS/100 MAX (B)
					MAX	MIN		MIN	MIN	MAX	MIN						
10	-3	.1900-32UNJF-3B	.380	.300	.013	.013	.227	.065	.056	.031	.006	.243	.2188	60	2,460	.26	
1/4	-4	.2500-28UNJF-3B	.460	.400	.013	.013	.298	.090	.060	.036	.007	.291	.2812	150	4,580	.48	
3/8	-5	.3128-24UNJF-3B	.560	.500	.023	.013	.363	.120	.090	.042	.008	.336	.3750	330	7,390	.82	
1/2	-6	.3750-24UNJF-3B	.660	.600	.023	.013	.428	.125	.102	.042	.008	.361	.4375	530	11,450	2.70	

(A) ENTIRE STANDARD REVISED

- (a) NUTS SHALL BE TESTED FOR WRENCHING-TORQUE BY THE USE OF A BOX, OR SOCKET WRENCH
- (b) TEST BOLTS SHALL BE 160,000 PSI MIN
- (c) MINIMUM LENGTH OF EACH WRENCHING CORNER.
- (d) MINIMUM DISTANCE FROM THE WASHER FACE OF THE NUT TO THE BEGINNING OF THE MINIMUM LENGTH OF E OF EACH WRENCHING CORNER
- (e) WRENCHING ELEMENT SHALL BE IN ACCORDANCE WITH AS 870

MATERIAL: STEEL (SEE PROCUREMENT SPECIFICATION).
 HARDNESS: NUT, ROCKWELL C49 MAXIMUM; WASHER, ROCKWELL C45-MAX.
 PLATING: CADMIUM PER QQ-P-416, TYPE II, CLASS 2 OR IF THE NUTS ARE DRY LUBRICATED AND MEET THE SALT SPRAY REQUIREMENTS OF QQ-P-416 TYPE II, THE TYPE AND CLASS OF PLATING ARE OPTIONAL.
 LUBRICANT: IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
 SURFACE ROUGHNESS: .25 MICRONS PER ANSI (ASA) B46.1-1962.
 DIMENSIONS IN INCHES.

DESIGN INFORMATION: THESE NUTS ARE DESIGNED TO DEVELOP THE TENSILE STRENGTH OF BOLTS AND SCREWS WITH AN ULTIMATE TENSILE STRENGTH OF 125,000 PSI AT ROOM TEMPERATURE, BASED ON THE TENSILE STRESS AREA (AS DEFINED IN FEDERAL HANDBOOK H-28) OF THE BOLT OR SCREW THREAD.

AS OF 18 NOV. 1970 NO MS3376 NUTS HAVE BEEN TESTED AND QUALIFIED UNDER MIL-N-25027. PENDING THE ESTABLISHMENT OF QUALIFIED PRODUCTS LIST OR THE APPROVAL OF A PRODUCT FOR INCLUSION ON THE QPL, THE QUALIFICATION REQUIREMENTS (PARAGRAPH 4.3 AND E.3) AND THE QUALIFICATION TESTS OF MIL-N-25027 SHALL BE MAINTAINED FOR PROCUREMENT OF MS3376 NUTS DESTINED FOR GOVERNMENT USE. HOWEVER, MS3376 NUTS FURNISHED UNDER MIL-N-25027 SHALL MEET THE QUALIFICATION TESTS.

P A NAVY-AS	TITLE	MILITARY STANDARD
Other Cust	NUT, SELF-LOCKING, REDUCED HEIGHT, STEEL, 450°F, 12 POINT, CAPTIVE WASHER	MS3376 (AS)
Procurement Specification MIL-N-25027	SUPERSEDES	SHEET 1 OF 1

This standard has been approved by the Department of the Navy as necessary for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 18 NOV 1970 REVISED (A) 16 Feb 1971 (B) 1 June 1971