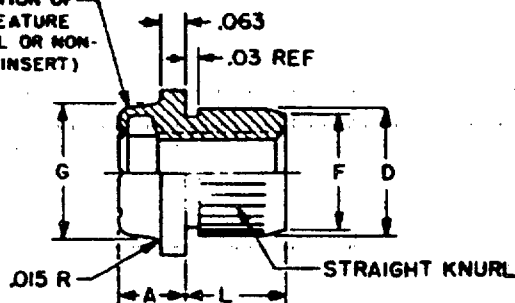
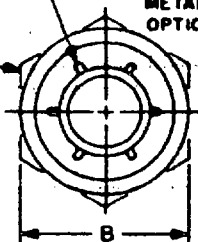


FED. SUP CLASS  
5310NUMBER OF  
STAKE MARKS  
OPTIONALHEXAGON  
OPTIONALCONFIGURATION OF  
LOCKING FEATURE  
(ALL-METAL OR NON-  
METALLIC INSERT)  
OPTIONALREVIEWER: AT, AV, EA, EL, GL, IS, NSA  
USER: AS, MC, ME, OS, PA, SH, WV

* (A) DASH NUMBER				THREAD	A ±.015	B DIA ±.015	D DIA		F REF	G REF	I ±.015	RECOMMENDED HOLE SIZE	
CARBON STEEL	AL ALLOY	BRASS	CRES STEEL				MIN	MAX				MIN	MAX
1	1A	1B	1C	8-32UNC-3B	.172	.438	.321	.325	.287	.370	.125	.312	.316
3	3A	3B	3C								.188		
8	8A	8B	8C								.125		
10	10A	10B	10C	10-32UNF-3B	.172	.438	.321	.325	.287	.370	.188	.312	.316
14	14A	14B	14C								.313		
18	18A	18B	18C								.188		
20	20A	20B	20C	1/4-28UNF-3B	.188	.563	.384	.388	.350	.438	.250	.375	.379
23	23A	23B	23C								.375		
27	27A	27B	27C								.188		
29	29A	29B	29C	5/16-24UNF-3B	.234	.625	.446	.450	.412	.500	.250	.437	.441
32	32A	32B	32C								.375		
35	35A	35B	35C								.188		
37	37A	37B	37C	3/8-24UNF-3B	.281	.688	.509	.513	.475	.570	.250	.500	.504
39	39A	39B	39C								.375		
43	43A	43B	43C								.188		
44	44A	44B	44C	7/16-20UNF-3B	.359	.750	.571	.575	.537	.660	.344	.562	.566
47	47A	47B	47C								.438		
48	48A	48B	48C								.375		
				1/2-20UNF-3B	.375	.875	.696	.700	.662	.770	.438	.687	.691

## NOTES:

- MATERIAL:** Steel, carbon, Grade B in accordance with procurement specification.  
Steel, corrosion-resisting, in accordance with procurement specification.  
Aluminum alloy in accordance with procurement specification.  
Brass in accordance with procurement specification.  
Non-metallic insert shall be nylon or equivalent.
- PROTECTIVE COATING:** Steel, carbon: Cadmium plated in accordance with procurement specification.  
Steel, corrosion-resisting: Passivated in accordance with procurement specification.  
Aluminum alloy: Anodized in accordance with procurement specification.  
Brass: Uncoated.
- THREADS:** The threads shall be in accordance with the procurement specification.
- DIMENSIONS:** All dimensions are in inches.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS51866-1.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- These nuts shall be used in accordance with the limitations of MS33588.

(A) \* LINED OUT DASH NUMBERS ARE INACTIVE FOR NEW DESIGN AFTER 15 JAN 1976.

P.A. WC Other Code 82	TITLE NUT, SELF-LOCKING, SPLINE - GENERAL PURPOSE, 250°F	MILITARY STANDARD MS51866
PROCUREMENT SPECIFICATION MIL-N-45913	SUPERSEDES	SHEET 1 OF 1

DD FORM 872-1 (Classification)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5310-0807

This standard is approved for use by all Departments and Agencies  
of the Department of Defense. Selection for all new engineering and design  
work and for repetitive use shall be made from this document.

APPROVED 22 JUN 1970 REVISED 15 JAN 1976