

INCH-POUND

MS27417A  
 21 JULY 2009  
 SUPERSEDING  
 MS27417  
 30 June 1965

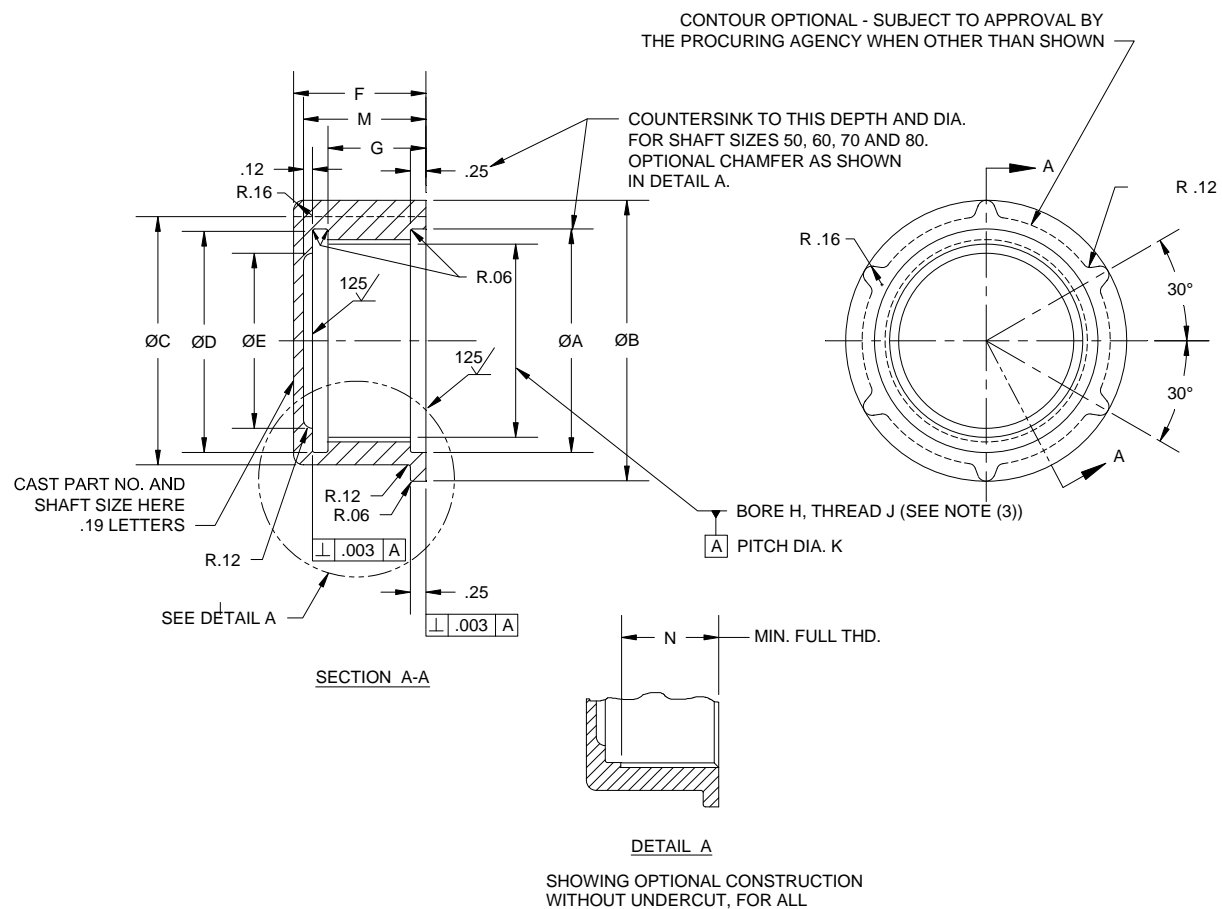
## DETAIL SPECIFICATION SHEET

## CAP – PROPELLER SHAFT THREAD, SHIPPING

Inactive for new design after 22 August 1997

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet.

FIGURE 1. Cap.

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TABLE I. Part Numbers and Dimensions

MS PART NO.	AN SHAFT NO.	ØA	ØB	ØC	ØD (4)	ØE	F	G MIN	ØH	THREAD J (REF)	ØK	M	N
MS27417-50	50	3.53	4.44	3.94	3.56	2.75	2.06	1.00	3.3473 ± .0090 .0000	3.4375-12NS-2	3.3834 ± .0089 .0000	1.81	1.36
MS27417-60	60	4.33	5.19	4.69	4.36	3.50	2.31	1.25		4.250-8N-2 (3)		2.06	1.55
MS27417-70	70	5.14	6.12	5.62	5.19	4.12	2.31	1.25	4.9897 ± .0140 .0000	5.125-8NS-2	5.0438 ± .0140 .0000	2.06	1.55
MS27417-80	80	6.02	7.00	6.50	6.06	5.12	2.30	1.31		6.000-8N-2 (3)		2.12	1.55

## NOTES:

1. Material: Aluminum Alloy, ASTM B26/B26M, ASTM B85, ASTM B108/B108M, SAE AMS4290, SAE AMS4291, SAE J452 or SAE J453.  
Magnesium, ASTM B94.  
Zinc Base Die Casting Alloy, ASTM B86.  
Phenolic, Molded Plastic, ASTM D5948, Type CFG.  
Cellulose Acetate Butyrate, ASTM D707, Group 01, Class 5.
2. Finish. Aluminum Alloy, Anodize per MIL-A-8625, Type II.  
Magnesium, Corrosion Protection per SAE AMS-M-3171, Type V.
3. Unless otherwise specified, threads shall be in accordance with FED-STD-H28.
4. Dimension ØD may be same as minor diameter of thread, in which case, additional full thread shall be represented by dimension N in detail A.
5. Unless otherwise specified, dimensions in inches, Tolerances: ± .02, Angles ± .5°, Rough Casting ± .03.
6. Break all sharp edges and remove burrs.
7. For design feature purposes, this standard takes precedence over documents referenced herein.
8. Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:  
Air Force – 99  
DLA-IS

Preparing activity:  
DLA – IS

(Project 5340-2009-018)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.