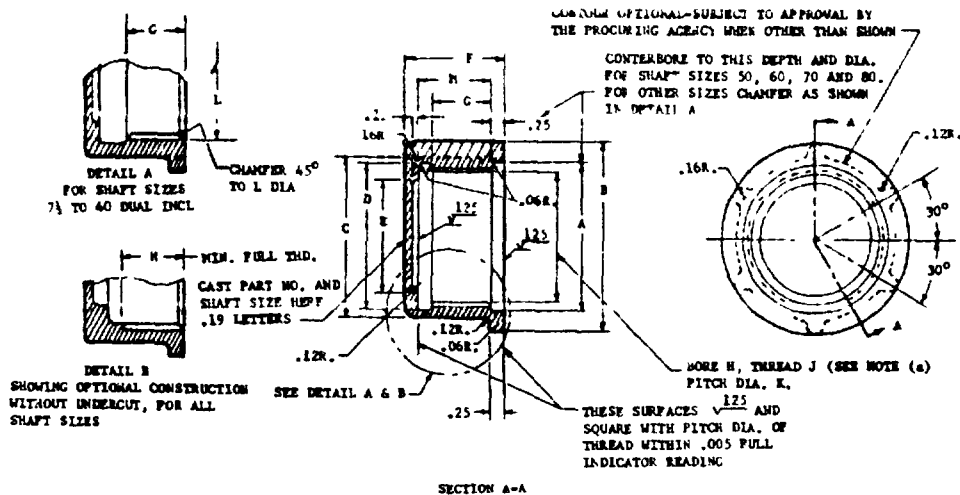


User Activities

Activities  
Army - 69  
NAVY - 69FED SUP CLASS  
5340

MS PART NO	SH	A	B	C	(B)	E	F	G	H	THREAD J	K	L	M	N
SHAFT NO.	DIA.	DIA.	DIA.	DIA.	DIA.	DIA.	MIN.	DIA.	(REF)	DIA.	DIA.	DIA.	DIA.	DIA.
MS27417-7 1/2	7 1/2	-	2.31	1.81	1.50	.81	1.43	.68		1.375-12N-2		1.40	1.18	.92
MS27417-10	10	-	2.62	2.12	1.81	1.12	1.37	.62	1.5975-.0008 -.0000	1.6875-12NS-2	1.6334-.0007 -.0000	1.71	1.12	.92
MS27417-20	20	-	3.00	2.50	2.19	1.50	1.61	.86	1.9723+.0020 -.0000	2.0625-12NS-2	2.0084+.0003 -.0000	2.09	1.36	.99
MS27417-30	30	-	3.25	2.75	2.44	1.75	1.59	.04	2.2234+.0090 -.0000	2.3125-12NS-2	2.2584+.0083 -.0000	2.33	1.34	1.01
(c) MS27417-40	40	-	3.75	3.25	2.94	2.25	1.59	.64	2.7223+.0090 -.0000	2.8125-12NS-2	2.7564+.0083 -.0000	2.83	1.34	1.01
(d) MS27417-D40	40 DUAL	-	3.75	3.25	2.94	2.25	2.14	1.33	2.7223+.0090 -.0000	2.8125-12NS-2	2.7584+.0083 -.0000	2.83	1.49	1.33
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+.0079 -.0000	-	1.81	1.36
MS27417-60		4.33	5.19	4.69	4.36	3.50	2.31	1.25		(a) 4.250-8N-2		-	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		(a) 6.000-8N-2		-	2.12	1.55

MATERIAL: Aluminum Alloy, Spec. QQ-A-591.  
Magnesium, Spec. QQ-M-35  
Zinc Base Die Casting Alloy, Spec. QQ-Z-363  
Phenolic, Molded Plastic, Spec. L-P-310, Type XI  
Cellulose Acetate Butyrate, Spec. L-P-349, Type I, Class M1

FINISH: Aluminum Alloy - Anodize per Spec. MIL-A-625, Type II  
Magnesium, Corrosion Protection per Spec. MIL-N-3171, Type V.

- (a) Unless otherwise specified, threads shall be in accordance with Handbook H-20.  
(b) Dimension D may be same as minor diameter of thread, in which case, additional full thread shall be represented by dimension N in detail B.  
(c) This cap may be used on a size 40 dual rotating shaft end when AN5022 Collar and AN5023 Nut is not used.  
(d) This cap must be used on a size 40 dual rotating shaft end with AN5022 Collar and AN5023 Nut.  
Identification marking shall be in accordance with MIL-STD-130.  
Marking for shipment shall be in accordance with MIL-STD-129.  
MS27417 items are universally interchangeable with AN5012 items of like dash numbers.  
Unless otherwise specified, dimensions in inches. Tolerances: Decimals  $\pm .02$ , Angles  $\pm 1/2^\circ$ ,  
Rough Casting  $\pm .03$ .  
Shaft End design Standard AND10152.  
Break all sharp edges and remove burrs.  
For design feature purposes this standard takes precedence over documents referenced herein.  
Referenced documents shall be of the issue in effect on date of invitation for bid.

P. A. AIR FORCE - 69

Other Com

ARMY - NO  
NAVY - 69

TITLE

CAP-PROPELLER SHAFT THREAD, SHIPPING

MILITARY STANDARD

MS 27417

PROCUREMENT SPECIFICATION  
NOTE

SUPERSEDES AN5012

SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

EDITION OF 1 SEP 67 MAY BE USED

APPROVED 30 JUNE 1965 REVISED

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