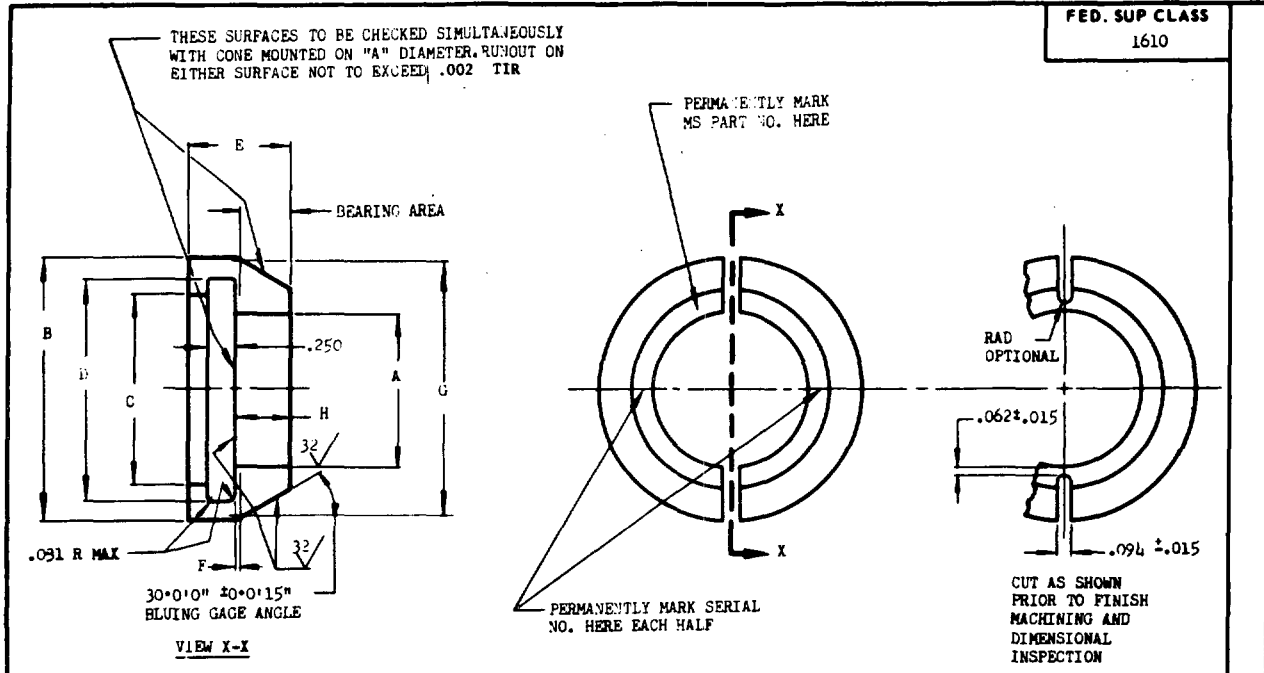


NOTICE—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government hereby issues no responsibility, nor any obligation whatsoever; and the fact that the Government may have furnished, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

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 +.001 -.000 DIA	B +.000 -.010 DIA	C DIA	D DIA	E	F +.010 -.000	G ±.000 GAGE DIA	H	SHAFT NO.
-7-1/2	1.375	2.380	1.750	2.000	.906	.000	2.375	.500	7-1/2
-10	1.687	2.755	2.125	2.375			2.750		10
-20	2.062	3.130	2.500	2.750			3.125		20
-30	2.312	3.192	2.688	3.000			3.187		30
-40	2.812	3.880	3.250	3.562	1.000	.000	3.875	.531	40
(a) -50	3.500	4.567	3.938	4.250			4.562		50(a)
-60A	4.296	5.364	4.734	5.047			5.359		60A
-70	5.156	6.224	5.594	5.906			6.219		70
-80	6.011	7.079	6.500	6.766		7.074		80	

MATERIAL: STEEL, MIL-S-5000, OR MIL-S-8503. OPTIONAL MATERIALS, AMS 6415, OR AMS 6448.
 FINISH AFTER SPLITTING: CADMIUM PLATE, QQ-P-416, TYPE II CLASS 2 OR CHROMIUM PLATE, .0003 TO 0.0005 THICK, QQ-C-320, CLASS 2.

- (A) ROUGHNESS HEIGHT RATING 63, UNLESS OTHERWISE SPECIFIED, IN ACCORDANCE WITH ANSI B46.1 1978.
- HEAT TREATMENT: ROCKWELL C48-52, MIL-H-6875.
- REMOVE ALL BURRS AND SHARP EDGES .020.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010.
- MAX TAPER ON "A" DIMENSION NOT TO EXCEED .0005 PER INCH OF LENGTH.
- THE BEARING CONTACTS ON THE TAPER CONE SEAT SHALL BE EVENLY DISTRIBUTED AND SHALL COVER NOT LESS THAN 75 PERCENT OF THE BEARING AREA.
- CONE TO BE DIMENSIONALLY INSPECTED BEFORE SPLITTING.
- MATING HALVES OF CONES MARKED WITH IDENTICAL SERIAL NUMBERS SHALL BE PRESERVED IN ACCORDANCE WITH MIL-P-6074 AND PACKED IN A SEALED CONTAINER. CONTAINER TO BE MARKED AS FOLLOWS: "THIS CONTAINER TO BE BROKEN ONLY WHEN CONTENTS ARE READY FOR USE. MATING HALVES OF CONES BEARING IDENTICAL SERIAL NUMBERS MUST NOT BE ISSUED SEPARATELY FROM STOCK."
- 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 DASH NUMBERS OF SUPERSEDED STANDARD AN5007.
 (a) -50A, -51, AND -51A SHAFT SIZES USE -50 CONE.

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.

P.A. Air Force - 11 Other Cust Army - AV Navy - AS	TITLE	MILITARY STANDARD	
	CONE, PROPELLER HUB, FRONT	MS5007	
PROCUREMENT SPECIFICATION NONE	SUPERSEDES: AN5007	SHEET 1	OF 1

APPROVED 5 Sep 61 REVISED 29 Apr 61