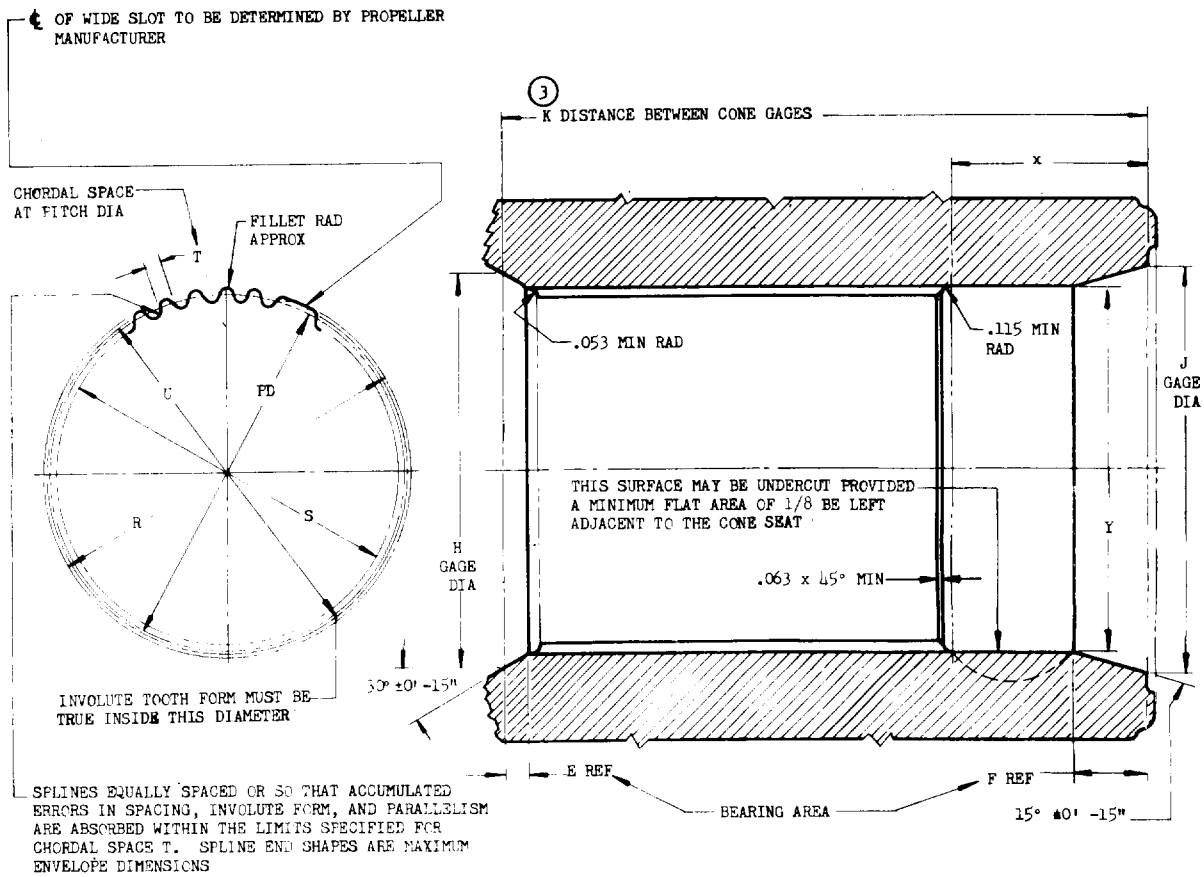

3

SHAFT NO.	E REF	F REF	H GAGE DIA	J GAGE DIA	K DISTANCE MAXIMUM	II	III	MINIMUM	X MIN	Y DIA
60A	.430	1.125	5.359	5.500	8.484	8.259	8.034	7.809	3.500	4.844
(a) 60	.500	1.125	5.565	5.500	8.088	-	-	7.535	3.156	4.844
70	.430	1.125	6.219	6.375	9.984	9.735	9.486	8.637	3.500	5.719
80	.430	1.125	7.074	7.239	11.545	10.826	10.107	9.388	3.500	6.594
41	.430	1.125	3.875	3.875	6.594	-	-	6.594	2.531	3.156
(b) 51	.430	1.125	4.562	4.625	6.781	-	-	6.781	2.313	3.844

INVOLUTE TOOTH SPLINE DATA

SHAFT NO.	R +.025 -.010 DIA	S +.005 -.002 DIA	T +.0030 -.0000	U MIN DIA	DIAMETRAL PITCH	NO. OF TEETH	PRESSURE ANGLE	PITCH DIA	FILLET MIN RAD
60A	4.801	4.446	.2243	4.696	7/16	32	30°	4.5714	.068
(a) 60	4.801	4.446	.2243	4.696	7/16	32	30°	4.5714	.068
70	5.659	5.304	.2243	5.554	7/16	38	30°	5.4286	.068
80	6.516	6.161	.2243	6.411	7/16	44	30°	6.2857	.068
41	3.445	2.917	.1309	3.083	12/24	36	30°	3.0000	.035
(b) 51	3.812	3.583	.1309	3.750	12/24	44	30°	3.6667	.035

(a) SHAFT NO. 60 INACTIVE FOR DESIGN AFTER 25 JUNE 1948. SHAFT NO. 60A REPLACES NO. 60.
(b) APPLICABLE FOR SPECIFIC INSTALLATIONS AS SPECIFIED IN APPROVED PROPELLER MODEL SPECIFICATIONS.
FOR DEFINITION AND APPLICATION OF DRAWING STATUS NOTES, SEE ANA BULLETIN NO. 337.
WITH HUB IN POSITION AGAINST REAR CONE ON ENGINE SHAFT, INBOARD END MUST CLEAR THRUST NUT AND NOSE SECTION AS SHOWN ON AND10152, SHEET 4, BY AT LEAST .100 INCHES TO ALLOW FOR CONE REGRINDING.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010, ANGLES ±2°.

APPROVED 13 Oct 44 REVISED (1) 25 Jun 48 (2) 4 Oct 50 (3) 22 Jul 52

AIR FORCE-NAVY AERONAUTICAL DESIGN STANDARD

PROPELLER HUBS-STANDARD DIMENSIONS FOR INVOLUTE TOOTH SPLINE CONTROLLABLE PITCH

AND10529

NOT A PART NUMBER