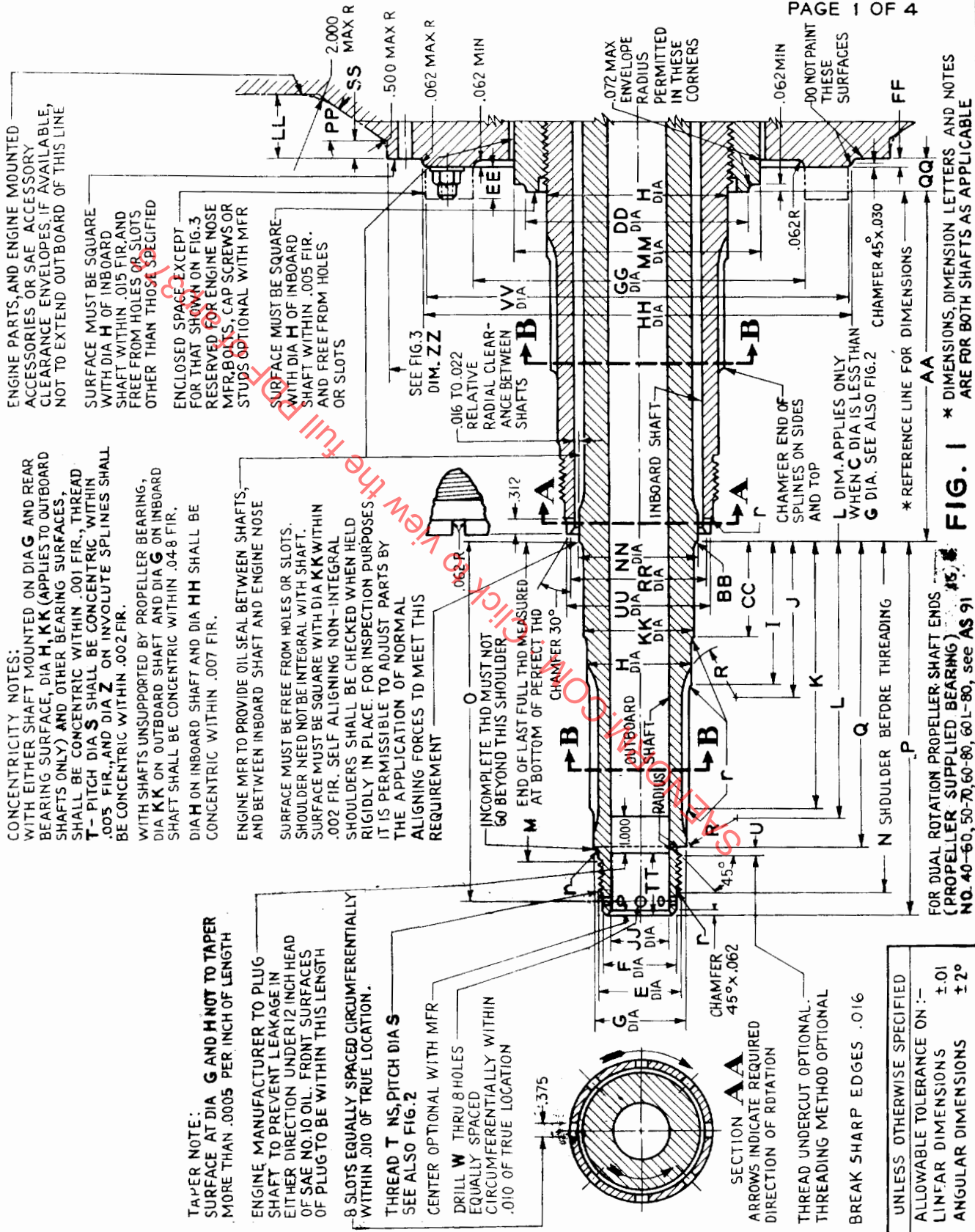


**PROPELLER SHAFT ENDS, DUAL ROTATION
(PROPELLER SUPPLIED BEARING)**

Issued 11-1-46
Revised

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LET	TOLERANCE		41 — 60		51 — 70		70 — 90		70L — 90		80 — 100		80L — 100	
	OUT-BOARD SHAFT	IN-BOARD SHAFT	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES
A	+0.000	-.005	3.083	4.680	3.750	5.539	5.539	7.554	5.539	7.554	6.411	8.667	6.411	8.667
B	MAX		2.917	4.436	3.583	5.294	5.294	7.294	5.294	7.294	6.151	8.313	6.151	8.313
C	+0.000	-.020	2.850	—	3.517	—	—	—	—	—	—	—	—	—
	+0.010	-.020	—	4.321	—	5.179	5.179	7.179	5.179	7.179	6.036	8.199	6.036	8.199
D	+0.000	-.0030	.1299	.2233	.1299	.2233	.2233	.2234	.2233	.2234	.2233	.2607	.2233	.2607
E	+0.000	-.004	2.807	4.245	3.432	5.120	5.120	7.120	5.120	7.120	5.995	8.120	5.995	8.120
F	+0.000	-.005	2.688	4.062	3.312	4.938	4.938	6.938	4.938	6.938	5.812	7.938	5.812	7.938
G	+0.000	-.002	2.812	4.296	3.500	5.156	5.156	7.156	5.156	7.156	6.011	8.174	6.011	8.174
H	+0.000	-.002	3.125	4.687	3.812	5.562	5.562	7.570	5.562	7.570	6.426	8.682	6.426	8.682
I	±.020	±.025	4.438	1.812	7.375	1.812	14.188	3.312	20.188	3.312	15.875	3.500	23.875	3.500
J	±.030	±.040	4.938	2.312	7.875	2.312	14.688	3.812	20.688	3.812	16.375	4.000	24.375	4.000
K	±.020	—	8.250	5.375	11.188	5.375	19.062	8.000	25.062	8.000	21.500	9.000	29.500	9.000
L	±.020	—	—	—	11.312	—	—	—	—	—	—	—	—	—
M	+0.000*	+0.010*	9.475	8.360	12.412	8.360	21.235	11.610	27.235	11.610	24.485	13.735	32.485	13.735
N	+0.010	-.030	10.641	9.735	13.578	9.735	22.610	13.110	28.610	13.110	25.060	15.235	33.060	15.235
O	±.015	—	10.938	—	13.812	—	23.000	—	29.000	—	26.312	—	34.312	—
P	±.020	—	11.312	10.625	14.250	10.625	23.250	14.062	29.250	14.062	26.562	15.875	34.562	15.875
Q	±.020	—	9.375	8.250	12.312	8.250	21.125	11.500	27.125	11.500	24.375	13.625	32.375	13.625
R	MAX	—	1.530	2.030	1.530	2.030	2.030	3.030	2.030	3.030	2.030	3.030	2.030	3.030
	MIN	—	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125
r	+0.030	-.000	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062	.062
S	+0.000	-.0030	2.7560	—	3.3810	—	—	—	—	—	—	—	—	—
	+0.000	-.0050	—	4.1668	—	5.0418	5.0418	—	5.0418	—	5.9168	—	5.9168	—
	+0.000	-.0080	—	—	—	—	—	7.0418	—	7.0418	—	8.0418	—	8.0418
T	—	—	2.8125-12	4.250-8	3.4375-12	5.125-8	5.125-8	7.125-8	5.125-8	7.125-8	6.000-8	8.125-8	6.000-8	8.125-8
U	±.030	—	.170	.250	.170	.250	.250	.250	.250	.250	.250	.250	.250	.250
V	APPROX	—	.035	.068	.035	.068	.068	.068	.068	.068	.068	.080	.068	.080
W	—	—	.2656	—	.2656	—	.2656	—	.2656	—	.2656	—	.2656	—
X	—	—	36	32	44	38	38	52	38	52	44	51	44	51
Y	—	—	12/24	7/16	12/24	7/16	7/16	7/16	7/16	7/16	7/16	6/12	7/16	6/12
Z	THEO	—	3.0000	4.5714	3.6667	5.4286	5.4286	7.4286	5.4286	7.4286	6.2857	8.5000	6.2857	8.5000
AA	±.030	—	10.688	—	10.688	—	14.125	—	14.125	—	15.938	—	15.938	—
BB	MAX	—	.094	—	.094	—	.094	—	.094	—	.094	—	.094	—
CC	±.020	—	2.375	—	2.375	—	6.000	—	6.000	—	6.000	—	6.000	—
DD	—	—	5.812	—	6.688	—	8.750	—	8.750	—	10.000	—	10.000	—
EE	MAX	—	.750	—	.750	—	1.000	—	1.000	—	1.000	—	1.000	—
FF	—	—	.312	—	.312	—	.312	—	.312	—	.375	—	.375	—
GG	MIN	—	7.750	—	8.750	—	11.375	—	11.375	—	13.000	—	13.000	—
HH	±.001	—	10.123	—	11.123	—	14.373	—	14.373	—	15.248	—	15.248	—
JJ	±.005	—	2.188	—	2.812	—	4.375	—	4.375	—	5.156	—	5.156	—
KK	±.0005	—	3.1498 (80MM BRG)	—	3.8191 (97MM BRG)	—	5.5908 (142MM BRG)	—	5.5908 (142MM BRG)	—	6.4567 (164MM BRG)	—	6.4567 (164MM BRG)	—
LL	MIN	—	2.062 **	—	2.062 **	—	4.000	—	4.000	—	4.000	—	4.000	—
MM	MAX	—	6.188	—	7.062	—	9.125	—	9.125	—	10.875	—	10.875	—
NN	MIN	—	3.594	—	4.344	—	6.250	—	6.250	—	7.125	—	7.125	—
PP	MIN	—	35° **	—	35° **	—	45°	—	45°	—	45°	—	45°	—
QQ	±.025	—	.938	—	.938	—	.938	—	.938	—	1.062	—	1.062	—
RR	—	—	—	3.852	—	4.602	—	6.750	—	6.750	—	7.750	—	7.750
SS	MIN	—	.500	—	.500	—	.500	—	.500	—	.500	—	.500	—
TT	±.030	—	3.000	—	3.000	—	3.000	—	3.000	—	3.000	—	3.000	—
UU	—	—	—	4.000	—	4.812	—	6.875	—	6.875	—	7.875	—	7.875
VV	MAX	—	10.102	—	11.072	—	14.250	—	14.250	—	15.125	—	15.125	—

INBOARD AXIAL DIMENSIONS ARE FROM THRUST NUT

M DIM. MAX LIMIT GIVES MIN FULL THREAD

* MINUS VALUE DEPENDS ON METHOD OF THREADING AND THD RUNOUT RELATION TO SHOULDER Q
TO OBTAIN DIM. FOR FULL NUMBER OF PITCHES, WHEN DESIRED, DEDUCT BASIC M FROM BASIC N

M DIM. DOES NOT APPLY WHEN UNDERCUT IS USED

** LL TO BE 4.000 AND PP TO BE 45° WHEN PRACTICABLE

UNLESS OTHERWISE SPECIFIED

ALLOWABLE TOLERANCE ON:-
LINEAR DIMENSIONS ±.01
ANGULAR DIMENSIONS ± 2°

TABLE FOR FIG. 1 AND 2

- 3 -

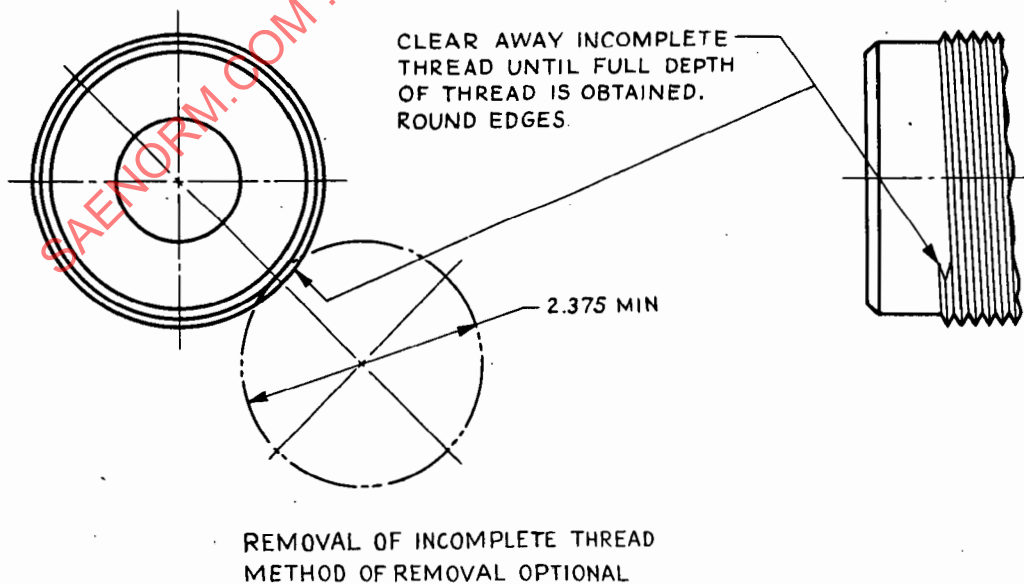
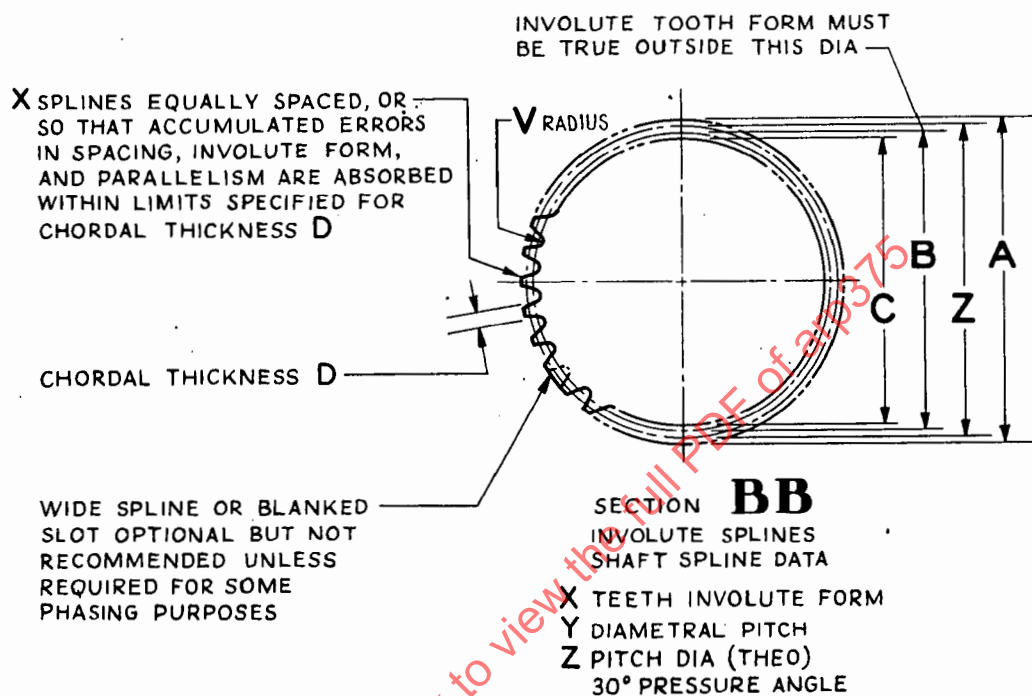


FIG. 2

UNLESS OTHERWISE SPECIFIED

ALLOWABLE TOLERANCE ON:-
LINEAR DIMENSIONS ± 0.01
ANGULAR DIMENSIONS $\pm 2^\circ$