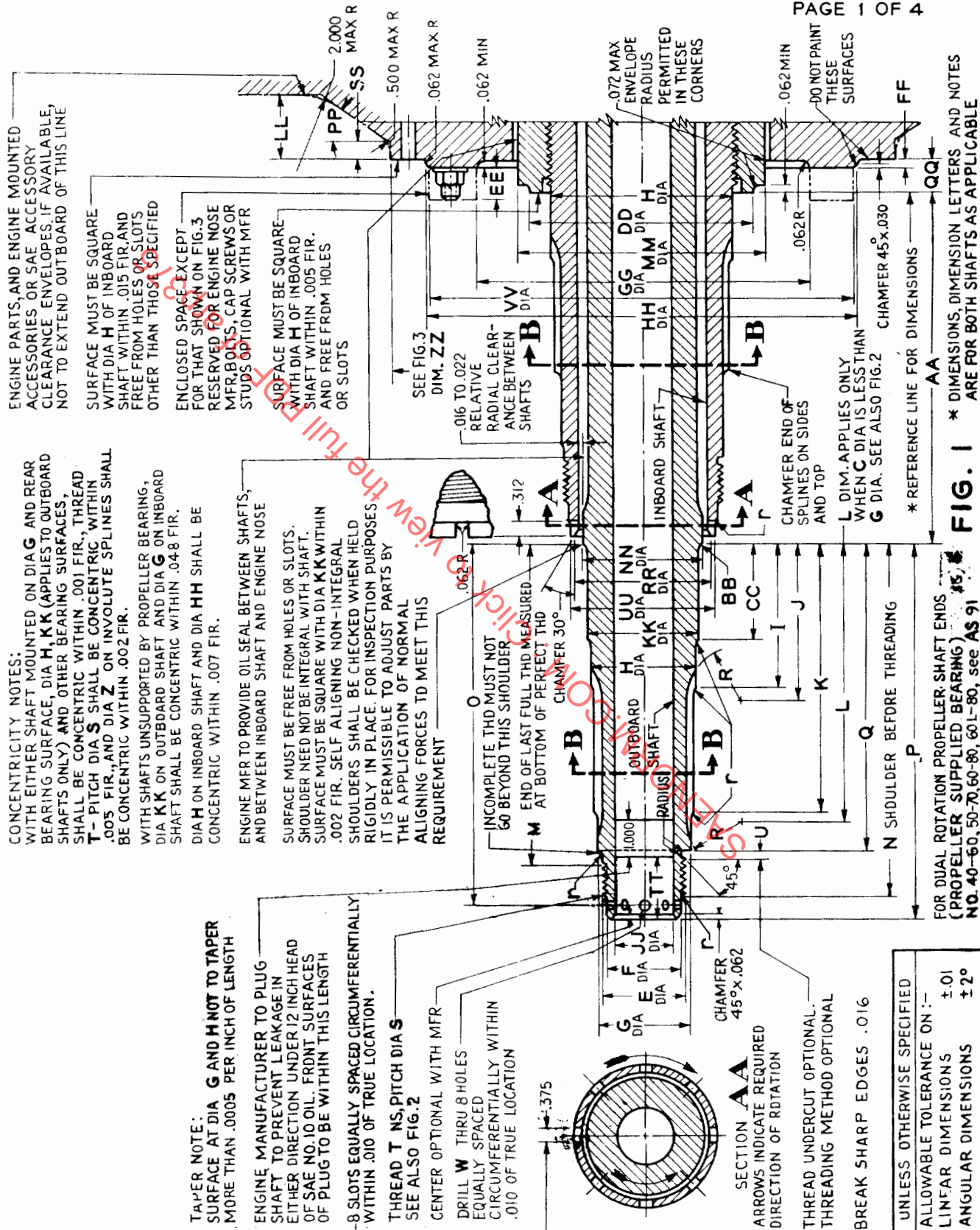


PROPELLER SHAFT ENDS, DUAL ROTATION (PROPELLER SUPPLIED BEARING)

Issued 11-1-48
Revised

PAGE 1 OF 4



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 -

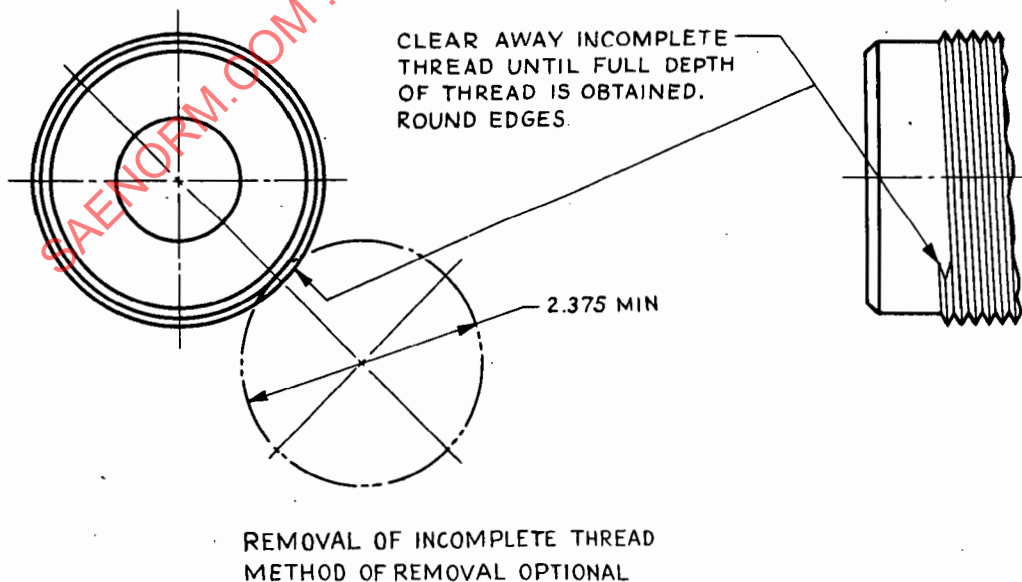
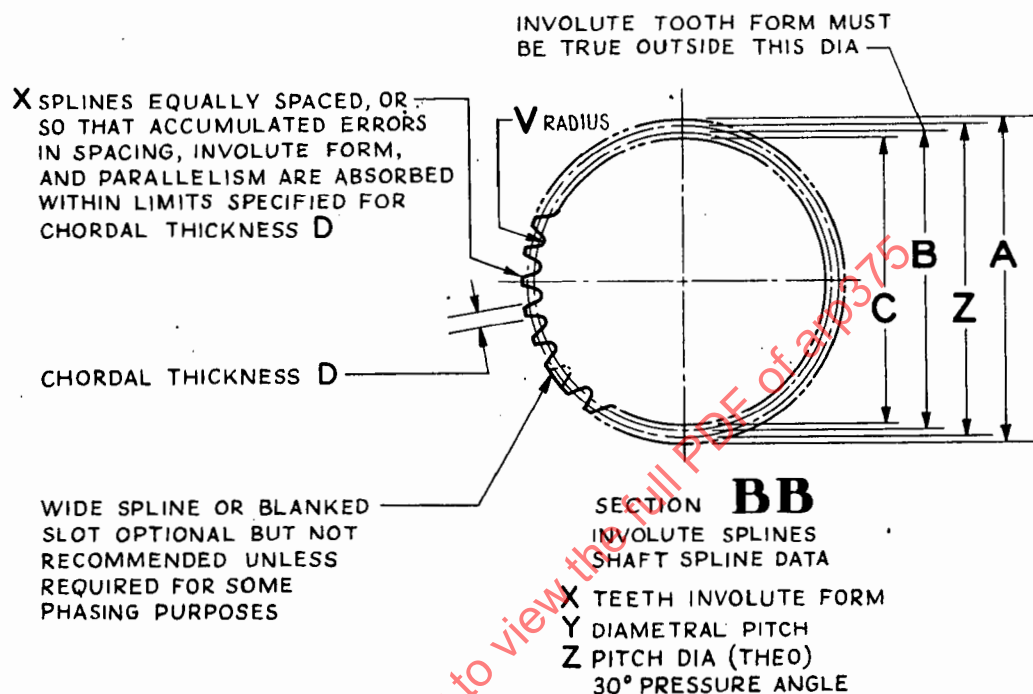


FIG. 2

UNLESS OTHERWISE SPECIFIED

ALLOWABLE TOLERANCE ON:-

LINEAR DIMENSIONS ± 0.01

ANGULAR DIMENSIONS $\pm 2^\circ$