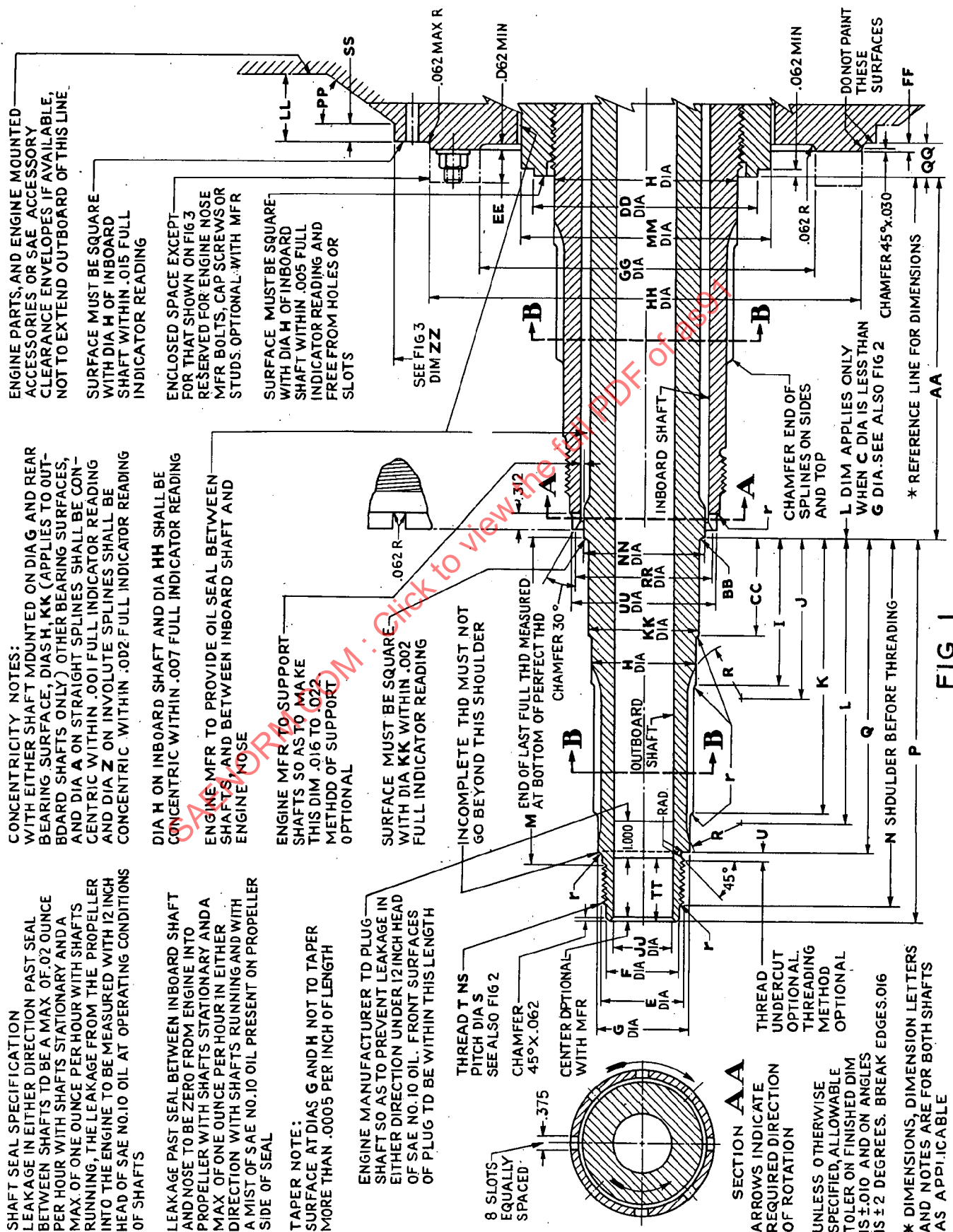


PROPELLER SHAFT ENDS, DUAL ROTATION
(Propeller Supplied Bearing)

Issued 7-1-43

Revised



LET	TOLERANCE		40 — 60		50 — 70		60 — 80		60L — 80	
	OUT-BOARD SHAFT	IN-BOARD SHAFT	STRAIGHT SPLINES	INVOLUTE SPLINES	STRAIGHT SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES	INVOLUTE SPLINES
A	+0.000	-.002	3.117	—	3.804	—	—	—	—	—
	+0.000	-.005	—	4.680	—	5.539	4.680	6.411	4.680	6.411
B	MAX		2.875	4.436	3.554	5.294	4.436	6.151	4.436	6.151
C	MIN		2.783	—	3.462	—	—	—	—	—
	+0.010	-.020	—	4.321	—	5.179	4.321	6.036	4.321	6.036
D	±.0008		.3040	—	.375	—	—	—	—	—
	+0.0000	-.0030	—	.2233	—	.2233	.2233	.2233	.2233	.2233
E	+0.000	-.004	2.807	4.245	3.432	5.120	4.245	5.995	4.245	5.995
F	+0.000	-.005	2.688	4.062	3.312	4.938	4.062	5.812	4.062	5.812
G	+0.000	-.002	2.812	4.296	3.500	5.156	4.296	6.011	4.296	6.011
H	+0.000	-.002	3.125	4.687	3.812	5.562	4.687	6.426	4.687	6.426
I	±.020	±.025	4.438	1.812	7.375	1.812	8.250	3.250	13.250	3.250
J	±.030	±.040	4.938	2.312	7.875	2.312	8.750	3.750	13.750	3.750
K	—	±.020	8.250	5.375	11.188	5.375	12.297	7.400	17.297	7.400
L	±.020	—	8.375	—	11.312	—	—	—	—	—
M	+0.000 *	+0.010 *	9.475	8.360	12.412	8.360	13.808	10.360	18.808	10.360
N	+0.000	+0.010	10.641	9.735	13.578	9.735	15.183	11.610	20.183	11.610
P	—	±.020	11.312	10.625	14.250	10.625	15.688	12.500	20.688	12.500
Q	—	±.020	9.375	8.250	12.312	8.250	13.688	10.250	18.688	10.250
R	MAX		1.530	2.030	1.530	2.030	2.030	2.030	2.030	2.030
	MIN		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
S	+0.0000	-.0030	2.7560	—	3.3810	—	—	—	—	—
	+0.0000	-.0050	—	4.1668	—	5.0418	4.1668	5.9168	4.1668	5.9168
T	—	—	2.8125-12	4.250-8	3.4375-12	5.125-8	4.250-8	6.000-8	4.250-8	6.000-8
U	±.030	—	.170	.250	.170	.250	.250	.250	.250	.250
V	—	—	—	.068	—	.068	.068	.068	.068	.068
X	—	—	16	32	16	32	32	44	32	44
Y	—	—	—	1/16	—	1/16	1/16	1/16	1/16	1/16
Z	THEO		—	4.5714	—	5.4286	4.5714	6.2857	4.5714	6.2857
AA	±.030		10.688		10.688		12.562		12.562	
BB	+0.000	-.020	.094	—	.094	—	.094	—	.094	—
CC	—		2.375	—	2.375	—	4.938	—	4.938	—
DD	—		5.812		6.688		7.562		7.562	
EE	MAX		.750		.750		.750		.750	
FF	—		.312		.312		.312		.312	
GG	MIN		7.750		8.750		9.625		9.625	
HH	±.001		10.123		11.123		12.625		12.625	
JJ	+0.005	—	2.188	—	2.812	—	3.562	—	3.562	—
KK	+0.0000	—	3.1498 (80 M/M BRG)	—	3.8191 (97 M/M BRG)	—	4.7246 (120 M/M BRG)	—	4.7246 (120 M/M BRG)	—
LL	MIN **		2.062		2.062		2.062		2.062	
MM	MAX		6.188		7.062		7.938		7.938	
NN	MIN		3.594		4.344		5.375		5.375	
PP	MIN **		35°		35°		35°		35°	
QQ	±.025		.938		.938		.938		.938	
RR	—		3.852		4.602		5.688		5.688	
SS	MIN		.500		.500		.500		.500	
TT	±.030	—	3.000	—	3.000	—	3.000	—	3.000	—
UU	—		4.000		4.812		5.781		5.781	

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

TABLE FOR FIG 1 AND 2

UNLESS OTHERWISE SPECIFIED ALLOWABLE TOLER ON FINISHED DIM IS ±.010 AND ON ANGLES ±2 DEGREES

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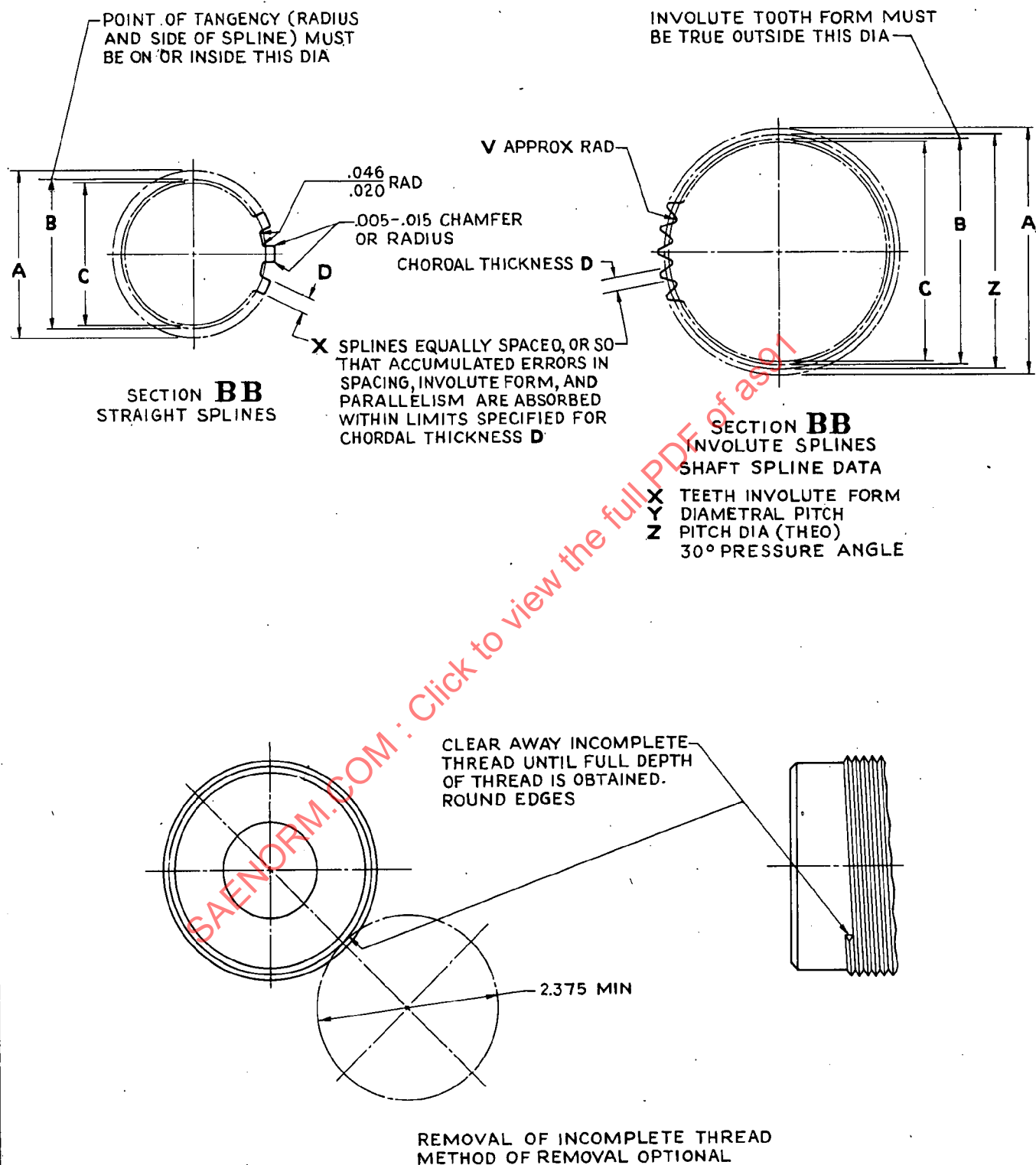


FIG 2