

-2-

LET	TOLERANCE		40 — 60***		50 — 70***		60 — 80		60L — 80	
	OUTBOARD SHAFT	INBOARD 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	—	—	—	—	—
B	+0.000	-.005	—	4.680	—	5.539	4.680	6.411	4.680	6.411
C	MAX	—	2.875	4.436	3.554	5.294	4.436	6.151	4.436	6.151
	MIN	—	2.783	—	3.462	—	—	—	—	—
D	+0.010	-.020	—	4.321	—	5.179	4.321	6.036	4.321	6.036
	±.0008	—	.3040	—	.375	—	—	—	—	—
E	+0.0000	-.0030	—	.2233	—	.2233	.2233	.2233	.2233	.2233
F	+0.000	-.004	2.807	4.245	3.432	5.120	4.245	5.995	4.245	5.995
G	+0.000	-.005	2.688	4.062	3.312	4.938	4.062	5.812	4.062	5.812
H	+0.000	-.002	2.812	4.296	3.500	5.156	4.296	6.011	4.296	6.011
I	+0.000	-.002	3.125	4.687	3.812	5.562	4.687	6.426	4.687	6.426
J	±.020	±.025	4.438	1.812	7.375	1.812	8.250	3.250	13.250	3.250
K	±.030	±.040	4.938	2.312	7.875	2.312	8.750	3.750	13.750	3.750
L	±.020	—	8.250	5.375	11.188	5.375	12.297	7.400	17.297	7.400
M	±.020	—	8.375	—	11.312	—	—	—	—	—
N	+0.000*	+0.010*	9.475	8.360	12.412	8.360	13.808	10.360	18.808	10.360
	+0.010	-.030	10.641	9.735	13.578	9.735	15.183	11.610	20.183	11.610
O	±.015	—	10.938	—	13.812	—	15.438	—	20.438	—
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	APPROX	—	—	.068	—	.068	.068	.068	.068	.068
W	±.0100	—	.2656	—	.2656	—	.2656	—	.2656	—
X	—	—	16	32	16	38	32	44	32	44
Y	—	—	—	7/16	—	7/16	7/16	7/16	7/16	7/16
Z	THEO	—	—	4.5714	—	5.4286	4.5714	6.2857	4.5714	6.2857
AA	±.040	—	10.688	—	10.688	—	12.562	—	12.562	—
BB	MAX	—	.094	—	.094	—	.094	—	.094	—
CC	±.020	—	2.375	—	2.375	—	4.938	—	5.938	—
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	+0.000	—	3.1498 (80MM BRG)	—	3.8191 (97MM BRG)	—	4.7246 (120MM BRG)	—	4.7246 (120MM 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	±.035	—	.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	—
VV	MAX	—	10.102	—	11.072	—	12.574	—	12.574	—

INBOARD AXIAL DIMENSIONS ARE FROM THRUST NUT

M DIM. MAX LIMIT GIVES MIN FULL THREAD

* MINUS VALUE DEPENDS ON METHOD OF THREADING AND THE 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

*** INACTIVE FOR NEW DESIGN

TABLE FOR FIG. 1 AND 2

UNLESS OTHERWISE SPECIFIED

ALLOWABLE TOLERANCE ON:-

LINEAR DIMENSIONS ±.01

ANGULAR DIMENSIONS ±2°

- 3 -

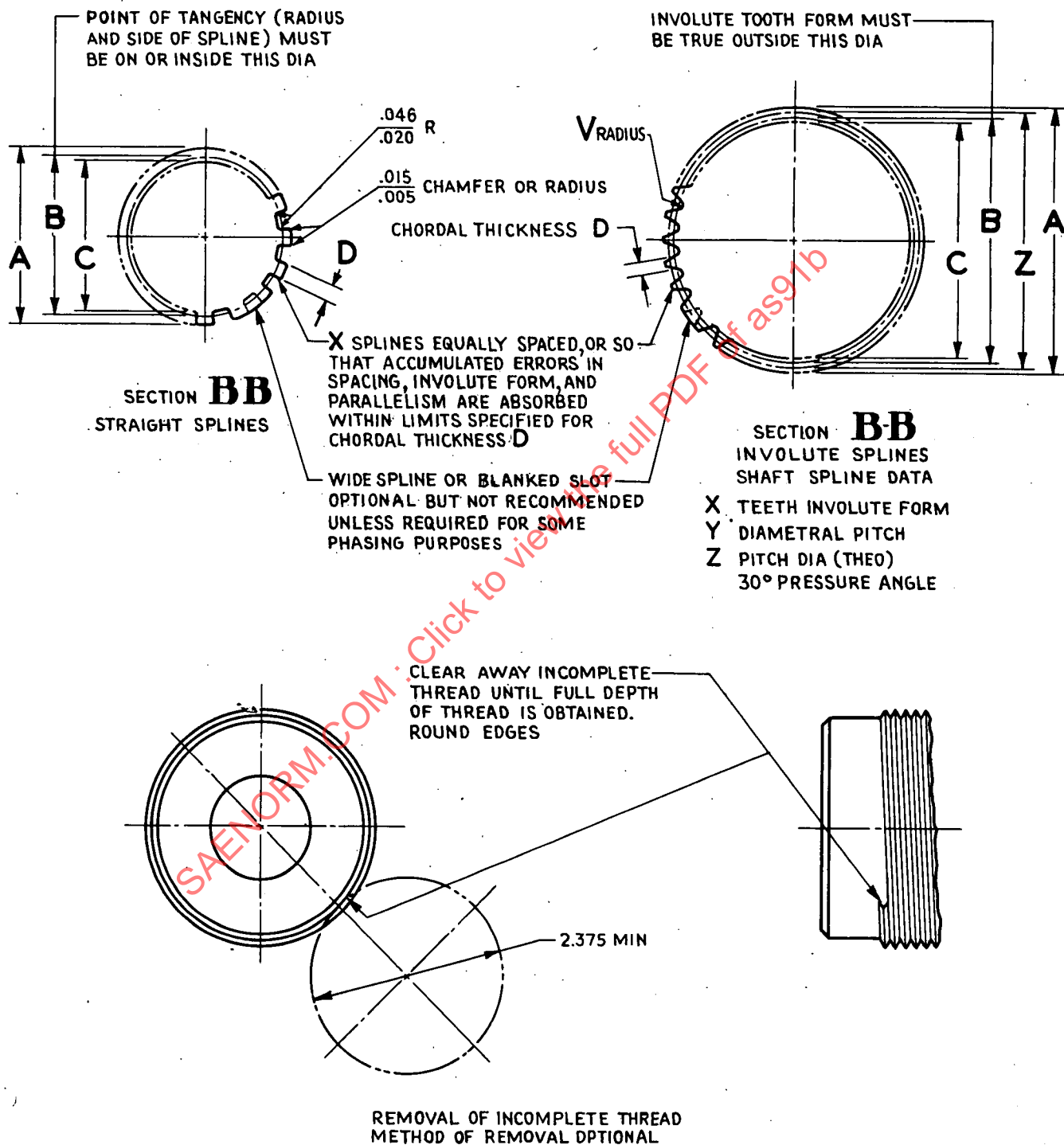


FIG. 2

UNLESS OTHERWISE SPECIFIED

ALLOWABLE TOLERANCE ON :-

LINEAR DIMENSIONS $\pm .01$

ANGULAR DIMENSIONS $\pm 2^\circ$