

REV. D

SAE AS127

FEDERAL SUPPLY CLASS

RATIONALE

AS127D HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

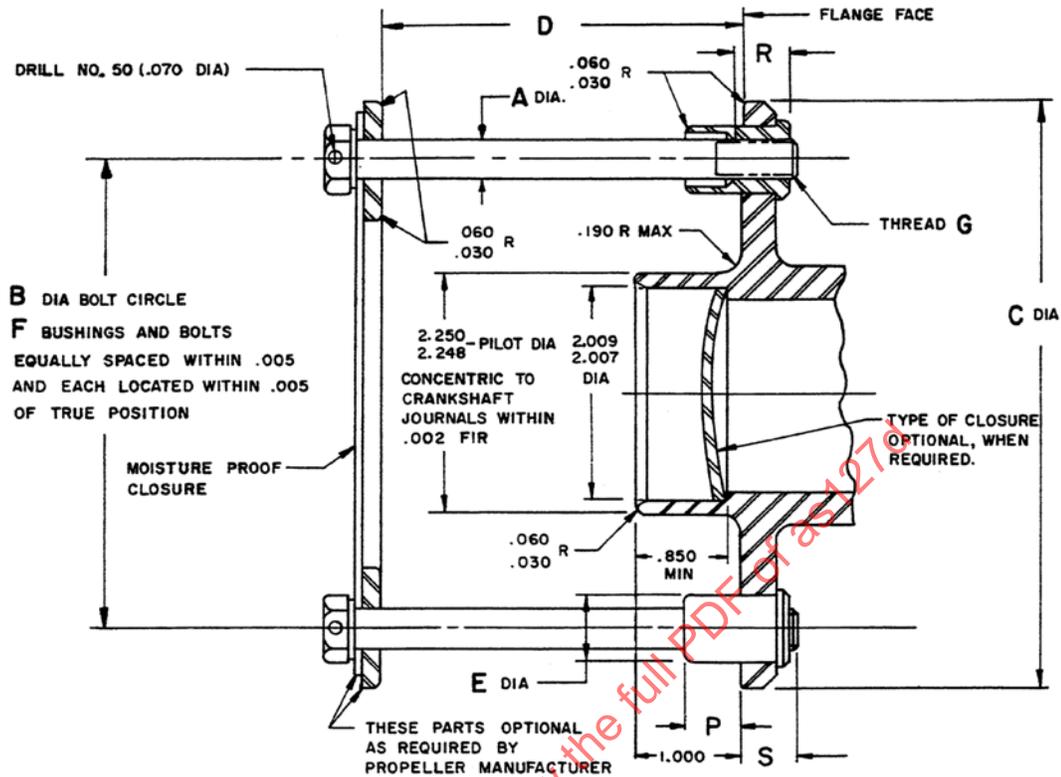


FIGURE 1

SAE NUMBER	A +.000 -.005	B BASIC	C	D (a)	E +.000 -.002	F NUMBER OF BOLTS	G	P (a) +.030	R MIN THD LENGTH	S MAX.
1	.375	4.375	5.500	3.380	.624	6	.375-24UNF-3A	.500	.500	.500
2	.375	4.750	6.000	3.500	.624	6	.375-24UNF-3A	.500	.500	.500
3	.375	5.250	6.500	4.000	.624	8	.375-24UNF-3A	.500	.500	.500
4	.4375	6.000	7.000	5.000	.687	8	.4375-20UNF-3A	.500	.500	.500
5	.4375	4.750	6.000	-	.624	6	.4375-20UNF-3A	.375	.680	.562
6	.500	4.750	6.000	-	.750	6	.500-20UNF-3A	.375	.810	.688

(a) VALUE OPTIONAL, AS REQUIRED BY PROPELLER MANUFACTURER.

FLANGE FACE MUST BE SQUARE WITH THE PROPELLER PILOT DIAMETER WITHIN .003 FIR.

RECOMMENDED FIT FOR THE THREADED BUSHINGS IN THE CRANK SHAFT FLANGE IS .0005 to .0020 DIAMETER TIGHT.

MATERIAL, FINISHES AND FITS SHOULD MEET THE REQUIREMENTS FOR RECOMMENDED PROPELLER SHAFT TORQUE RATINGS AS SHOWN ON ARP 373.

SEE FIGURES 2 and 3 FOR OTHER APPLICABLE DIMENSIONS.

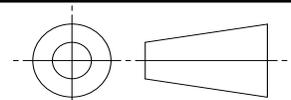
DIMENSIONS ARE IN INCHES.

UNLESS OTHERWISE SPECIFIED:
TOLERANCES; DECIMALS $\pm .010$, ANGLES $\pm 2^\circ$

REMOVE ALL BURRS AND BREAK SHARP EDGES .003 - .015.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS127D>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

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AEROSPACE STANDARD

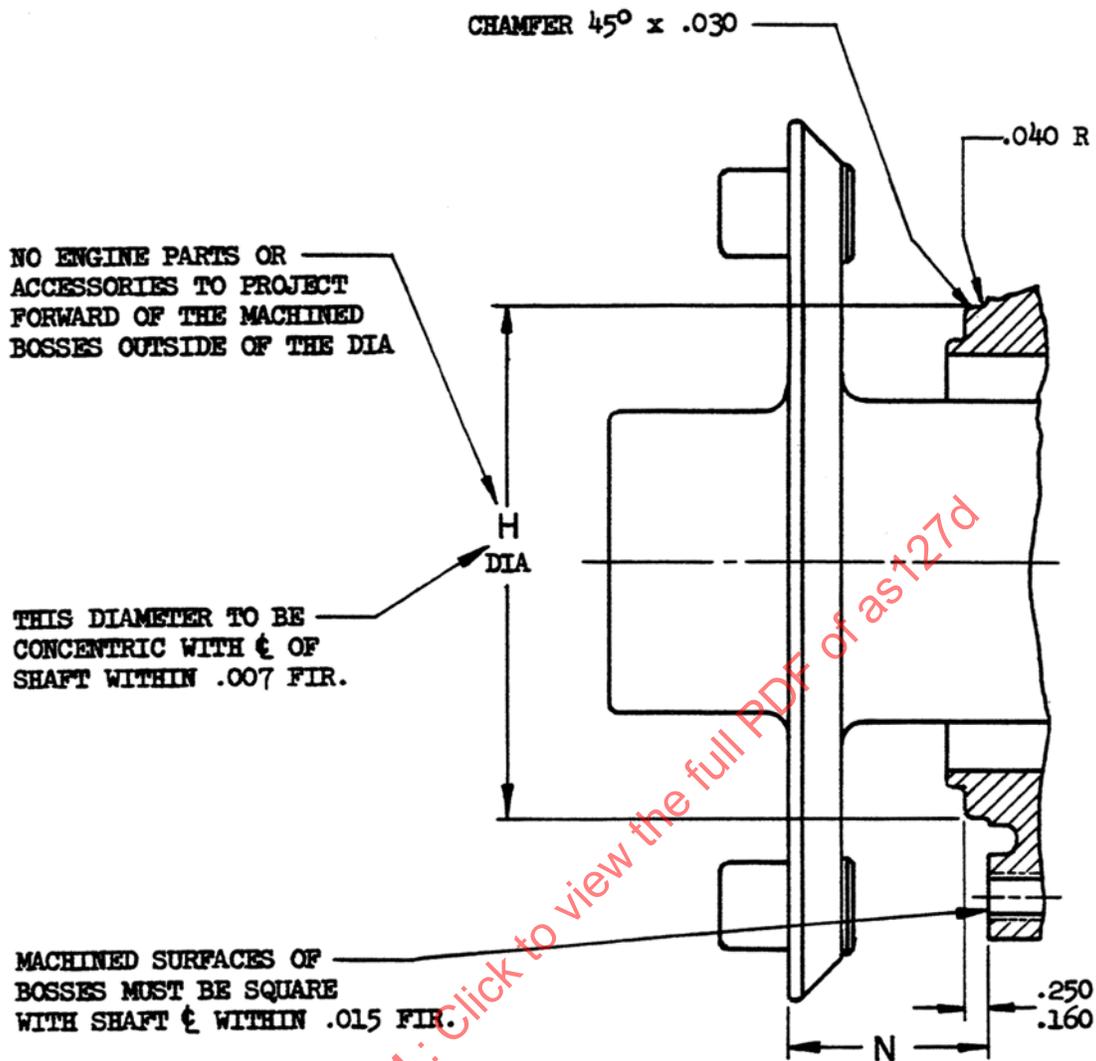
PROPELLER SHAFT END, FLANGED TYPE -
NO. 1, 2, 3, 4, 5, & 6

SAE AS127
SHEET 1 OF 3

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ISSUED 1943-07 REVISED 1963-01 REAFFIRMED 2012-11



LETTER	TOL	NO. 1	NO. 3	NO. 4
H	±.001	3.813	3.998	4.998
N	±.025	1.312	1.718	1.906

FIG. 2

SHAFT SEAL SPECIFICATIONS: ENGINE MFR TO PROVIDE SEAL BETWEEN SHAFT AND ENGINE NOSE TO PREVENT OBJECTIONABLE OIL LEAKAGE FROM WITHIN THE ENGINE

SEE FIG. 1 AND 3 FOR OTHER APPLICABLE DIMENSIONS

DIMENSIONS IN INCHES

UNLESS OTHERWISE SPECIFIED: TOLERANCES; DECIMALS ±.010, ANGLES ±2°