

PROPELLER SHAFT END, FLANGED TYPE - #1, 2, 3 & 4

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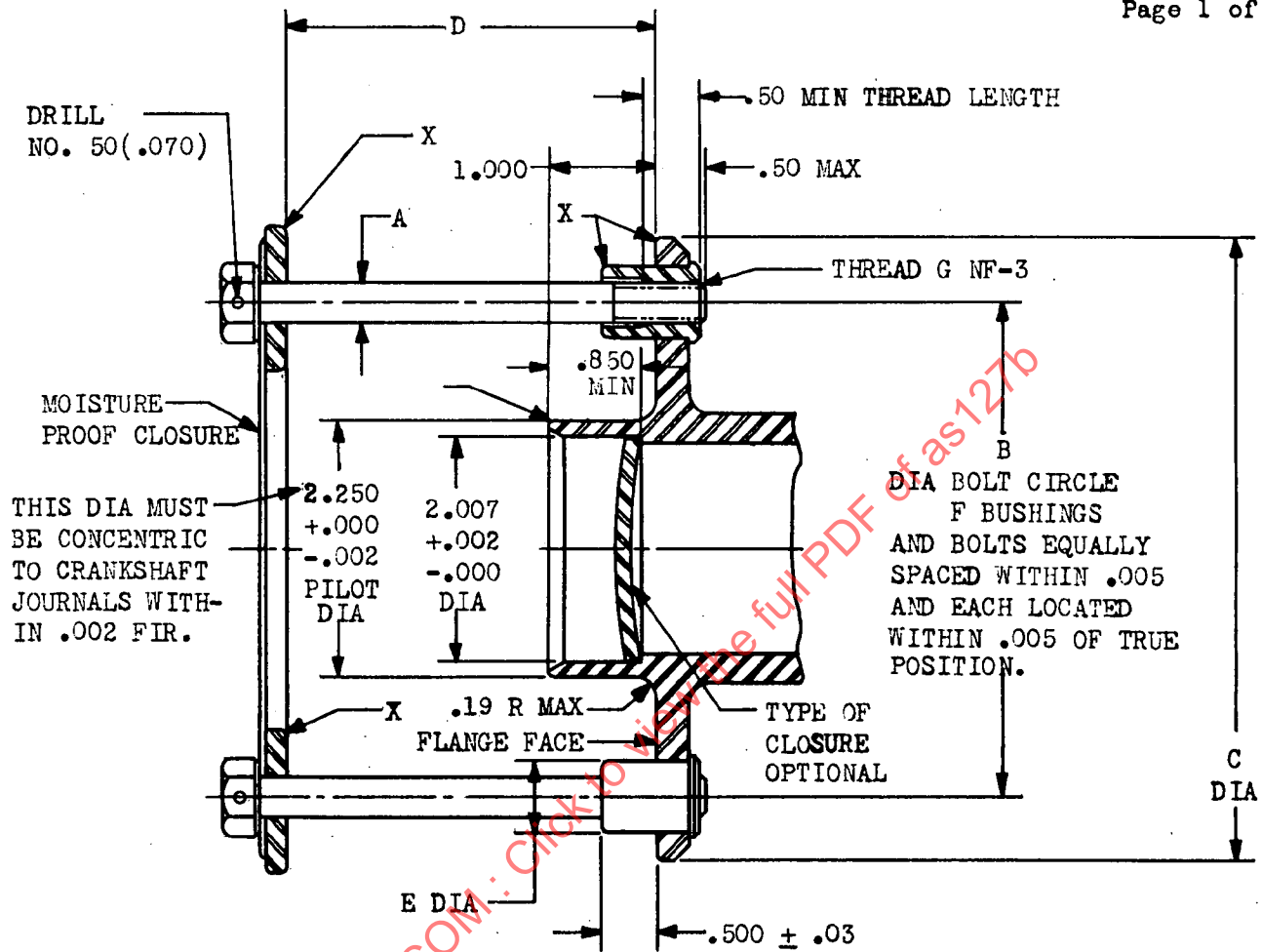


FIG 1

THE SQUARENESS OF THE FLANGE FACE WITH THE PROPELLER PILOT DIAMETER MUST BE HELD WITHIN .003 FIR.

ALL EDGES MARKED X ARE TO BE ROUNDED .03 TO .06. BREAK ALL OTHER SHARP EDGES .005 TO .015 AND REMOVE BURRS.

A SHRINK FIT OF .0005 - .0020 IS RECOMMENDED FOR THE THREADED BUSHINGS IN THE CRANKSHAFT FLANGE.

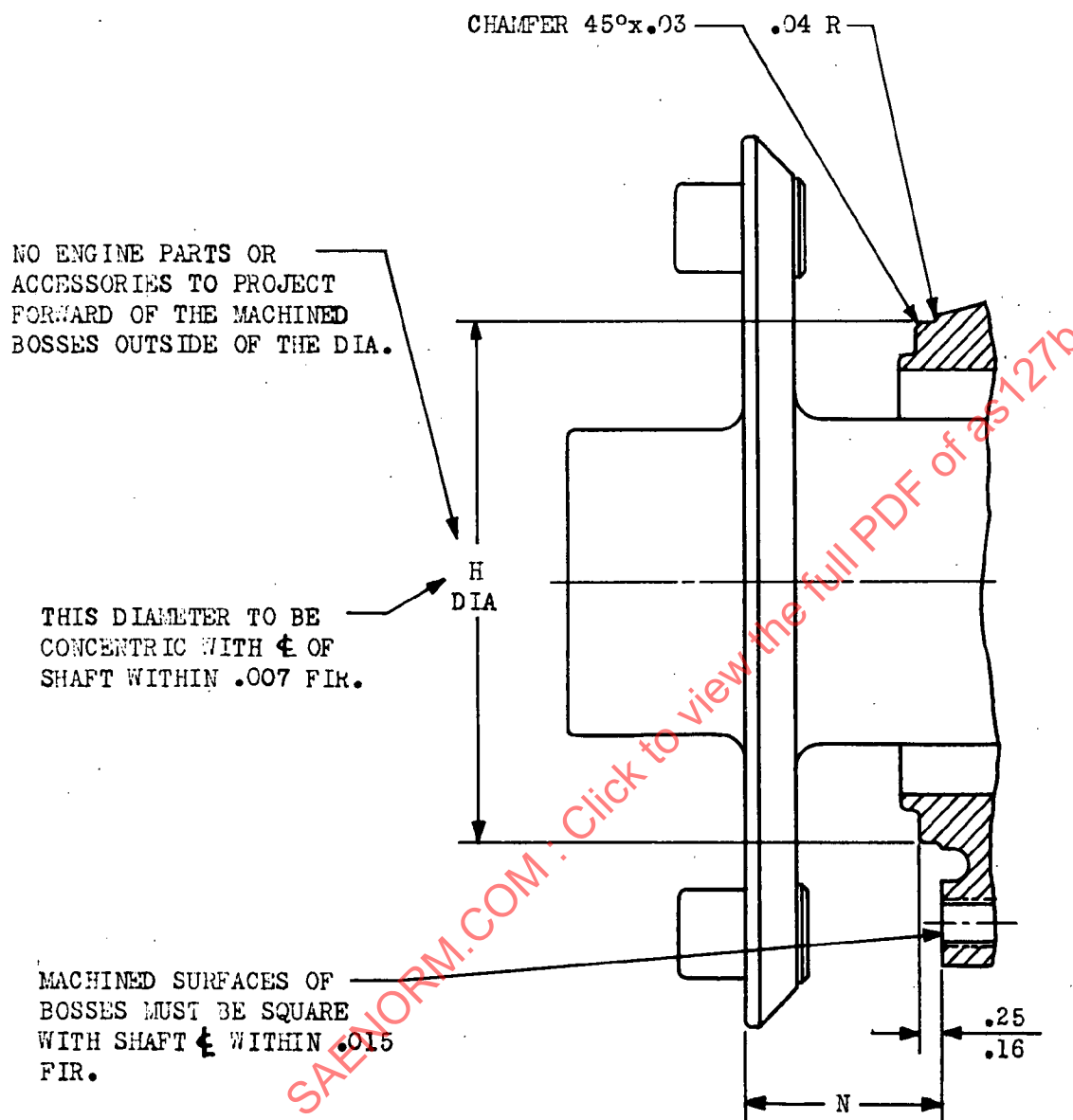
\*NUMBER 2 FLANGE INACTIVE FOR NEW DESIGN.

| SAE<br>NUMBER | DIMENSION           |            |      |      |                     | NO. OF BOLTS<br>F | BOLT THREAD<br>G |
|---------------|---------------------|------------|------|------|---------------------|-------------------|------------------|
|               | A<br>+.000<br>-.005 | B<br>BASIC | C    | D    | E<br>+.000<br>-.002 |                   |                  |
| 1             | .375                | 4.375      | 5.50 | 3.38 | .624                | 6                 | .375-24          |
| *2            | .375                | 4.75       | 6.00 | 3.50 | .624                | 6                 | .375-24          |
| 3             | .375                | 5.25       | 6.50 | 4.00 | .624                | 8                 | .375-24          |
| 4             | .438                | 6.00       | 7.00 | 5.00 | .688                | 8                 | .4375-20         |

SEE FIG 2 AND 3 FOR OTHER APPLICABLE DIMENSIONS.

PHYSICAL PROPERTIES, FINISHES AND FITS SHOULD MEET THE REQUIREMENTS FOR RECOMMENDED TORQUE RATINGS OF ARP 373.

UNLESS OTHERWISE SPECIFIED ALLOWABLE TOLERANCE ON:  
LINEAR DIMENSION  $\pm .01$ , ANGULAR DIMENSION  $\pm 2^\circ$



| LETTER | TOLER      | NO. 1 | NO. 3 | NO. 4 |
|--------|------------|-------|-------|-------|
| H      | $\pm .001$ | 3.813 | 3.998 | 4.998 |
| N      | $\pm .025$ | 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.

UNLESS OTHERWISE SPECIFIED ALLOWABLE TOLERANCE ON:  
LINEAR DIMENSION  $\pm .01$ , ANGULAR DIMENSION  $\pm 2^\circ$