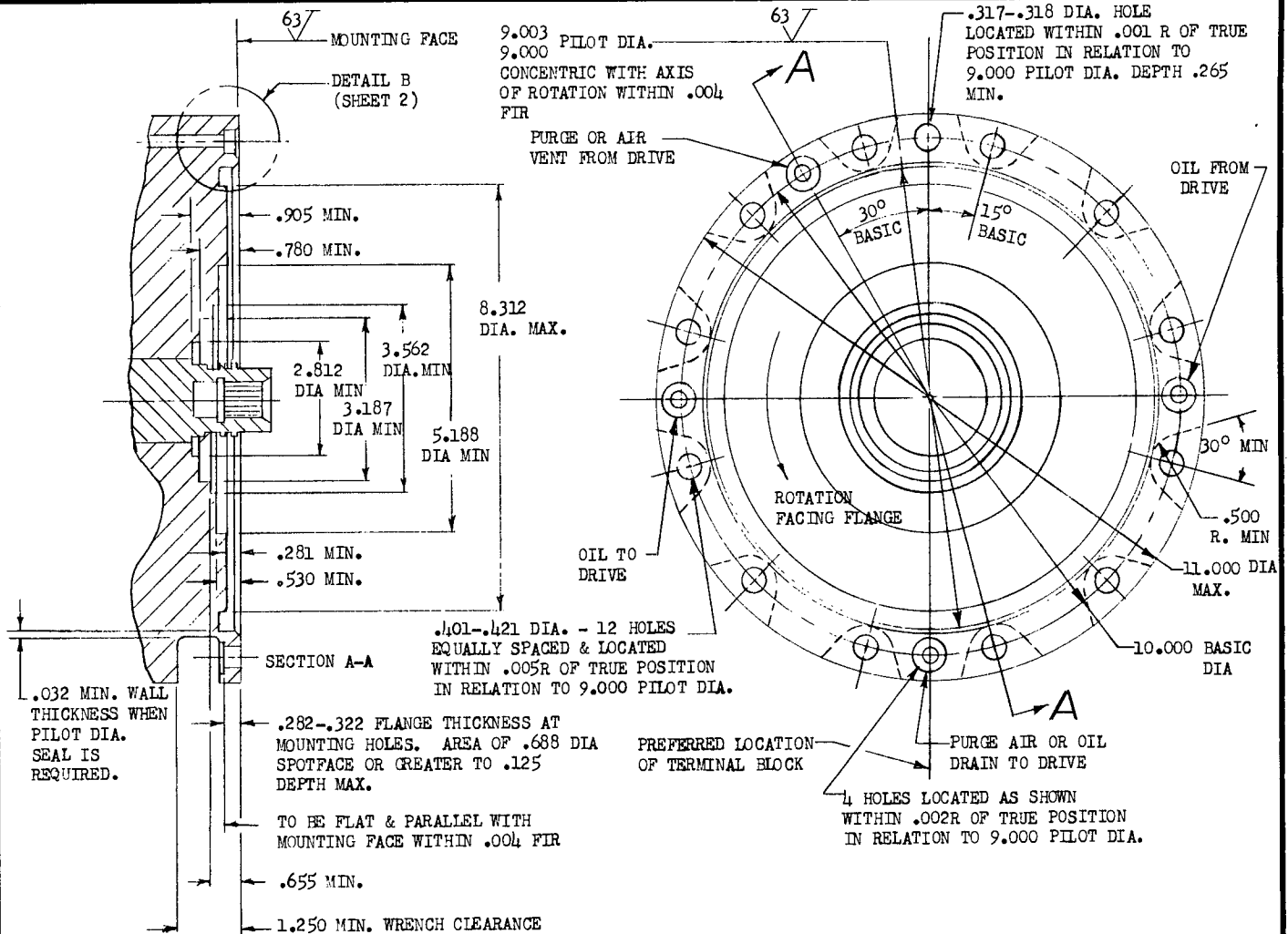


DRIVE - 3/4 * GENERATOR-10" BC-FEMALE PILOT

Issued 10/30/62
Revised



DASH NUMBER	OVERHUNG MOMENT Lb.-In. Max.	ACCESSORY WEIGHT Lb. Max.	FLANGE TYPE					OIL FLOW FROM DRIVE		
			6000 RPM CONSTANT			8000 RPM CONSTANT		Min.	F GPM	Max.
			HP	A6C 65 (40KVA)	B6C 190 (120KVA)	C6C 250 (160KVA)	A8C 95 (60KVA)	B8C 250 (160 KVA)		
1	760	115		X					4.5	7
2	560	110					X		6.5	9.5
3										
4										
5	1100	170			X				13	17
6	1500	240				X		X	16	21

WHERE AN X APPEARS THE FLANGE TYPE AND DASH NUMBER ARE TYPICAL AND PREFERRED.

SEE SHEET 2 FOR SPLINE AND PORTING DETAILS.

THE OVERHUNG MOMENT AND WEIGHT WILL BE DESIGNATED BY A DASH NUMBER IN THE FLANGE CALL-OUT PER ABOVE TABULATION.

EXAMPLE: AS 535-1 IS A 65 HP FLANGE WITH A 760 LB.-IN. MAX OVERHUNG MOMENT AND A 115 LB. MAX ACCESSORY WEIGHT.

THE NOMINAL USE OF THIS FLANGE IS FOR CONSTANT SPEED ACCESSORIES DRIVEN BY AS 534 DRIVES.

OIL FROM DRIVE: 1. TEMPERATURE 300°F.

2. FLOW: F GPM

3. INLET PRESSURE: 200 PSIG MAX.

4. PRESSURE LOSS 125 PSI MAX AT 300°F OIL IN TEMPERATURE

5. DISCHARGE PRESSURE: 25 PSIG MAX.

OIL SUPPLY HOLES MAY BE OMITTED WHEN SO SPECIFIED IN THE SYSTEM MODEL SPECIFICATION.

.317-.318 HOLE MAY BE OMITTED WHEN SO SPECIFIED IN THE SYSTEM MODEL SPECIFICATION.

HOLES FOR SUPPLYING AIR TO THE GENERATOR SHALL NOT BE PROVIDED UNLESS SPECIFIED IN THE SYSTEM MODEL SPECIFICATION.

THE REQUIRED AIR PRESSURE AND FLOW AND SIZE OF AIR SUPPLY AND DRAIN HOLES SHALL BE SHOWN ON THE GENERATOR INSTALLATION DRAWING.

PROVISIONS SHALL BE MADE FOR AN OIL SLINGER ON THE SHAFT IN AREA DESIGNATED ON SHEET 2.

REMOVE ALL BURRS AND SHARP EDGES. SURFACE ROUGHNESS SYMBOLS AS 291 (AA).

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

FOR EXHAUST SHROUD MOUNTING SURFACES ON AIR COOLED AC GENERATORS, SEE ARP 555.

THIS DRAWING AND THE APPLICABLE ACCESSORY SPECIFICATIONS, TOGETHER, COMPLETELY DEFINE THE DESIGN REQUIREMENTS.

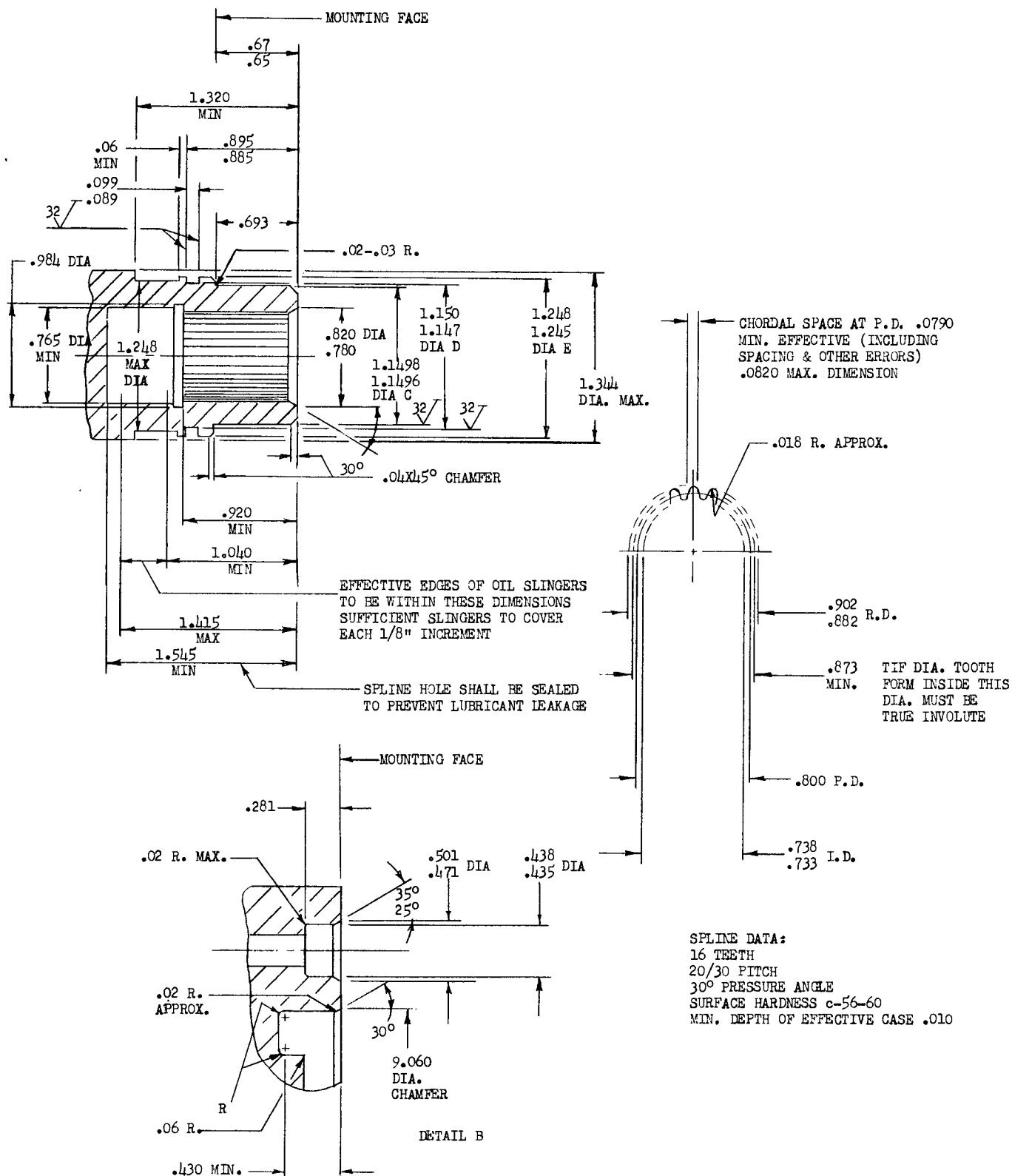
THIS IS A DESIGN STANDARD AND IS NOT TO BE USED AS A PART NUMBER.

*DRIVE END OF GENERATOR SHAFT IS SUPPORTED BY DRIVE SHAFT.



Documents

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DIA C MUST BE CONCENTRIC WITH SPLINE PD WITHIN .004 FIR.

DIA D MUST BE CONCENTRIC WITH DIA E WITHIN .002 FIR.

DIA E MUST BE CONCENTRIC WITH DIA C WITHIN .002 FIR.

"O" RING SIZE: CROSS SECTION, .067-.073; I.D. ACTUAL, 1.108-1.120; O.D. NOMINAL, 1.250.

*DRIVE END OF GENERATOR SHAFT IS SUPPORTED BY DRIVE SHAFT.

PREPARED BY SAE COMMITTEE AE-1, JOINT PROPULSION & EQUIPMENT INSTALLATIONS