

Society of Automotive Engineers, Inc.  
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New York City

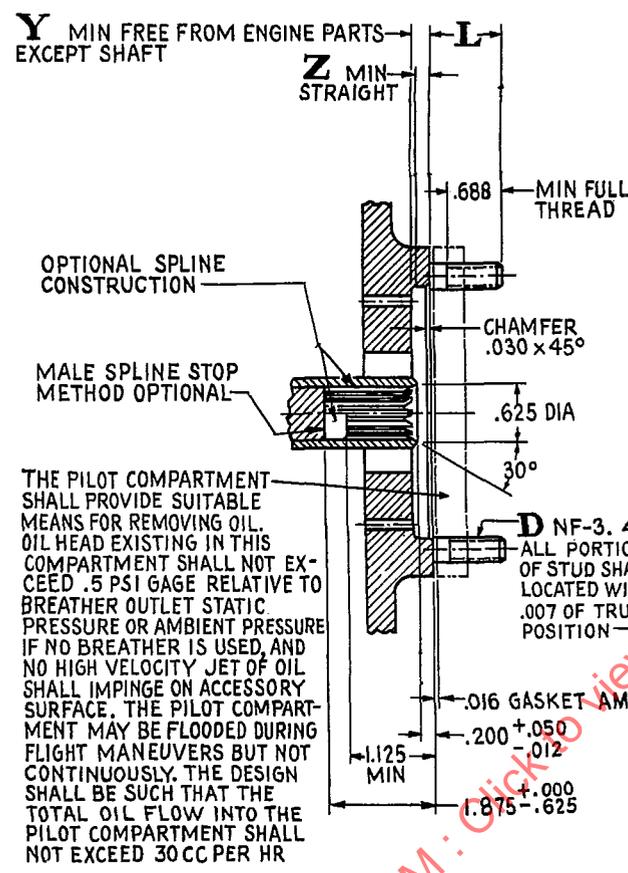
**AERONAUTICAL  
RECOMMENDED PRACTICE**

**ARP 365**

DRIVES - SQUARE FLANGE .600 PD SPLINE ACCESSORY

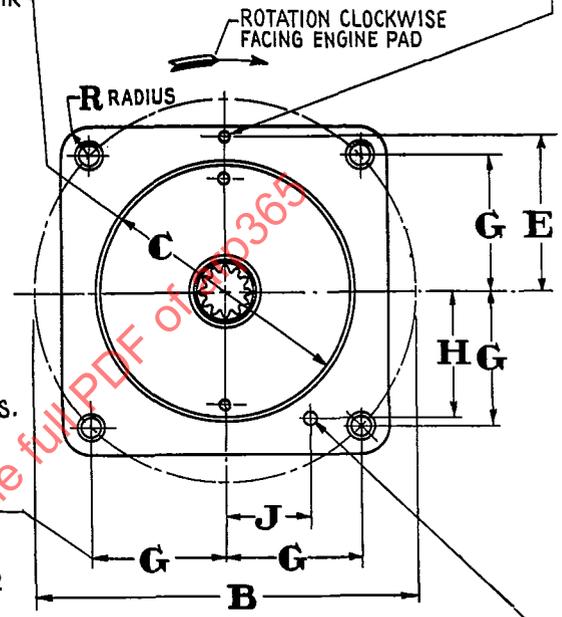
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ENGINE DRIVE

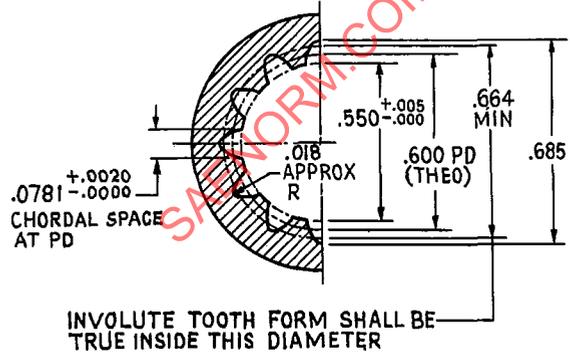


**C** DIA TO **Z** MIN DEPTH. PD OF SPLINE SHALL RUN CONCENTRICALLY WITH **C** DIA WITHIN .006 FIR., AND SQUARE WITH MOUNTNG FACE WITHIN .004 FIR.

ON-2 PAD, PROVIDE .203 DIA HOLE, DEPTH .218 MIN. RELATIONSHIP WITH OIL SUPPLY HOLE SHALL BE MAINTAINED AS SHOWN



.141 DIA OIL SUPPLY HOLE. OIL FLOW .25 GPH MIN BETWEEN 40-110% NRES AT 25 PSI MIN (5 PSI MIN WHEN MAIN OIL PRESSURE IS LESS THAN 25 PSI). WHEN FLOW IS REDUCED BY ACCESSORY TO .05 GPH THE PRESSURE SHALL NOT EXCEED 70 PSI



**SPLINE DATA**

12 TOOTH - 20/40 PITCH 30° PRESSURE ANGLE  
SURFACE HARDNESS ROCKWELL C58 MIN.  
MIN DEPTH OF EFFECTIVE CASE .010

**DRIVE DATA**

STRENGTH: TO BE CAPABLE OF DRIVING CONTINUOUS TORQUE (**T<sub>c</sub>**) LOAD AT ANY ENGINE SPEED. THE DRIVE SHALL WITHSTAND, WITHOUT FAILURE OR PERMANENT DEFORMATION, THE STATIC TORQUE (**T<sub>s</sub>**) REQUIRED TO SHEAR THE ACCESSORY SHEAR SECTION

**T<sub>o</sub>** OPERATION APPLIES FOR 3 SECONDS DURATION AT 3 MINUTE INTERVALS AND 15 SECONDS AT 1 HOUR INTERVALS UP TO AND INCLUDING 80% OF NRES ON RECIPROCATING AND 90% OF NRES ON TURBO ENGINES

MAX OVERHUNG MOMENT-**OM**

DASH NOS.	B REF	C +.002 -.000	D	E ±.005	G BASIC	H ±.005	J ±.005	L ±.020	R MIN	T <sub>c</sub> POUND	T <sub>o</sub> INCHES	T <sub>s</sub>	OM INCH POUNDS	Y MIN	Z MIN
1D	2.652	1.500	.250-28	—	.938	.844	.562	.875	.281	100	150	800	25	.125	.125
2D	5.000	3.252	.3125-24	1.875	1.768	1.656	1.109	.906	.344	250	375	1650	125	.250	.209

NOTE - PAD OUTLINE IS A MINIMUM AREA REQUIREMENT. PAD MAY BE ROTATED IN ANY DESIRED POSITION

SPEED: DRIVE SHAFT SPEED AT NORMAL RATED ENGINE SPEED SHALL BE 3250 TO 3750 RPM. MAXIMUM OVERSPEED SHALL NOT EXCEED 130 PERCENT OF MAX NORMAL RATED SPEED

UNLESS OTHERWISE SPECIFIED  
ALLOWABLE TOLERANCE ON:  
LINEAR DIMENSIONS ±.010  
ANGULAR DIMENSIONS ± 2°

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