FEDERAL SUPPLY CLASS

NONCURRENT NOTICE

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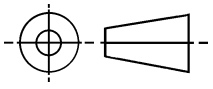
ISSUED 1957-11 REVISED 1963-02 NONCURRENT 1971-08 REAFFIRMED NONCURRENT 2001-01

THIRD ANGLE PROJECTION



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AEROSPACE STANDARD

DRIVE-ACCESSORY, 5” BOLT CIRCLE

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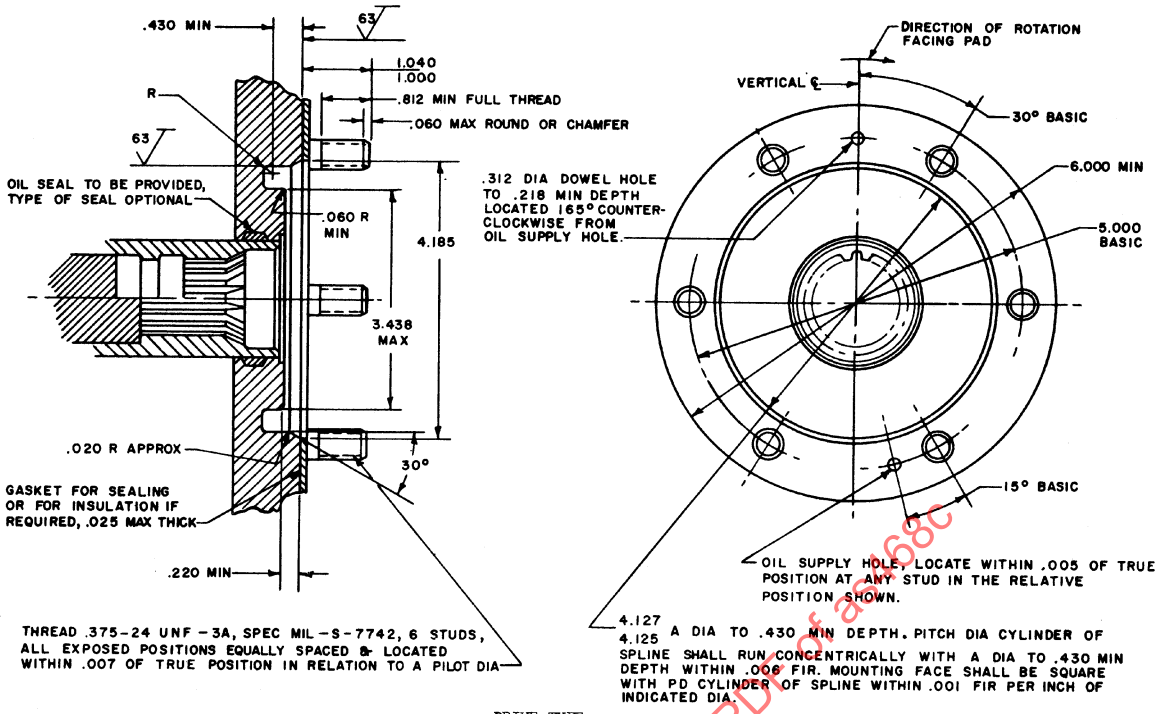

DRIVE TYPE

DASH NO.	OVERHUNG MOMENT LB-IN. MAX	ACCES-SORY WT MAX LB	HP MAX	VARIABLE SPEED							6000 RPM CONSTANT			8000 RPM CONSTANT	
				AV	BV	CV	DV	EV	FV	GV	HV	A6C	B6C	C6C	A8C	B8C
				30	85	125	190	250	335	30	85	65	190	250	95	250
1	500	75										X				
2	1000	100		X	X					X					X	

WHERE AN X APPEARS, THE DRIVE TYPE AND DASH NO. ARE TYPICAL AND PREFERRED.
SEE SHEET 2 FOR SPLINE SIZES AND DETAILS.
THE OVERHUNG MOMENT AND WEIGHT WILL BE DESIGNATED BY A DASH NUMBER IN THE DRIVE CALLOUT PER ABOVE TABULATION. EXAMPLE AS468-AV-2 IS 30 HP DRIVE WITH 1000 LB-IN. OVERHUNG MOMENT AND 100 LB ACCESSORY WEIGHT.
SPEED: TYPE AV THROUGH FV DRIVES SHALL BE 7700 ± 200 RPM, TYPES GV AND HV 9800 ± 200 RPM WHEN POWER SOURCE IS OPERATING AT THE HIGHEST STABILIZED SPEED AT ANY OPERATING CONDITION.
TYPE 6C DRIVES SHALL BE 6000 (CONSTANT) RPM FROM GROUND IDLE TO MAX POWER SOURCE SPEED.
TYPE 8C DRIVES SHALL BE 8000 (CONSTANT) RPM FROM GROUND IDLE TO MAX POWER SOURCE SPEED.
STRENGTH: TYPE V DRIVES SHALL BE CAPABLE OF DELIVERING RATED POWER CONTINUOUSLY FROM GROUND IDLE TO MAXIMUM POWER SOURCE SPEED. THEY SHALL ALSO WITHSTAND A STATIC TORQUE EQUIVALENT TO FIVE (5) TIMES RATED POWER AT GROUND IDLE SPEED WITHOUT FAILURE OR PERMANENT DEFORMATION. THIS STATIC TORQUE VALUE SHALL BE SPECIFIED IN THE POWER SOURCE MODEL SPECIFICATION. THE CONTINUOUS AND STATIC TORSIONAL STRENGTH OF THE TYPE C DRIVES SHALL BE SPECIFIED IN THE POWER SOURCE OR CONSTANT SPEED TRANSMISSION (DRIVE) MODEL SPECIFICATION.
OIL SUPPLY HOLES: DOWEL HOLE AND HOLES FOR SUPPLYING OIL TO ACCESSORY SHALL NOT BE PROVIDED UNLESS SPECIFIED IN THE POWER SOURCE MODEL SPECIFICATION. WHEN SO SPECIFIED, THE AVAILABLE OIL PRESSURE AND FLOW SHALL BE STATED IN THE MODEL SPECIFICATION WITH ONE HOLE LOCATION SHOWN ABOVE. SIZE OF OIL SUPPLY, AND DRAIN HOLES IF REQUIRED, SHALL BE SHOWN ON THE POWER SOURCE INSTALLATION DRAWING. PLUGS SHALL BE FURNISHED FLUSH OR BELOW PAD SURFACE.
OIL LEAKAGE OUT OF DRIVE SHALL NOT EXCEED 3CC PER HOUR. PROVISIONS FOR DRAINING OIL FROM THE PILOT CAVITY SHALL BE SUPPLIED UNLESS OTHERWISE SPECIFIED IN THE POWER SOURCE MODEL SPECIFICATION.
COVER, AN100041 SHALL BE FURNISHED ON THIS DRIVE WHEN SPECIFIED IN POWER SOURCE MODEL SPECIFICATION.
REMOVE ALL BURRS AND SHARP EDGES. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± .010, ANGLES ± 2°.
ACCESSORY SPACE: SPACE AVAILABLE FOR ACCESSORIES SHALL BE AS SHOWN ON THE INSTALLATION DRAWING.
NOMINAL USE: THE NOMINAL USE OF THE VARIABLE SPEED TYPE DRIVES IS TO DELIVER POWER TO VARIABLE SPEED ACCESSORIES OR CONSTANT SPEED TRANSMISSIONS. THE NOMINAL USE OF THE CONSTANT SPEED TYPE DRIVES IS TO DELIVER POWER TO CONSTANT SPEED ACCESSORIES HIGH SPEED FLUID POWER PUMPS MAY BE USED ON TYPE AV THROUGH FV DRIVES WITH TORQUE VALUES SPECIFIED IN THE POWER SOURCE MODEL SPECIFICATION. THIS DRAWING COMPLETELY DEFINES THE DESIGN REQUIREMENTS.
SURFACE ROUGHNESS SYMBOL √, AS 291 (AA). FOR DETAILS OF MATING FLANGE, SEE AS 471.
THIS IS A DESIGN STANDARD AND IS NOT TO BE USED AS A PART NUMBER.