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AS5229™

FEDERAL SUPPLY CLASS
4730

RATIONALE

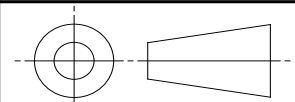
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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

PORT, INTERNAL STRAIGHT THREAD,
AIR CONNECTION, DESIGN STANDARD

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Documents

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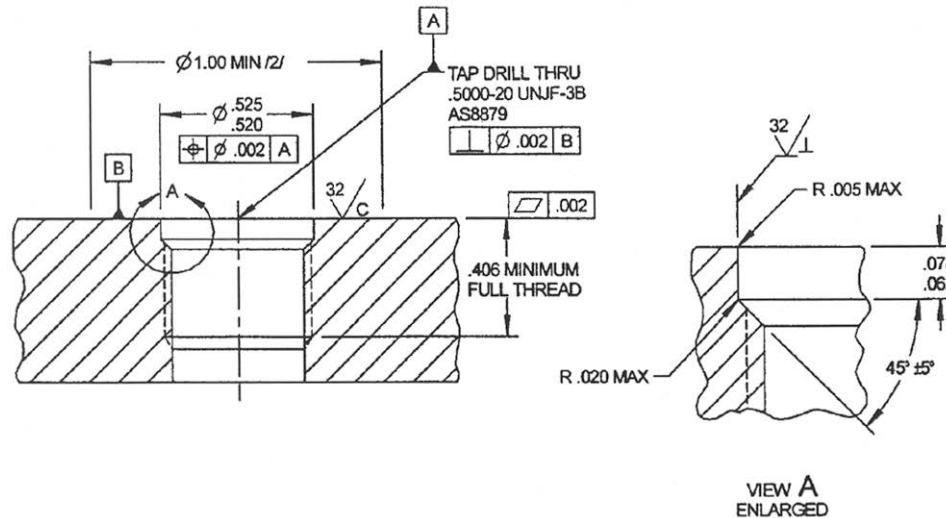


FIGURE 1 - PORT, INTERNAL STRAIGHT THREAD

NOTES:

1. THIS PORT IS DESIGNED FOR USE WITH VALVES PER MIL-PRF-6164. THIS STANDARD IS THE FUNCTIONAL EQUIVALENT OF MS33651 AND IS INTENDED TO BE A SUITABLE REPLACEMENT STANDARD.
- 2/ MINIMUM DIAMETER FLAT SURFACE CLEARANCE PROVISIONS FOR FITTING, WRENCH, FITTING INSTALLATIONS, AND TOOL FILLET RADII MUST BE ADDED AS REQUIRED. THE PERPENDICULARITY OF THE THREADS AND SURFACE FLATNESS APPLIES ONLY TO THE 1.00 INCH DIAMETER MINIMUM ON DATUM B SURFACE. 1.00 INCH DIAMETER MAY BE REDUCED BY .040 WHEN IT DEFINES THE LIMITS OF A RAISED SURFACE AND WHEN STRENGTH REQUIREMENTS PERMIT.
3. INTERPRETATION OF DRAWING PER ARP4296.
4. SURFACE TEXTURE. SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 MICROINCHES Ra.
5. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
6. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
7. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .005$ ANGULAR DIMENSIONS $\pm 0^{\circ}30'$.
8. EXAMPLE OF DRAWING CALLOUT: PORT PER AS5229.

	AEROSPACE STANDARD		AS5229™	REV.
	PORT, INTERNAL STRAIGHT THREAD, AIR CONNECTION, DESIGN STANDARD		SHEET 1 OF 1	Documents

