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REV.
A

AS4201

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS4201A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

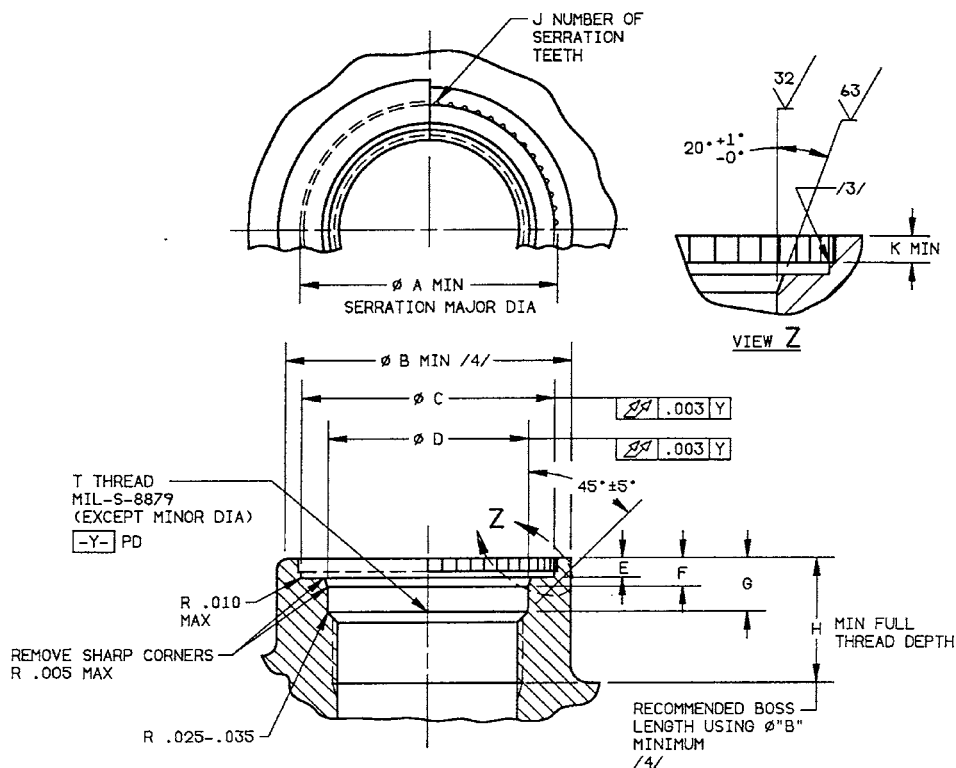
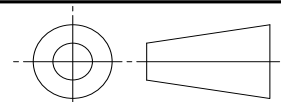


FIGURE 1 - PORT, RING LOCKED
TABLE 1 - DIMENSIONS

BASIC NO. AS4201 /12/ SIZE CODE	NOMINAL TUBE SIZE	T THREAD MIL-S-8879 CLASS-3B	T THREAD CONTROLLED MINOR DIA	A	B /3/	C	D
02	.125	.2160-28UNJF	.1827-.1857	.408	.650	.381- .384	.254-.256
03	.188	.2500-28UNJF	.2167-.2197	.478	.800	.448- .451	.286-.288
04	.250	.3125-24UNJF	.2734-.2764	.524	.880	.495- .498	.339-.341
05	.312	.3750-24UNJF	.3359-.3389	.635	1.030	.601- .604	.401-.403
06	.375	.4375-20UNJF	.3903-.3933	.710	1.100	.675- .678	.464-.466
07	.438	.5000-20UNJF	.4528-.4558	.778	1.250	.747- .750	.523-.525
08	.500	.5625-18UNJF	.5099-.5129	.826	1.350	.784- .787	.582-.584
09	.562	.6250-24UNJEF	.5859-.5889	.902	1.400	.860- .863	.660-.662
10	.625	.6875-24UNJEF	.6484-.6514	1.052	1.520	1.015-1.018	.725-.727
11	.688	.7500-20UNJEF	.7028-.7058	1.116	1.680	1.073-1.076	.773-.775

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4201A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /1/



AEROSPACE STANDARD

PORT - RING LOCKED FLUID CONNECTION TYPE,
8000 PSI
DESIGN STANDARD

AS4201
SHEET 1 OF 2

REV.
A

Documents

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TABLE 2 - DIMENSIONS

BASIC NO. AS4201 /12/ SIZE CODE	E	F	G	H	J	K	TOOLING /5/ PORTING TOOL NO. REF	TOOLING /5/ BASIC BROACH TOOL NO. REF
02	.088-.098	.153-.158	.296-.301	.514	24	.061	RPT02	RFOPB5002
03	.088-.098	.153-.158	.296-.301	.525	26	.061	RPT03	RFOPB5003
04	.088-.098	.153-.158	.296-.301	.553	30	.061	RPT04	RFOPB5004
05	.088-.098	.153-.158	.296-.301	.579	36	.061	RPT05	RFOPB5005
06	.103-.113	.168-.173	.311-.316	.624	36	.073	RPT06	RFOPB5006
07	.103-.113	.168-.173	.311-.316	.648	40	.073	RPT07	RFOPB5007
08	.103-.113	.168-.173	.311-.316	.675	40	.073	RPT08	RFOPB5008
09	.103-.113	.168-.173	.311-.316	.703	40	.073	RPT09	RFOPB5009
10	.103-.113	.168-.173	.311-.316	.728	38	.073	RPT10	RFOPB5010
11	.103-.113	.168-.173	.311-.316	.751	43	.073	RPT11	RFOPB5011

NOTES:

- /1/ THIS PORT IS DESIGNED FOR USE WITH FITTINGS PER MIL-F-85720.
2. THE DRILL AND PORTING TOOL METHOD OF PREPARING THE MACHINED CAVITY IS MANDATORY. DRILL .015 TO .030 SMALLER THAN CONTROLLED MINOR DIA SPECIFIED. THE PORTING TOOL WILL SIZE THE MINOR DIA AND PROVIDE BALANCE OF CAVITY CONFIGURATION READY FOR BROACHING SERRATION.
- /3/ AFTER SERRATIONS ARE BROACHED, CHIP REMOVAL IS REQUIRED.
- /4/ THE MINIMUM BOSS Ø"B" AND BOSS DEPTH "H" SHOWN ARE SATISFACTORY FOR USE IN MATERIALS THAT EXHIBIT A MINIMUM SHEAR STRENGTH OF 20 ksi.
- /5/ USE OF PORTING TOOL AND BROACH TOOL SPECIFIED IS MANDATORY TO PROVIDE REQUIRED PORT CONFIGURATION. THIS TOOLING IS AVAILABLE FROM FAIRCHILD/ROSAN, SANTA ANA, CA - CAGE CODE 83324.
6. INTERPRETATION OF DRAWING PER ARP4296.
7. INVENTORIED PARTS WITH PORTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" OF THIS STANDARD MAY BE USED TO DEPLETION.
8. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M, REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 µin Ra.
9. BREAK EDGES .005 MAX UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
11. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: ANGULAR DIMENSIONS ±0°30'.

/12/ EXAMPLE OF DRAWING CALLOUT:

- a. TABULATED PART DRAWING: PORT PER AS4201
- b. INDIVIDUAL PART DRAWING: AS4201 - 08

BASIC PART NUMBER

 SIZE CODE, NOMINAL TUBE
 SIZE IN .062 INCREMENTS


AEROSPACE STANDARD

 PORT - RING LOCKED FLUID CONNECTION TYPE,
 8000 PSI
 DESIGN STANDARD

AS4201

SHEET 2 OF 2

REV.

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Documents

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