FEDERAL SUPPLY CLASS
5310

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

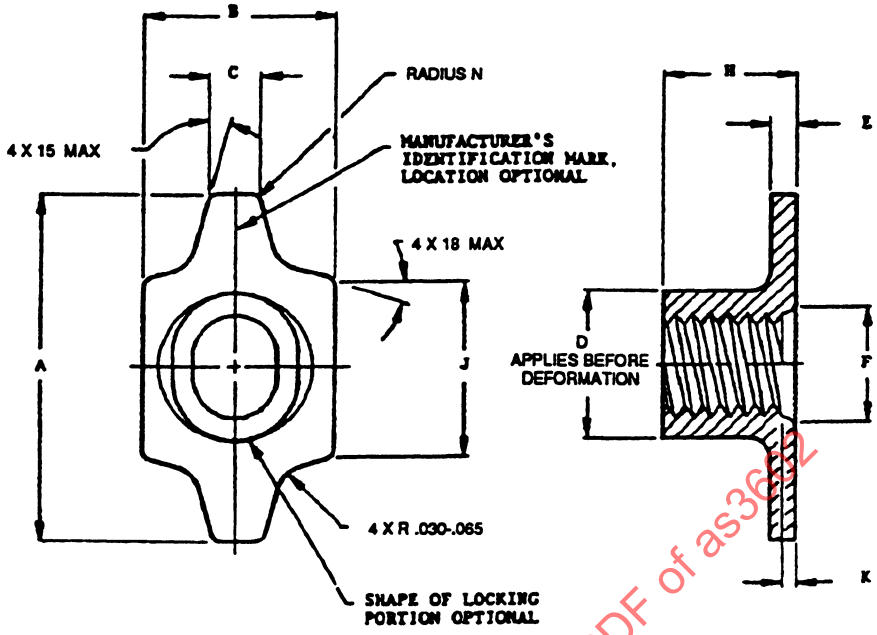


FIGURE 1

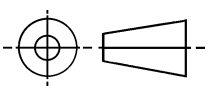
TABLE 1 - DIMENSIONS

BASIC NO. AS3602 SIZE CODE	T THREAD PER MIL-S-8879 CLASS B	A	B MAX	C	ØD REF	E	ØF MIN	H MAX	J	K MIN	N MAX	AXIAL STRENGTH LB/MIN
01	.1900-32UNJF-3B	.515-.535	.350	.100-.120	.250	.032-.042	.194	.182	.285-.305	.018	.040	2460
02	.2500-28UNJF-3B	.610-.630	.435	.115-.135	.325	.040-.050	.254	.240	.357-.377	.020	.040	4580

NOTES:

1. MATERIAL: CORROSION AND HEAT RESISTANT ALLOY, AMS 5525 (UNS S66286). HEAT TREAT PER NOTE 2.
2. HEAT TREATMENT: 1325 °F ± 15 °F FOR 16 h. AIR COOL.
3. FINISH: SILVER PLATE PER AMS 2410 OR AMS 2411 ON THREADS ONLY. NUTS SHALL SHOW COMPLETE COVERAGE ON THE THREAD AND PLATING THICKNESS NOT LESS THAN 0.0002 in WHEN MEASURED AT THE THREAD PITCH DIAMETER.
4. PERFORMANCE PER AS7251 EXCEPT CONDITIONING TEMPERATURE SHALL BE LIMITED TO 450 °F ± 15 °F.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 µin Ra.
6. THE NUT ELEMENT SHALL BE CAPABLE OF BEING SNAPPED INTO AND REMOVED FROM AS3601 NUT ASSEMBLY WITH THE PROPER TOOLING.
7. REMOVE BURRS AND SHARP EDGES.

THIRD ANGLE PROJECTION



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ISSUED 1997-12 REAFFIRMED 2006-05

PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

NUT ELEMENT, ATTACHED RETENTION ELEMENT, 450 °F, 125 KSI FTU, UNS S66286

AS3602
SHEET 1 OF 2

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