

REV.
G

AS3479™

RATIONALE

RESTRUCTURE NOTES 1, 2, AND 3 FOR CLARITY AND ADD EXCEPTION FOR RECRYSTALLIZED MICROSTRUCTURE, FIGURE 1 REDRAWN, GENERAL EDITORIAL AND FORMAT CHANGES.

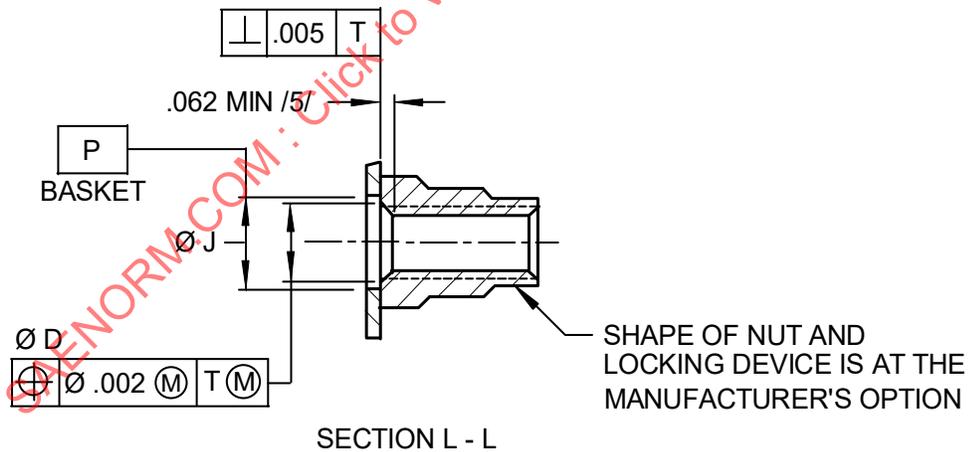
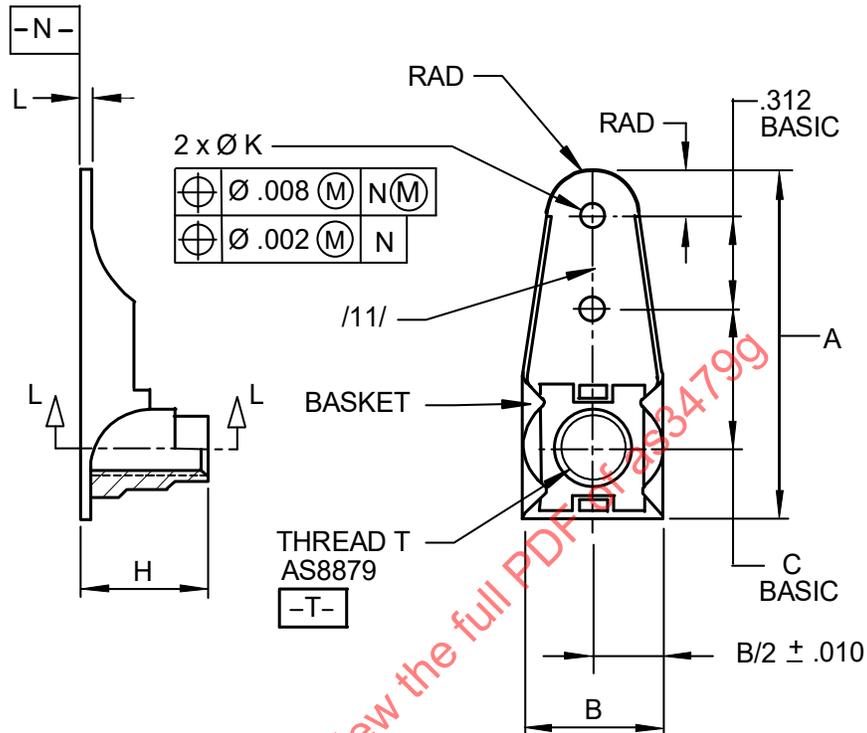
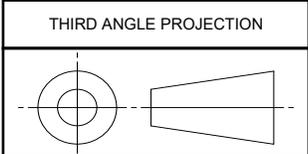


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3479G/>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS4393 /2/



AEROSPACE STANDARD

(R) NUT, SELF-LOCKING, PLATE, ONE LUG,
FLOATING, LOW HEIGHT, UNS S66286,
CLASS: 125 KSI/800 °F

AS3479™
SHEET 1 OF 3

REV.
G

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

ISSUED 1991-02 REAFFIRMED 2012-11 REVISED 2020-07

TABLE 1

PART NUMBER	T THREAD	A MAX	B	C BASIC	ØD MIN	E MIN	H /3/ MAX	ØK +.005 - .000	ØJ	L MAX	AXIAL STRENGTH LBF/MIN REF	APPROX MASS LB/100
AS3479-01	.1380-32UNJC-3B	1.051	.290-.422	.344	—	.100	.203	.098	.198-.270	.032	1130	.53
AS3479-02	.1640-32UNJC-3B	1.051	.290-.422	.344	.168	.100	.250	.098	.224-.270	.032	1720	.54
AS3479-03	.1900-32UNJF-3B	1.051	.290-.422	.344	.194	.100	.250	.098	.250-.270	.032	2460	.56
AS3479-04	.2500-28UNJF-3B	1.306	.350-.531	.500	.254	.100	.281	.098	.310-.330	.045	4580	1.00
AS3479-05	.3125-24UNJF-3B	1.396	.412-.641	.500	.317	.125	.328	.130	.372-.392	.045	7390	1.44

NOTES:

1. MATERIAL:
 - a. NUT: CORROSION AND HEAT RESISTANT STEEL AMS5525, AMS5731, OR AMS5734 (COMPOSITION SIMILAR TO UNS S66286).
 - b. BASKET: CORROSION AND HEAT RESISTANT STEEL AMS5525.
- /2/ PROCUREMENT SPECIFICATION: AS4393, EXCEPT AS FOLLOWS:
 - a. HEAT TREATMENT: AFTER FORMING, PLATE NUTS SHALL BE PRECIPITATION HEATED TO A HARDNESS NOT TO EXCEED 45 HRC MAXIMUM.
 - b. NUT: PASSIVATE PER AMS2700 METHOD 1, TYPE 2, OR TYPE 8 FOLLOWED BY SILVER PLATE PER AMS2411: SILVER PLATE ONLY ON THREADS, EXCEPT: COVERAGE OF THE THREAD CHAMFERS AND COUNTERBORE IS OPTIONAL AND MINIMUM THICKNESS IS NOT A REQUIREMENT. NO SILVER SHALL ENCROACH ON THE SEATING SURFACES.
 - c. BASKET: PASSIVATE PER AMS2700 METHOD 1, TYPE 2, OR TYPE 8.
 - d. BAKE AT 800 °F ± 15 °F IN LIEU OF 1200 °F ± 15 °F FOR NUTS TESTED AFTER BAKE.
 - e. COMPLETELY RECRYSTALLIZED STRUCTURE IS NOT REQUIRED.
- /3/ SIZE -01 MAY BE COUNTERSUNK OR RADIUSSED WITHIN H. SIZE -02 AND LARGER SHALL BE COUNTERBORED TO ØD TO .062 MINIMUM DEPTH.
4. RADIAL FLOAT OF NUT THREADS RELATIVE TO BASKET ØJ, .030 MINIMUM.
5. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
6. BASKET - REMOVE BURRS AND SHARP EDGES; NUT - BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
8. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
9. DIMENSIONS ARE IN INCHES.
10. DO NOT USE UNASSIGNED PART NUMBERS.
11. MARK WITH MANUFACTURER'S TRADEMARK PER AS478 CLASS D, LOCATION OPTIONAL BUT MUST BE VISIBLE ON FINISHED PART.

	AEROSPACE STANDARD	AS3479™ SHEET 2 OF 3	REV. G
	(R) NUT, SELF-LOCKING, PLATE, ONE LUG, FLOATING, LOW HEIGHT, UNS S66286, CLASS: 125 KSI/800 °F		