

RATIONALE

PROCUREMENT SPECIFICATION NOTE ADDED TO SHEET 1 TEMPLATE. GRAPHICS REDRAWN FOR CLARITY. "TOL" ADDED TO TRUE POSITION BOXES WITHIN GRAPHICS. TABLE 1 REFORMATTED AND IS NOW TABLES 1A, 1B, AND 1C. MAXIMUM PRESSURE REMOVED FROM HEAT TREATMENT NOTE TO ALIGN WITH INFORMATION ON PROCUREMENT SPECIFICATION. QML NOTE ADDED. EXAMPLE OF PART NUMBER NOTE REDRAWN FOR CLARITY. REVISION INDICATOR NOTE AND DISPOSITION ON EXISTING INVENTORY NOTE ADDED. GENERAL UPDATES INCORPORATED.

REV.
A

AS4108™/1

SAE Executive Standards Committee 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.

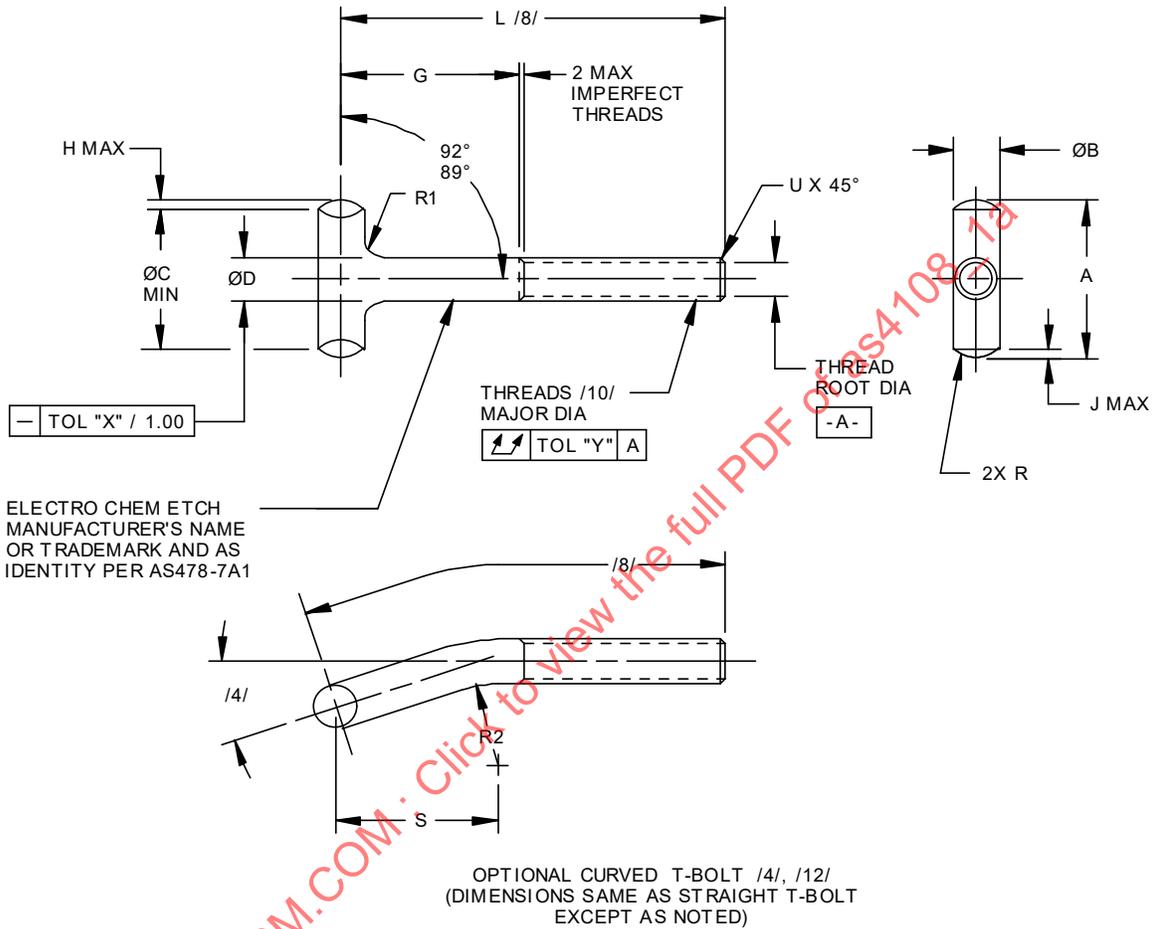
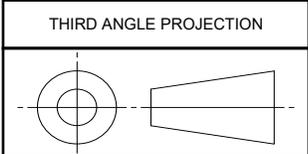


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4108/1A/>



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: AS4108 /11/



AEROSPACE STANDARD

(R) T-BOLT, A-286,
1000 °F

AS4108™/1
SHEET 1 OF 3

REV.
A

ISSUED 1991-07 REAFFIRMED 2015-04 REVISED 2021-09

TABLE 1A - DIMENSIONS A-J

BASIC NUMBER AS4108/1 SIZE CODE /9/ /12/	THREAD SIZE PER AS8879 CLASS 3A /10/	A		B	C	D	G	H	J
		MIN	MAX	MIN	MAX	GRIP	MAX	MAX	
3	.1900-32 UNJF	.410	.500	.186-.198	.354	.164-.190	.66- .84	.026	.055
4	.2500-28 UNJF	.560	.610	.247-.257	.500	.224-.250	1.03-1.09	.031	.080
5	.3125-24 UNJF	.780	.880	.307-.322	.569	.312-.297	1.28-1.53	.089	.106
6	.3750-24 UNJF	.880	1.000	.370-.390	.690	.350-.375	1.97-2.09	.089	.106
8	.5000-20 UNJF	1.780	MAX	.490-.519	1.600	.480-.499	1.97-2.03	-	-

TABLE 1B - DIMENSIONS R1-Y

BASIC NUMBER AS4108/1 SIZE CODE /9/ /12/	R1	R2 /4/	S /4/	U	X	Y
3	.030-.045	.660	.500	.040	.0030	.005
4	.035-.055	1.120	.840	.040	.0030	.005
5	.050-.070	-	-	.050	.0030	.006
6	.050-.070	-	-	.050	.0025	.009
8	.050-.070	-	-	.060	.0020	.010

TABLE 1C - LENGTH L /8/

BASIC NUMBER AS4108/1 SIZE CODE /9/ /12/	ALLOWABLE LENGTH CODES IN HUNDREDTH INCHES (200 = 2.00 INCHES)															
	175	200	225	250	275	300	350	400	450	500	550	600	650	700		
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	-	-	225	250	275	300	350	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	350	400	450	-	550	-	-	-	-	
6	-	-	-	-	-	-	350	400	450	500	550	575	600	-	-	
8	-	-	-	-	-	-	-	400	450	500	550	-	600	650	700	

NOTES:

- MATERIAL: A-286 CORROSION RESISTING STEEL PER AMS5731, AMS5732, OR AMS5737 (UNS S66286).
- HEAT TREATMENT: 160000 MINIMUM ULTIMATE TENSILE STRENGTH AT ROOM TEMPERATURE.
- FINISH: PASSIVATE PER AMS2700.
- WHEN SPECIFIED, BOLT BEND ANGLE SHALL BE 18° OR 30° AS DESIGNATED BY PART NUMBER (SEE PART NUMBER CODE /12/). CURVED OPTION NOT AVAILABLE ON -5 AND LARGER.
- ALL DIMENSIONS ARE IN INCHES. TOLERANCES: .XX = ±.03, .XXX = ±.010, ANGLES = ±1°, EXCEPT AS NOTED.
- PARTS SHALL BE FREE FROM BURRS AND SLIVERS.
- DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ANSI Y14.5M 1982.
- L = LENGTH IN HUNDREDTH INCHES.
- BOLT SIZE = BOLT DIAMETER IN .062 INCH INCREMENTS.
- THREADS TO BE ROLLED PER AS8879 AFTER HEAT TREATED.

	AEROSPACE STANDARD		AS4108™/1 SHEET 2 OF 3	REV. A
	(R) T-BOLT, A-286, 1000 °F			