

REV.  
A

RATIONALE

FIGURE REDRAWN, TABLES 1 AND 2 RETYPED, USAGE NOTE ADDED, SPECS UPDATED.

MA3449™

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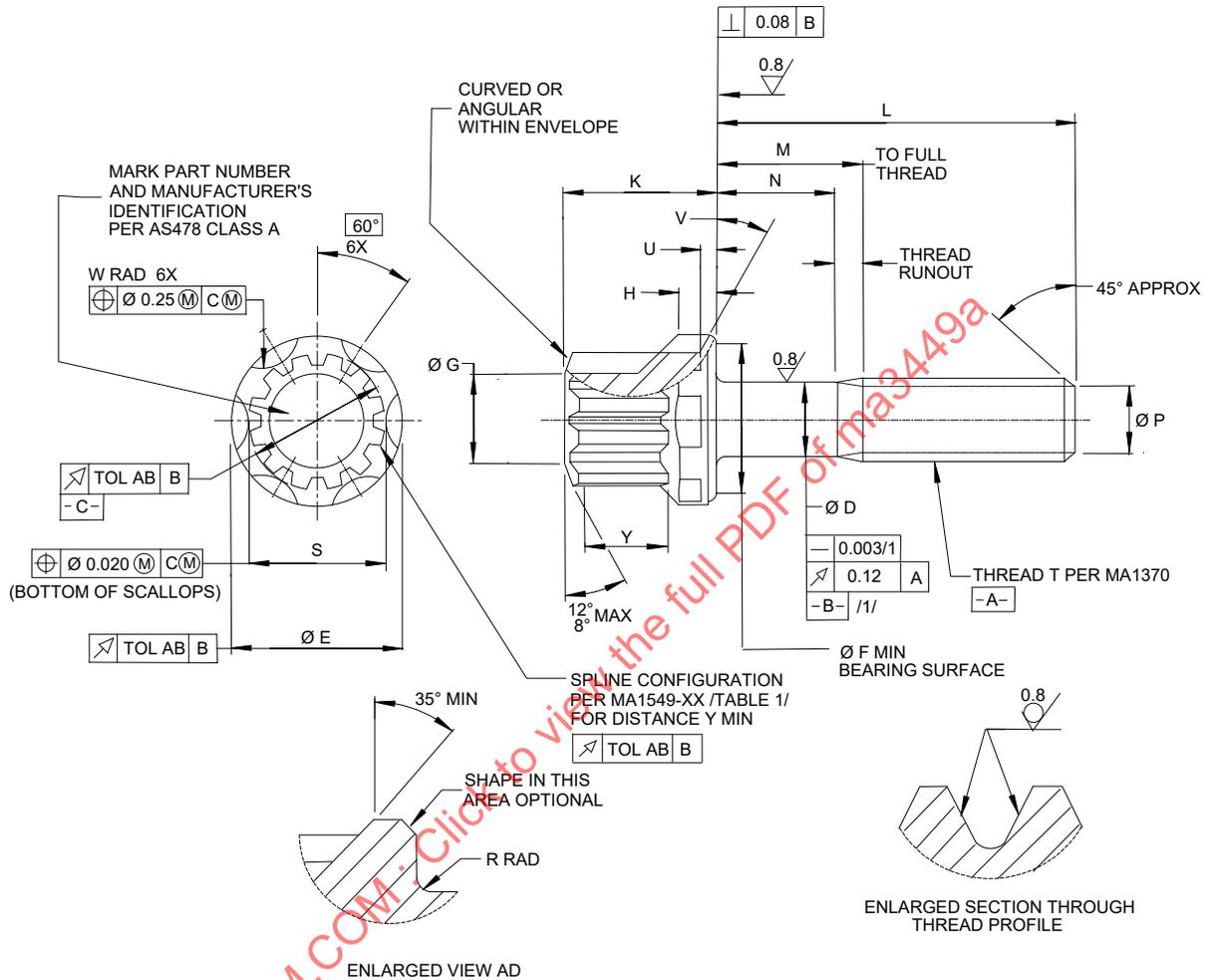
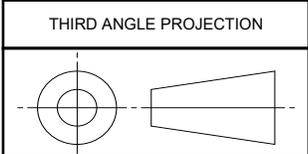


FIGURE 1

For more information on this standard, visit  
<https://www.sae.org/standards/content/MA3449A/>



CUSTODIAN: E-25



METRIC AEROSPACE STANDARD

BOLT, SPLINE DRIVE EXTENDED  
 WASHER HEAD, REDUCED HEAD, RETAINER  
 LOCKED, PD SHANK, AMS5708, METRIC

MA3449™  
 SHEET 1 OF 4

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ISSUED 1991-05 REAFFIRMED 2015-05 REVISED 2022-03

**TABLE 1 - DIMENSIONS**

PART NUMBER /8/	NOM DIA REF	THREAD T	Ø D	ØE	Ø F MIN	Ø G MIN	H	K
MA3449-0500XX	5	MJ5x0.8-4h6h	4.35-4.61	10.5-10.6	9.1	6.0	2.7-3.2	6.8-7.3
MA3449-0600XX	6	MJ6x1-4h6h	5.22-5.48	11.5-11.6	10.6	7.0	2.7-3.2	7.2-7.7

**TABLE 1 - DIMENSIONS (CONTINUED)**

PART NUMBER /8/	Ø P	R RAD	S	U	V	AB	WRENCH CONFIGURATION DASH NUMBER	Y MIN
MA3449-0500XX	3.0-4.0	0.3-0.5	7.74	0.9-1.3	28°- 32°	0.10	06	2.5
MA3449-0600XX	3.7-4.7	0.5-0.7	8.9	1.0-1.5	28°- 32°	0.13	07	2.8

**TABLE 2**

SIZE	L LENGTH	DASH NO. SEE NOTE 8	M MAX	N MIN	APPROX MASS KG/100	
MJ5 x 0.8 – 4h6h	7.7- 8.3	050008	2.1	0.5	0.389	
	9.7-10.3	050010	2.1	0.5	0.415	
	11.7-12.3	050012	2.1	0.5	0.440	
	13.7-14.3	050014	2.1	0.5	0.466	
	15.7-16.3	050016	2.1	0.5	0.491	
	17.7-18.3	050018	2.1	0.5	0.517	
	19.7-20.3	050020	4.0	0.9	0.542	
	21.7-22.3	050022	6.0	2.9	0.568	
	23.7-24.3	050024	8.0	4.9	0.593	
	25.7-26.3	050026	10.0	6.9	0.619	
	27.7-28.3	050028	12.0	8.9	0.644	
	29.7-30.3	050030	14.0	10.9	0.670	
	31.7-32.3	050032	16.0	12.9	0.695	
	33.7-34.3	050034	18.0	14.9	0.721	
	35.7-36.3	050036	20.0	16.9	0.746	
	37.7-38.3	050038	22.0	18.9	0.772	
	39.7-40.3	050040	24.0	20.9	0.797	
	41.7-42.3	050042	26.0	22.9	0.823	
	43.7-44.3	050044	28.0	24.9	0.849	
	45.7-46.3	050046	30.0	26.9	0.874	
	47.7-48.3	050048	32.0	28.9	0.900	
	49.7-50.3	050050	34.0	30.9	0.925	
	51.7-52.3	050052	36.0	32.9	0.951	
	53.7-54.3	050054	38.0	34.9	0.976	
	55.7-56.3	050056	40.0	36.9	1.002	
	57.7-58.3	050058	42.0	38.9	1.027	
	59.7-60.3	050060	44.0	40.9	1.046	
	63.7-64.3	050064	48.0	44.9	1.104	
	67.7-68.3	050068	52.0	48.9	1.155	
	71.7-72.3	-----	-----	-----	-----	-----
	75.7-76.3	-----	-----	-----	-----	-----
	79.7-80.3	-----	-----	-----	-----	-----
83.7-84.3	-----	-----	-----	-----	-----	

TABLE 2 (CONTINUED)

SIZE	L LENGTH	DASH NO. SEE NOTE 8	M MAX	N MIN	APPROX MASS KG/100
MJ6 x 1 – 4h6h	7.7- 8.3	-----	----	----	-----
	9.7-10.3	060010	2.7	0.7	0.5019
	11.7-12.3	060012	2.7	0.7	0.5359
	13.7-14.3	060014	2.7	0.7	0.5699
	15.7-16.3	060016	2.7	0.7	0.6109
	17.7-18.3	060018	2.7	0.7	0.6449
	19.7-20.3	060020	2.7	0.7	0.6869
	21.7-22.3	060022	4.0	0.7	0.7209
	23.7-24.3	060024	6.0	2.5	0.7649
	25.7-26.3	060026	8.0	4.5	0.8059
	27.7-28.3	060028	10.0	6.5	0.8359
	29.7-30.3	060030	12.0	8.5	0.8809
	31.7-32.3	060032	14.0	10.5	0.9129
	33.7-34.3	060034	16.0	12.5	0.9459
	35.7-36.3	060036	18.0	14.5	0.9789
	37.7-38.3	060038	20.0	16.5	1.0219
	39.7-40.3	060040	22.0	18.5	1.0539
	41.7-42.3	060042	24.0	20.5	1.0969
	43.7-44.3	060044	26.0	22.5	1.1409
	45.7-46.3	060046	28.0	24.5	1.1699
	47.7-48.3	060048	30.0	26.5	1.2079
	49.7-50.3	060050	32.0	28.5	1.2459
	51.7-52.3	060052	34.0	30.5	1.2979
	53.7-54.3	060054	36.0	32.5	1.3369
	55.7-56.3	060056	38.0	34.5	1.3599
	57.7-58.3	060058	40.0	36.5	1.4049
	59.7-60.3	060060	42.0	38.5	1.4359
	63.7-64.3	060064	46.0	42.5	1.4879
	67.7-68.3	060068	50.0	46.5	1.5459
	71.7-72.3	060072	54.0	50.5	1.6339
	75.7-76.3	060076	58.0	54.5	1.7159
	79.7-80.3	060080	62.0	58.5	1.7969
	83.7-84.3	060084	66.0	62.5	1.8579


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