

FED. SUPPLY CLASS

5306

MARK MS3369A (FOR A286 MATERIAL) OR
MS3369B (FOR PH 13-8Mo MATERIAL)
AND MANUFACTURER'S IDENTIFICATION,
RAISED OR DEPRESSED .010 MAX.

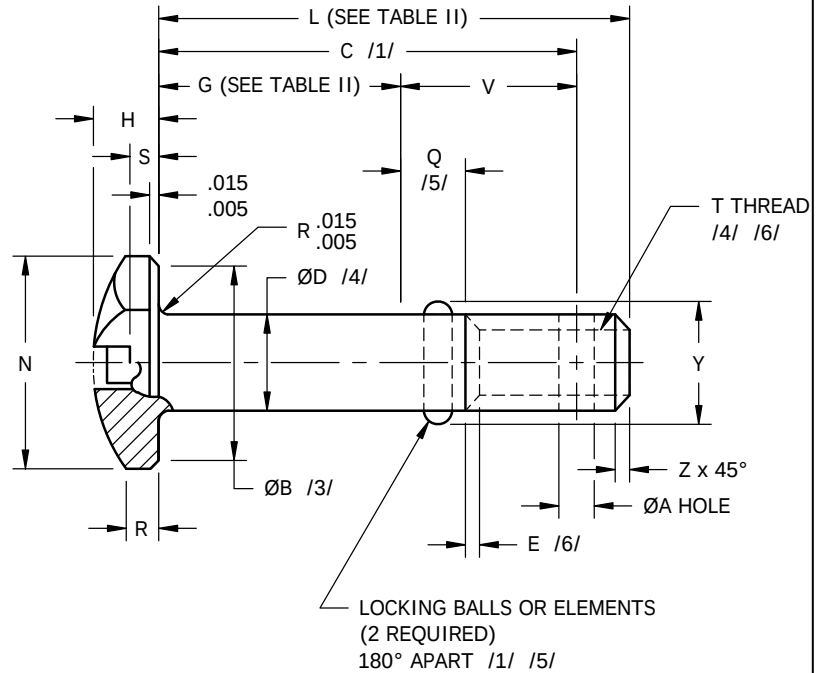
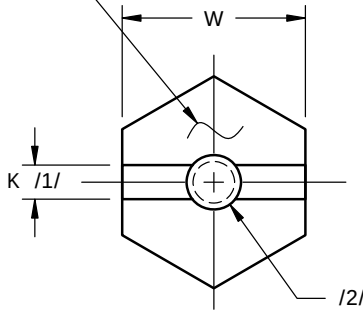


TABLE I – DIMENSIONS

DASH NO.	T THREAD DESIGNATION	ØA		ØB	ØD		H		K		N	Q		R		S		V	W		Y		Z	
		MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	BASIC	MAX	MIN	MAX	MIN	MAX	MIN
3	.1900-32 UNJF-3A	.080	.070	.335	.1894	.1889	.110	.095	.057	.047	.413	.094	.079	.083	.063			.293	.375	.367	.225	.215		
4	.2500-28 UNJF-3A	.086	.076	.398	.2492	.2487	.141	.126	.073	.063	.488	.125	.110	.104	.084	.032	.022	.333	.439	.430	.294	.284	.041	.021
5	.3125-24 UNJF-3A			.460	.3117	.3112	.172	.157	.088	.078	.557	.156	.141	.125	.105			.375	.502	.492	.380	.370		
6	.3750-24 UNJF-3A			.522	.3742	.3737	.204	.189			.628	.171	.156	.146	.126	.047	.037	.421	.564	.553	.445	.435		
7	.4375-20 UNJF-3A	.116	.106	.585	.4367	.4362	.235	.220	.104	.094	.698	.202	.187	.166	.146	.063	.053	.460	.627	.617	.514	.504	.057	.037
8	.5000-20 UNJF-3A			.710	.4991	.4986	.266	.251			.840	.234	.219	.188	.168	.078	.068	.523	.752	.741	.599	.589		
9	.5625-18 UNJF-3A	.151	.141	.835	.5616	.5611	.297	.282	.119	.109	.910	.265	.250	.208	.188	.094	.084	.628	.877	.865	.671	.661	.072	.052
10	.6250-18 UNJF-3A	.151	.141	.898	.6241	.6236	.328	.313	.135	.125	1.050	.305	.290	.228	.208	.125	.115	.682	.940	.928	.756	.746	.072	.052
12	.7500-16 UNJF-3A	.151	.141	1.022	.7491	.7486	.391	.376	.151	.141	1.200	.343	.328	.271	.251	.140	.130	.815	1.064	1.052	.893	.883	.087	.067

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS3369, REVISION D. PART NUMBERS REMAIN MS3369.

THIRD ANGLE PROJECTION	PROCUREMENT SPECIFICATION NASM23964	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE		REVISION 1	
		TITLE BOLT, SELF-RETAINING, POSITIVE LOCKING, CRES, 90 KSI Fsu, 63 KSI Ftu, HEXAGON SLOTTED HEAD, 450 °F AND 650 °F		CLASSIFICATION PART STANDARD NASM3369	



NASM3369
SHEET 1 OF 5
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MATERIAL:

BOLT AND PLUNGER: CRES – PH 13-8 Mo (UNS S13800) CHEMISTRY OF AMS5629.

BALLS OR ELEMENT: CRES – CLASS FSC 400C PER QQ-S-763 AMS-QQ-S-763.

SPRING: CRES WIRE – SPRING TEMPER PER AMS5673 AMS5678, 17-7 PH (UNS S17700) OR QQ-W-423 ASTM A 313/A 313M, CLASS FS302 (UNS S30200).

NONMAGNETIC:

BOLT AND PLUNGER: CRES – A286 (UNS S66286) CHEMISTRY OF AMS5737.

BALLS OR ELEMENT: CRES PER MIL-S-7720 AMS-S-7720.

SPRING: NICKEL-CHROMIUM-IRON ALLOY PER QQ-W-390 ASTM B166, COLD-WORKED, SPRING TEMPER OR NICKEL-ALLOY SPRING PER AMS5699, SPRING TEMPER.

HEAT TREATMENT:

BOLT AND PLUNGER: PER AMS2759 TO CONDITION H1000.

BALLS: PER AMS2759 TO 50-62 HRC.

NONMAGNETIC:

BALLS: PER AMS2759 TO 25 HRC MINIMUM.

FINISH:

CRES MATERIAL PASSIVATED PER AMS2700, METHOD 1, CLASS 4.

LUBRICATION:

BOLT PLUNGER MANUFACTURED FROM PH 13-8Mo AND A286 MATERIAL SHALL BE COATED WITH DRY FILM LUBRICANT PER MIL-L-8937 AND MIL-L-46010 AS5272 TYPES I AND II RESPECTIVELY.

EXAMPLE OF PART NUMBER:

MS3369 A 4 16 = .2500-28 UNJF-3A, BOLT 1 INCH NOMINAL GRIP, A286 MATERIAL

GRIP DASH NUMBER (SEE TABLE II)

DIAMETER DASH NUMBER (SEE TABLE I)

MATERIAL – “A” FOR A286, “B” FOR PH 13-8Mo

BASIC PART NUMBER

NOTES:

- /1/ COTTER PIN HOLE SHALL BE WITHIN .010 INCH OF BOLT CENTERLINE FOR BOLTS Ø5/16 AND SMALLER; AND WITHIN .015 INCH FOR BOLTS Ø3/8 AND LARGER. THE PIN HOLE SHALL BE PERPENDICULAR TO BOLT CENTERLINE WITHIN $\pm 2^\circ$. LOCATION OF COTTER PIN HOLE FROM BEARING SURFACE IS GIVEN BY “C” = (“G” MIN + “V”) $\pm .010$. THE COTTER PIN HOLE SHALL BE PERPENDICULAR TO THE SLOT IN HEAD WITHIN $\pm 5^\circ$. ORIENTATION OF BALLS OR ELEMENT TO COTTER PIN HOLE SHALL BE IN LINE WITHIN $\pm 3^\circ$.

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REVISION

1

NASM3369
SHEET 2



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