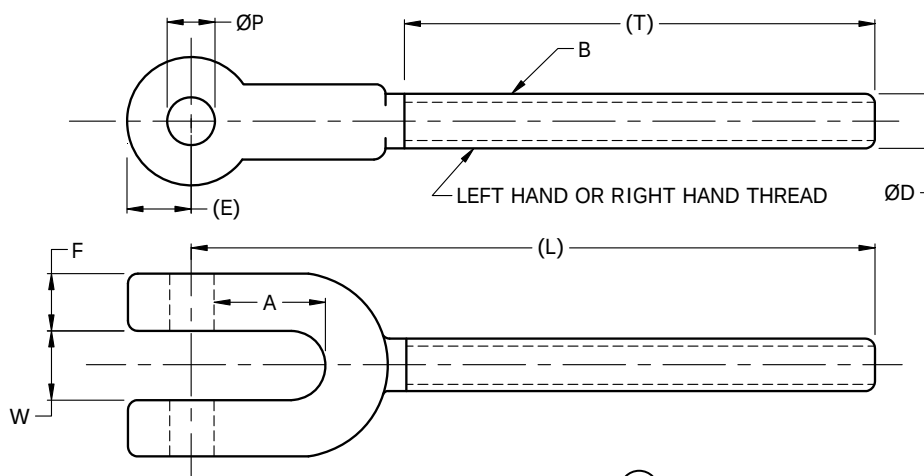




FED. SUPPLY CLASS

5340

TABLE I – DIMENSIONS

L.H. THREAD DASH NO.	R.H. THREAD DASH NO.	ØD NOM	B THREAD UNC-2A	BREAKING STRENGTH LBF MIN	REC. WORKING LOAD LBF	(E)	A MIN	F MIN	ØP MIN	W MIN	(L)	(T)	TURNBUCKLE BODY CLEAR OPENING (TAKE-UP) /4/
1	2	.250	.2500-20	1,550	310	.34	.62	.12	.25	.38	3.69	2.56	4
3	4	.312	.3125-18	2,700	540	.34	.72	.12	.25	.47	4.34	3.00	4.5
5	6	.375	.3750-16	4,100	820	.47	.81	.19	.31	.50	5.38	3.94	6
7	8										6.00	4.25	6
9	10	.500	.5000-13	7,550	1,500	.56	1.03	.25	.38	.62	7.50	5.75	9
11	12										9.00	7.25	12
13	14										6.94	4.56	6
15	16	.625	.6250-11	12,100	2,400	.75	1.25	.31	.50	.75	8.44	6.06	9
17	18										9.94	7.56	12
19	20										11.44	9.06	18
21	22										7.44	4.88	6
23	24	.750	.7500-10	18,100	3,600	.97	1.50	.38	.62	.94	8.94	6.38	9
25	26										10.44	7.88	12
27	28										13.44	10.88	18
29	30										16.44	13.88	24
31	32	.875	.8750-9	25,100	5,000	1.09	1.75	.44	.75	1.12	8.19	5.19	6
33	34										11.19	8.19	12
35	36										14.19	11.19	18
37	38										9.06	5.50	6
39	40	1	1.0000-8	33,100	6,600	1.28	2	.50	.88	1.19	12.06	8.50	12
41	42										15.06	11.50	18
43	44										18.06	14.50	24
45	46										21.06	17.50	36
47 /5/	48	1.125	1.1250-7	41,600	8,300	1.44	2.19	.56	1	1.50	12.56	8.75	12
49 /5/	50										15.56	11.75	18
51 /5/	52										18.56	14.75	24
53	54	1.250	1.2500-7	53,600	10,700	1.62	2.38	.62	1.12	1.75	13.12	9.12	12
55	56										16.12	12.12	18
57	58										19.12	15.12	24
59	60	1.500	1.5000-6	77,700	15,500	1.94	2.75	.69	1.38	2.06	15.12	11.06	12
61	62										18.12	14.06	18
63	64										21.12	17.06	24
65	66										24.12	20.06	36
67	68	1.750	1.7500-5	105,000	21,000	1.31	3	.75	1.62	2.38	20.12	16.06	18
69	70	2	2.0000-4.5	138,000	27,600	2.69	3.75	.81	1.88	2.50	23.62	19.56	24
71	72										26.62	22.56	26
73	74	2.500	2.5000-4	223,000	44,600	3.06	4.25	1	2.25	2.88	26.12	22.06	24
75	76										29.12	25.06	36
77	78										32.12	28.06	48

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS27120 REVISION A. PART NUMBERS REMAIN MS27120.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION ASTM F 1145	TITLE CLEVIS, ROD END, TURNBUCKLE (GENERAL PURPOSE)	CLASSIFICATION PART STANDARD MS27120
		SHEET 1 OF 2



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MATERIAL:

STEEL – FORGED PER PROCUREMENT SPECIFICATION.

FINISH:

HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153/A153M.

②

CODE:

THE PART NUMBER CONSISTS OF MS, THE BASIC NUMBER OF THIS DOCUMENT, PLUS THE DASH NUMBER.

EXAMPLE OF PART NUMBER:

② MS27120-1 = CLEVIS, ROD END, TURNBUCKLE, .2500-20 UNC-2A, LEFT HAND THREAD, 2.56 LONG.

NOTES:

- (1) THE THREADS SHALL BE IN ACCORDANCE WITH THE SCREW THREAD STANDARDS FOR FED-STD-H28.
- (2) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (3) THE RECOMMENDED WORKING LOAD (SAFETY FACTOR 5 TO 1) IS BASED ON THE BREAKING STRENGTH AT THE THREAD ROOT.
- /4/ THESE DIMENSIONS ARE GIVEN FOR REFERENCE ONLY.
- /5/ DASH NUMBERS "47" THRU "52", INCLUSIVE, ARE INACTIVE FOR NEW DESIGN. NO LONGER MANUFACTURED.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (7) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (9) THE ILLUSTRATION IS FOR IDENTIFICATION AND IS NOT INTENDED TO RESTRICT DESIGNS OR SHAPES NOT DIMENSIONED.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- ② (11) FOR DESCRIPTION OF STATUS NOTES SEE NAS380.

REVISION

2

NAS27120-1

SHEET 2



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