

FED SUP CLASS  
5340

USER ACTIVITIES:  
ARMY - ME  
NAVY - AS, MC, OS, YD

REVIEWER ACTIVITIES:  
ARMY - CR  
AIR FORCE - B2  
DLA - 13

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MISC 8/A

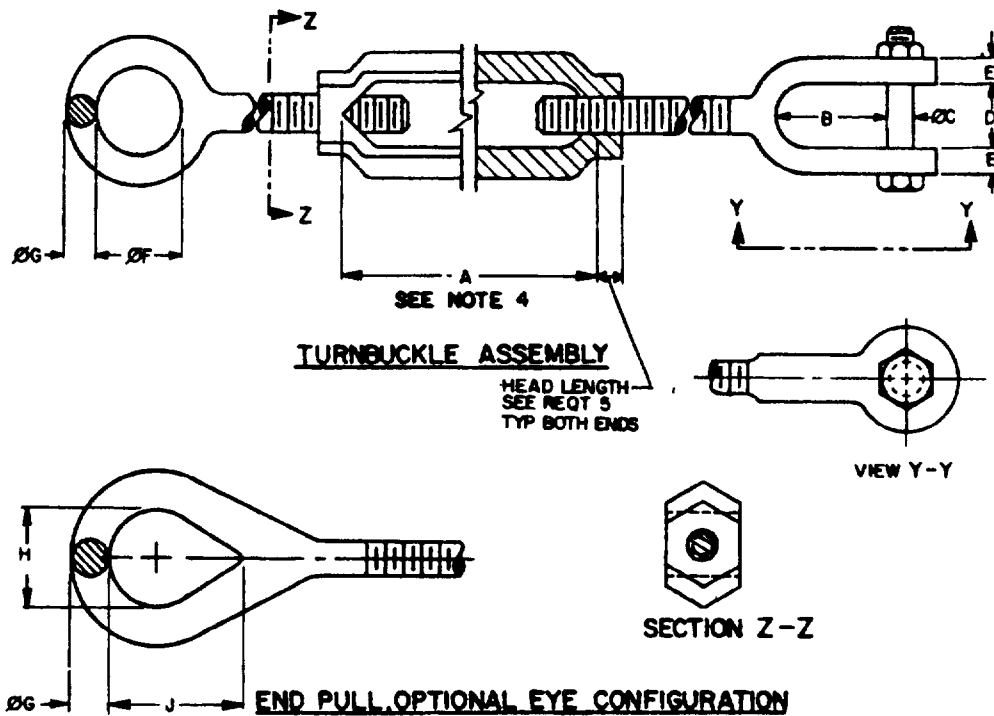


TABLE 1. DIMENSIONS AND DIMENSIONS

DIMENSION NUMBER	NOMINAL THREAD SIZE	A MIN	JAW					EYE			
			B MIN	ØC MIN	D MIN	E MIN	ØF MIN	ØG MIN	H MIN	J MIN	
1	.250-20	4	.625	.250	.375	.125	.500	.218	.344	.687	
2	.3125-18	4.5	.719	.250	.469	.125	.625	.281	.437	.812	
3	.375-16	6	.812	.312	.500	.187	.750	.344	.531	.937	
4		6									
5	.500-13	9	1.032	.375	.625	.250	1.000	.437	.718	1.187	
6		12									
7		6									
8	.625-11	9	1.250	.500	.750	.312	1.250	.500	.875	1.375	
9		12									
10		18									
11		6									
12	.750-10	9	1.500	.625	.937	.375	1.500	.625	1.000	1.625	
13		12									
14		18									
15		24									
16		12									
17	.875-9	18	1.750	.750	1.125	.437	1.750	.750	1.250	1.875	
18		24									
19		12									
20	1.000-8	18	2.000	.875	1.187	.500	2.000	.875	1.437	2.250	
21		24									
22		36									

ARMY - AR  
NAVY - SH  
AIR FORCE - 99

INTERNATIONAL  
INTEREST

TITLE

TURNBUCKLE, SPREAD BODY,  
JAW AND EYE  
(TYPE I, FORM 2, CLASS 8)

MILITARY STANDARD

MS51569

PROCUREMENT SPECIFICATION  
FF-T-791

SUPERSEDES:

PAGE 1 OF 3

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5340-1809

APPROVED 15 FEB 1968 REVISED

USER ACTIVITIES:  
ARMY - ME  
NAVY - AS, MC, OG, YD

REVIEWER ACTIVITIES:  
ARMY - CR  
AIR FORCE - 82  
DLA - IS

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FED SUP CLASS  
5340

TABLE 1 DASH NUMBERS AND DIMENSIONS - CONTINUED

DASH NUMBER	NOMINAL THREAD SIZE	A MIN	JAW				EYE			
			B MIN	ØC MIN	D MIN	E MIN	ØF MIN	ØG MIN	H MIN	J MIN
23 24 25 26	1.250-7	12 18 24 36	2.375	1.125	1.750	.625	2.125	1.062	1.687	2.562
27 28 29 30 31	1.500-6	12 18 24 36 48	2.750	1.375	2.062	.687	2.250	1.250	2.125	3.250
32 33 34 35	1.750-5	18 24 36 48	3.000	1.625	2.375	.750	2.500	1.437	2.375	3.750
36 37 38	2.000-4.5	24 36 48	3.750	1.875	2.500	.812	3.000	1.625	2.687	4.375
39 40 41	2.250-4.5	24 36 48	4.000	2.062	2.625	.875	3.250	1.812	2.937	5.187
42 43 44	2.500-4	24 36 48	4.250	2.250	2.875	1.000	3.500	2.000	3.125	6.000

**REQUIREMENTS:**

- MATERIAL:** TURNBUCKLE BODY AND END PULLS SHALL BE MANUFACTURED FROM STEEL OF A COMPOSITION CAPABLE OF WITHSTANDING THE SPECIFIED BREAKING STRENGTH IN THE PROCUREMENT SPECIFICATION.
- FABRICATION METHOD:**  
BODY - THE TURNBUCKLE BODY SHALL BE FABRICATED OF ONE PIECE OF MATERIAL AS SPECIFIED IN THE PROCUREMENT SPECIFICATION.  
END PULLS - THE END PULLS SHALL BE HOT FORGED.
- FINISH:**  
RUST INHIBITOR - TURNBUCKLE BODY AND END PULLS SHALL BE TREATED WITH RUST INHIBITOR IN ACCORDANCE WITH MIL-C-85054 OR EQUIVALENT.  
ZINC COATING - TURNBUCKLE BODY AND END PULLS SHALL BE ZINC COATED AS SPECIFIED IN PROCUREMENT SPECIFICATION, ASTM B633, TYPE II, Fe/Zn 13.
- THREADS:** ONE END PULL AND THE CORRESPONDING HEAD BODY SHALL HAVE RIGHT HAND THREAD AND THE OTHER LEFT HAND. THE THREAD SHALL BE MACHINED AFTER FABRICATION OF END PULL AND THE HEAD BODY.
- LENGTH OF HEAD:** THE LENGTH OF THE HEAD OF THE TURNBUCKLE BODY SHALL BE NOT LESS THAN 1 1/2 TIMES THE NOMINAL THREAD SIZE FOR SIZES UP TO 1.250, AND 1 1/4 TIMES FOR SIZES GREATER THAN 1.250 NOMINAL THREAD SIZE.
- BREAKING STRENGTH:** THE BREAKING STRENGTH OF THE TURNBUCKLE SHALL BE NOT LESS THAN THE VALUE SPECIFIED IN THE PROCUREMENT SPECIFICATION FOR TYPE I, FORM 2, WITH JAW AND EYE END PULLS.
- BENDING STRENGTH:** THE BENDING STRENGTH SHALL BE AS SPECIFIED IN THE PROCUREMENT SPECIFICATION.
- LENGTH OF THREAD:** THE LENGTH OF THE THREAD ON THE TWO END PULLS SHALL BE GREAT ENOUGH SO THAT THE ENDS OF THE END PULLS CAN BE BROUGHT INTO CONTACT WITH EACH OTHER AT THE MIDDLE OF THE BODY LENGTH.

APPROVED 15 FEB 1988 REVISED

ARMY-AR Other Code NAVY-SH AIR FORCE-99	INTERNATIONAL INTEREST	TITLE TURNBUCKLE SPREAD BODY, JAW AND EYE (TYPE I, FORM 2, CLASS B)	MILITARY STANDARD MS51569
PROCUREMENT SPECIFICATION FF-T-791	SUPERSEDES	PAGE 2 OF 3	

FED SUP CLASS  
5340

9. **PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC NS NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLE I AND THE FINISH CODE BELOW:

**FINISH CODE:**

- F - RUST INHIBITOR TREATMENT  
Z - ZINC COATED.

EXAMPLE: MS51569-7Z

MS51569-7Z INDICATES TURNBUCKLE, SPREAD BODY, JAW AND EYE END PULLS; .625-11 THREAD; 6-INCH CLEAR OPENING BETWEEN HEADS; ZINC COATED

**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES. TOLERANCES SHALL BE IN ACCORDANCE WITH STANDARD MANUFACTURING PRACTICES FOR TURNBUCKLES.
2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
3. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
4. DIMENSION "A" IS THE TAKE UP LENGTH OR CLEAR OPENING INSIDE OF THE BODY.

USER ACTIVITIES:  
ARMY-ME  
NAVY-AS, MC, OS, YD

REVIEWER ACTIVITIES:  
ARMY-CR  
AIR FORCE-82  
DLA-IS

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			MS51569	
PROCUREMENT SPECIFICATION FF-T-791	SUPERSEDES	PAGE 3 OF 3		

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