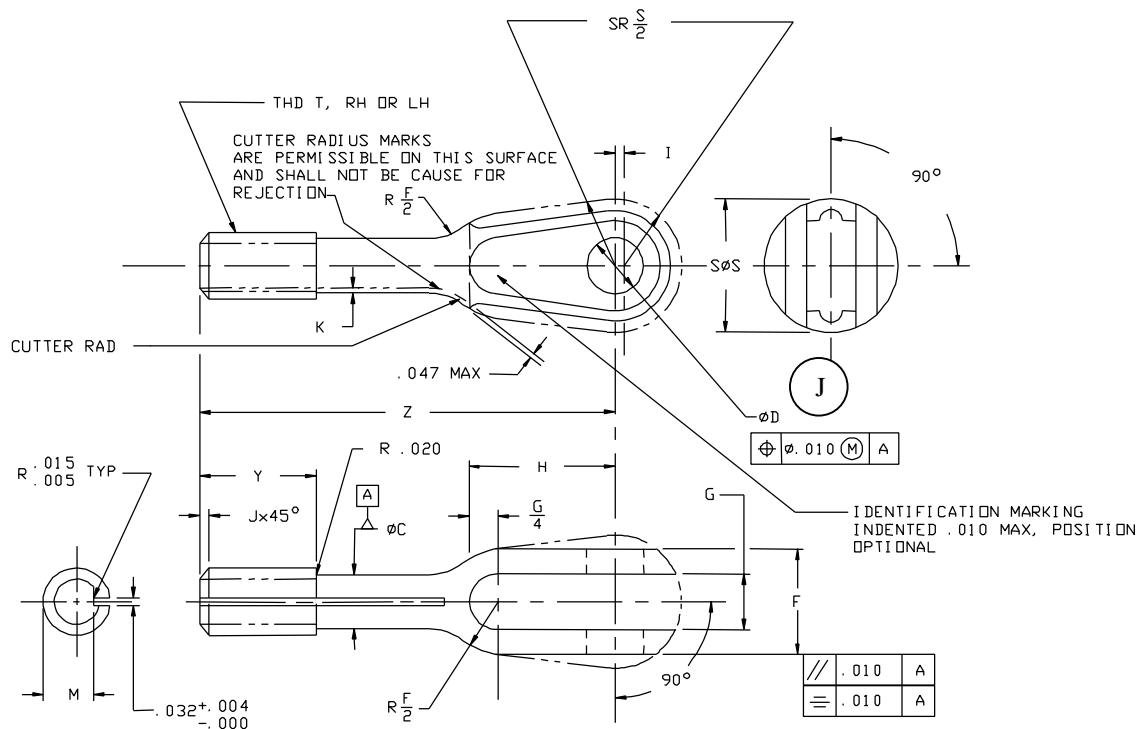


INCH-POUND**MS21252J****22 FEBRUARY 1999****Superseding****MS21252H****15 August 1997****MILITARY SPECIFICATION SHEET****CLEVIS, END, TURNBUCKLE, CLIP LOCKING**

This specification sheet is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation: MIL-DTL-8878.



(J) Denotes change(s)

MS21252J

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DASH NO DIRECTION OF THREAD		WIRE ROPE DIA REF	MIN BREAKING STRENGTH LB	THREAD T UNF-3A	ØC +.006 -.000	ØD +.002 -.000	F +.010 -.005	G +.010 -.000	H	I +.010 -.000	J +.000 -.015	K MAX	M		SØS ±.010 REF	Y ±.047	Z ±.047
RH TRD	LH TRD												MAX	MIN			
-2RS	-2LS	.062 (1/16)	800	.1380 (#6)-40	.094	.190	.250	.109	.375	.031	.031	.0096	.1139	.1094	.375	.375	1.500
-3RS	-3LS	.093 (3/32)	1600	.1900 (#10)-32	.133	.190	.319	.156				.0077	.1638	.1568	.500	.500	1.625
-3RL	-3LL																2.500
-4RS	-4LS	.125 (1/8)	2200	.2500 (1/4)-28	.189	.190	.383	.195	.531	.047	.047	.0103	.2224	.2152	.547	.563	1.844
-4RL	-4LL															2.734	
-5RS	-5LS	.156 (5/32)	3200	.2500 (1/4)-28	.189	.250	.452	.218	.531			.0103	.2224	.2152	.641	.625	1.844
-5RL	-5LL									.078	.078						2.734
-6RS	-6LS	.187 (3/16)	4600	.3125 (5/16)-24	.243	.313	.547	.250	.656			.0064	.2830	.2754	.734	.750	2.031
-6RL	-6LL															2.906	
-8RL	-8LL	.250 (1/4)	8000	.3750 (3/8)-24	.306	.375	.687	.312	.875	.063	.063	.0057	.3454	.3378	.922	.875	3.188
-9RL	-9LL	.281 (9/32)	12500	.4375 (7/16)-20	.362	.438	.750	.375	1.000	.0056		.4052	.3972	1.094	1.000	3.438	
-10RL	-10LL	.312 (5/16)	17500	.5000 (1/2)-20	.425	.500	.844	.437	1.188	.0058		.4678	.4597	1.219		3.688	

REQUIREMENTS:

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1. Material: 17-4PH stainless steel in accordance with AMS 5643 or ASTM A564. Steel, carbon or alloy in accordance with MIL-DTL-8878
2. Protective treatment: None for 17-4PH. Cadmium plate, QQ-P-416, Type II, Class 2 for carbon or alloy steel.
3. Heat treatment: Steel, carbon or alloy shall be heat treated to 125 to 145 KSI in accordance with MIL-H-6875. 17-4PH shall be in accordance with MIL-DTL-8878.
4. Finish: Finish in accordance with MIL-DTL-8878.
5. Threads: Threads shall be in accordance with FED-STD-H28/20.
6. Tolerances: Unless otherwise specified, tolerance: decimals $\pm .010$, angles $\pm .5^\circ$.
7. The OD of the "T" dimension may be a flat area.
8. Part number: Part Identifying Number (PIN) shall consist of the basic MS number, followed by a dash number, C in lieu of dash indicates 17-4PH (dash indicates carbon or alloy steel); first letter following dash number or letter C indicates direction of thread (left or right hand), second letter following dash number indicates length (short or long).

Example of part number: MS21252C3LS- clevis end, 17-4PH, .1900 (#10)-32 left hand thread, short.
MS21252-3RL- clevis end, steel, .1900 (#10)-32 right hand thread, long.

NOTES:

1. Remove all burrs and sharp edges. (Burrs in thread area which do not interfere are acceptable).
2. Dimensions in inches.
3. Interpret drawing in accordance with ASME Y14.5M.
4. For clip locking of the turnbuckles see MS33736.
5. Steel, Carbon and Alloy clevis end turnbuckles are inactive for new design. 17-4PH stainless clevis end turnbuckles shall be used for new design and can be used to replace comparable steel parts..
6. Unless otherwise specified, issues of referenced documents are those in effect at the time of solicitation.

MS21252J

7. In the event of a conflict between the text of this document and the references cited herein the text of this document takes precedence.

8. MS21252 items can replace AN161 items of like thread size and material.

SUBSTITUTION TABLE

The parts covered by dash numbers shown on AN161 are inactivated and canceled after 10 December 1971. Use the dash numbers given in the preceding table. The canceled parts should be used until stock is deleted. Use only the MS21252 parts for new design and substitution. Substitution shall be in accordance with this table.

PART NUMBERS	
CANCELLED PART	NEW PART
AN161	MS21252
DASH NUMBERS	DASH NUMBERS
5	NONE
8	2
16	3
22	4
32	5
46	6
61	8
80	8
125	9
175	10

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MILITARY INTEREST

Custodians:

Army – CR4
Navy - AS
Air Force - 99

Preparing activity:
DLA - GS

(Project 1560-0242)

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Review activities:

Navy – MC
Air Force 82
DLA-IS