

**INCH-POUND**

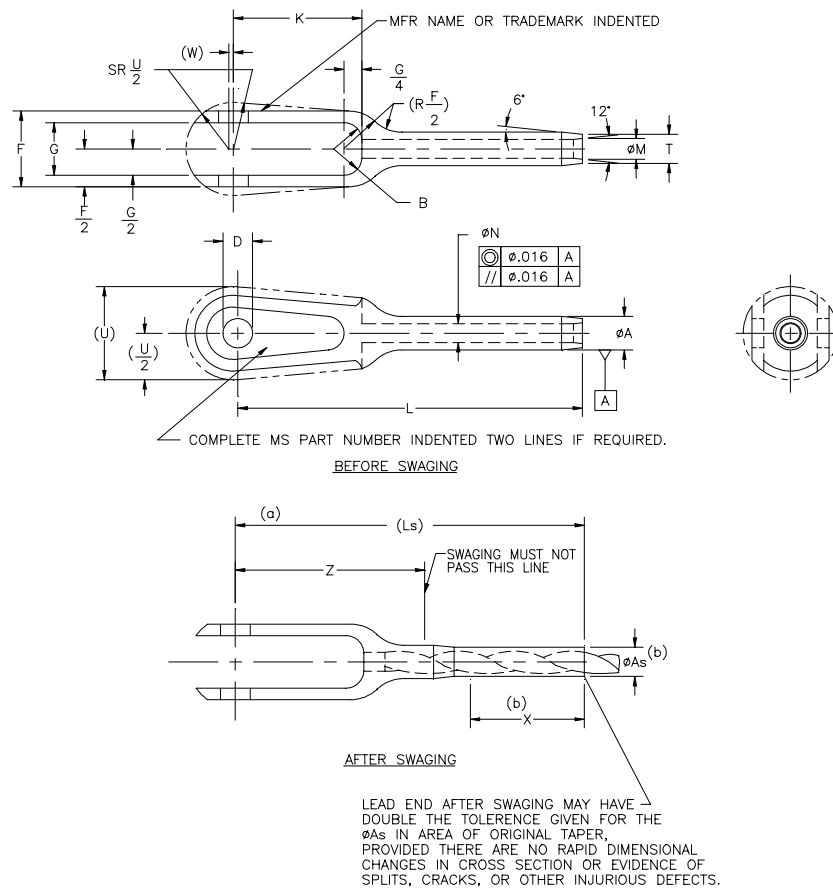
MS20658F  
 10 January 2001  
 SUPERSEDING  
 MS20658E  
 30 October 1999

## MILITARY SPECIFICATION SHEET

### TERMINAL, WIRE ROPE, SWAGING, FORK END

This specification 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-781, QPL-781.



- NOTES: (a) Reference dimensions are for design purposes only and are not an inspection requirement.  
 (b) Swaged terminals shall conform to  $\phi A_s$  for length X.

FIGURE 1. Terminal, wire rope, swaging, fork end.

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TABLE I. Part numbers and dimensions.

MS part number	Applicable bearing part number reference	Wire rope diameter		Minimum breaking strength lb 1/	ØA +.000 -.005	ØAs +.000 -.005	B ±.016	D +.002 -.000	F +.010 -.005	G ±.005	K
		Nominal	Minimum								
MS20658-3	AN200KP3	3/32	.093	920	.218	.190	.156	.190	.500	.302	1.062
MS20658-4	AN200KP4	1/8	.125	2,000	.250	.219	.188	.250	.750	.489	1.188
MS20658-5		5/32	.156	2,800	.297	.250					
MS20658-6		3/16	.187	4,200	.359	.313					
MS20658-7	AN200KP5	3/16	.187				.313	.813	.563	1.313	

1/ To achieve the minimum breaking strength, for the terminal test only, a galvanized carbon steel wire rope shall be used.

TABLE I. Part numbers and dimensions - Continued.

MS part number	L +.020 -.000	Ls reference	ØM +.010 -.000	ØN +.005 -.000	T +.000 -.005	U reference	W reference	X	Z
								Minimum	
MS20658-3	2.531	2.65	.119	.109	.190	.750	.031	.80	1.344
MS20658-4	3.062	3.32	.154	.141	.219	.875	.047	1.05	1.625
MS20658-5	3.313	3.66	.188	.172	.250			1.29	
MS20658-6	3.562	3.73	.223	.023	.313			1.31	
MS20658-7	3.687	3.86				1.000			

## REQUIREMENTS:

1. Material: Material shall be in accordance with MIL-DTL-781.
2. Finish: Finish shall be in accordance with MIL-DTL-781.
3. Swage: Swage shall be in accordance with MIL-DTL-6117.
4. Tolerances: Unless otherwise specified, tolerances: decimals  $\pm .010$ , angles  $\pm 3^\circ$ .

## NOTES:

1. Dimensions are in inches.
2. Interpret drawing in accordance with ASME Y14.5M.
3. Remove all burrs and sharp edges. (See procurement specification for definition.)
4. Interchangeability relationship: MS20658 and AN658 parts identified by the same dash number are universally, functionally and dimensionally interchangeable.
5. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence.
6. Unless otherwise specified, issues of reference documents are those in effect at the time of solicitation.
7. MS20658 supersedes AN658.

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8. Corrosion resistant steel parts can be universally substituted for carbon and alloy steel parts in accordance with table II. Carbon and alloy steel parts cannot be substituted for corrosion resistant steel parts.

TABLE II. Substitution table.

MS PART NUMBER	
Corrosion resistant steel	Carbon steel, cadmium plated
MS20658-3	MS20658F3
MS20658-4	MS20658F4
MS20658-5	MS20658F5
MS20658-6	MS20658F6
MS20658-7	MS20658F7

9. Carbon and alloy steel parts are inactive for new design.

CHANGES FROM PREVIOUS ISSUE: Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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