INCH-POUND

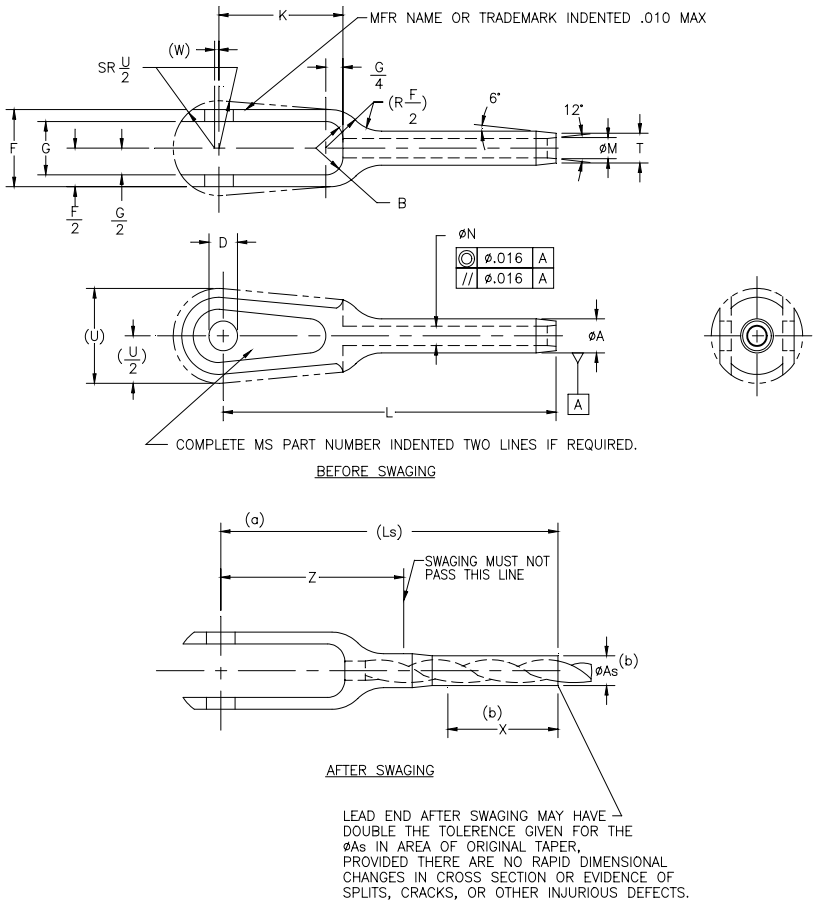
MS20658H
20 November 2002
SUPERSEDING
MS20658G
5 November 2001

DETAIL 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 MIL-DTL-781 and QPL-781 listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation.



NOTES:
(a) Reference dimensions are for design purposes only and are not an inspection requirement.
(b) Swaged terminals shall conform to '∅As' for length X.
* (c) G dimension should be inspected below cross-hole.

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

TABLE I. Dash numbers and dimensions.

Dash number	Applicable bearing part number reference	Wire rope diameter		Minimum breaking strength lbs. 1/	∅A +0.000 -0.005	∅As +0.000 -0.005	B ±0.016	D +0.002 -0.000	F +0.010 -0.005	G ±0.005	K
		Nominal	Minimum								
-3	AN200KP3	3/32	0.093	920	0.218	0.190	0.156	0.190	0.500	0.302	1.062
-4	AN200KP4	1/8	0.125	2,000	0.250	0.219	0.188	0.250	0.750	0.489	1.188
-5		5/32	0.156	2,800	0.297	0.250					
-6		3/16	0.187	4,200	0.359	0.313					
-7	AN200KP5	3/16	0.187					0.313	0.813	0.563	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. Dash numbers and dimensions - Continued.

Dash number	L +0.020 -0.000	Ls reference	∅M +0.010 -0.000	∅N +0.005 -0.000	T +0.000 -0.005	U reference	W reference	X Minimum	Z
-3	2.531	2.65	0.119	0.109	0.190	0.750	0.031	0.80	1.344
-4	3.062	3.32	0.154	0.141	0.219	0.875	0.047	1.05	1.625
-5	3.313	3.66	0.188	0.172	0.250			1.29	
-6	3.562	3.73	0.223	0.203	0.313			1.31	
-7	3.687	3.86				1.000			1.750

REQUIREMENTS:

1. Material: Material shall be in accordance with MIL-DTL-781.

2. Finish: Finish shall be in accordance with MIL-DTL-781.

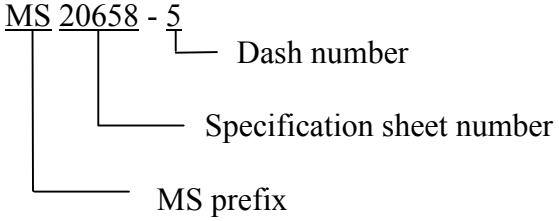
3. Swage: Swage shall be in accordance with MIL-DTL-6117.

4. Tolerances: Unless otherwise specified, tolerances: decimals ± 0.010, angles ± 3°.

NOTES:

1. The part or identifying number (PIN) consists of the letters MS, the specification sheet number, and a dash number taken from table I.

EXAMPLE: MS 20658 - 5



2. Dimensions are in inches.

3. Interpret drawing in accordance with ASME Y14.5M.

4. Remove burrs and sharp edges. (See MIL-DTL-781.)

5. Interchangeability relationship: MS20658 and AN658 parts identified by the same dash number are universally, functionally and dimensionally interchangeable.

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

7. Unless otherwise specified, issues of reference documents are those in effect at the time of solicitation.

8. MS20658 supersedes AN658.

9. 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

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

CHANGES FROM PREVIOUS ISSUE: The margins of this specification sheet are marked with asterisks to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

Custodians:
Army - CR4
Navy - AS
Air Force - 99

Preparing Activity:
DLA - GS5

(Project 1560-0026)

Review Activities:
Army - MD
Navy - MC
Air Force - 71