

INCH-POUND

MS20667F

14 February 2000

Superseding

MS20667E

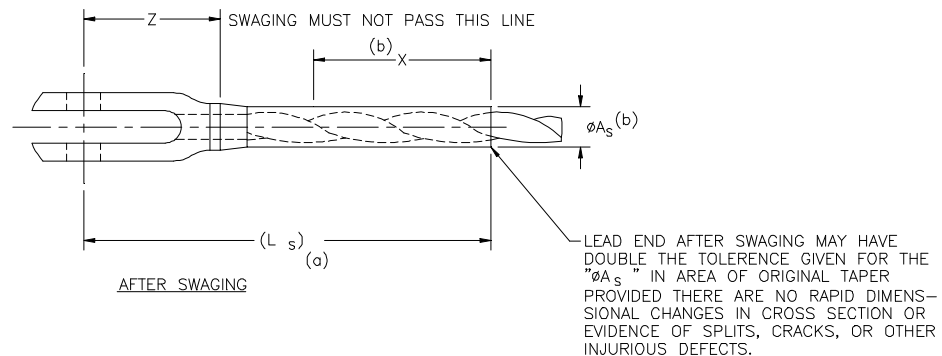
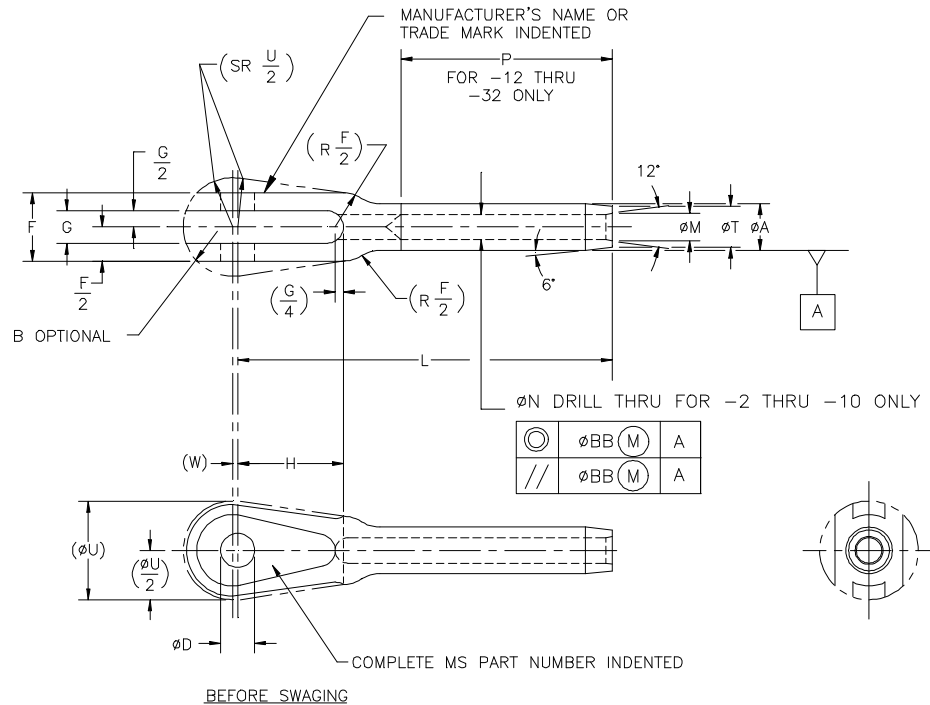
22 FEBRUARY 1999

MILITARY SPECIFICATION SHEET

TERMINAL, WIRE ROPE, SWAGING, FORK END

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-781.



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ENTIRE DOCUMENT REVISED

AMSC N/A

DISTRIBUTION STATEMENT A.

1 of 4

Approved for public release; distribution is unlimited.

FSC 1560

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TABLE I. PART NUMBERS AND DIMENSIONS.



MS PART NUMBERS CORROSION RESISTANT STEEL	CABLE DIA		(c) MINIMUM BREAKING STRENGTH	ØA		ØAs		B RAD	ØD		F +.010 -.005
	NOM	MIN									
MS20667-2	1/16	.062	480	.160	+0.000 -0.005	.138	+0.000 -0.005	.013	.190	+0.002 -0.000	.218
MS20667-3	1/32	.093	920	.218		.190		.150			.254
MS20667-4	1/8	.125	2,000	.250		.219		.220			.383
MS20667-5	5/32	.156	2,800	.297		.250	.240	.250	.406		
MS20667-6	3/16	.187	4,200	.359		.313	.310	.313	.543		
MS20667-7	7/32	.218	5,600	.427		.375	.370	.375	.625		
MS20667-8	1/4	.250	7,000	.494		.438	.390	.375	.688		
MS20667-9	9/32	.281	8,000	.563		.500	.420	.438	.719		
MS20667-10	5/16	.312	9,800	.635		.563	.460	.500	.765		
MS20667-12	3/8	.375	14,400	.703		.625	.497	.500	.830		
MS20667-14	7/16	.437	17,600	.781		.688	.497	.562			
MS20667-16	1/2	.500	22,800	.844		.750	.620	.625	1.035		
MS20667-18	9/16	.562	28,500	.984		.875	.744	.750	1.241		
MS20667-20	5/8	.625	35,000	1.109		1.000	.810	.875	1.351		
MS20667-24	3/4	.750	49,600	1.359		1.250	.870		1.451		
MS20667-28	7/8	.875	66,500	1.593	+0.000	1.437	1.000	1.656			
MS20667-32	1	1.000	85,400	1.812	-0.010	1.625	1.125	1.864			

MS PART NUMBERS CORROSION RESISTANT STEEL	G		H	L +.020 -.000
MS20667-2	.093	± .003	.500	1.572
MS20667-3	.108		.670	1.945
MS20667-4	.195		.735	2.352
MS20667-5	.202		.800	2.655
MS20667-6	.260	+ .005 - .003	.880	3.071
MS20667-7	.296		.970	3.440
MS20667-8	.313		1.070	3.806
MS20667-9	.327		1.170	4.120
MS20667-10	.348	+ .007 - .003	1.268	4.438
MS20667-12	.380		1.525	5.333
MS20667-14	.473		1.776	6.102
MS20667-16	.473		1.903	6.938
MS20667-18	.567	+ .009 - .003	2.375	7.750
MS20667-20	.663		2.770	8.673
MS20667-24	.663		2.791	9.740
MS20667-28	.756		3.170	10.802
MS20667-32	.851		3.562	12.312

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DASH NUMBER (SIZE)	Ls REF	ØM		ØN		P		ØT	
-2	1.75	.090	+.010 -.000	.078	+.005 -.000			.138	+.000 -.005
-3	2.06	.119		.109				.190	
-4	2.61	.154		.141				.219	
-5	3.00	.188		.172				.250	
-6	3.24	.223		.203				.313	+.000 -.007
-7	3.74	.257		.234				.375	
-8	4.10	.291		.265				.438	
-9	4.48	.326		.297				.500	
-10	4.86	.360		.328				.563	+.000 -.008
-12	5.74	.430	+.012 -.000	.390	+.008	3.511	+.047 -.000	.625	
-14	6.57	.514		.468	-.000	4.011		.688	
-16	7.50	.584		.531	+.009	4.698		.750	
-18	8.34	.653		.594	-.000	5.011		.875	
-20	9.36	.722	+.015 -.000	.656	+.010 -.000	5.511	+.062 -.000	1.000	+.000 -.010
-24	10.31	.860		.781	+.012 -.010	6.511		1.250	
-28	11.56	1.013		.921		7.166		1.437	
-32	13.22	1.151		1.046		8.229		1.625	

DASH NUMBER (SIZE)	ØU REF	W REF	X MIN	Z MIN	ØBB (FIM)
-2	.344	.031	.70	.60	.016
-3	.438		.80	.75	
-4	.547		1.05	.91	
-5	.688		1.29	.96	
-6	.781	.047	1.31	1.13	
-7	.906		1.55	1.25	
-8	.969		1.70	1.36	
-9	1.156		1.89	1.43	
-10	1.265	.063	2.06	1.50	.020
-12	1.500		3.12	1.89	
-14	1.750		3.57	2.16	
-16	1.875		4.31	2.31	
-18	2.340		4.51	2.81	.030
-20	2.730	.093	5.04	3.23	
-24	2.750		5.80	3.30	.040
-28	3.125		6.31	3.70	
-32	3.510		7.26	4.15	

- (a) REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT INSPECTION REQUIREMENT.
- (b) SWAGED TERMINAL SHALL CONFORM TO ØA_s FOR LENGTH X.
- (c) TO ACHIEVE THE MINIMUM BREAKING STRENGTH, FOR THE TERMINAL TEST ONLY. A GALVANIZED CARBON STEEL WIRE ROPE SHALL BE USED.

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REQUIREMENTS:

1. MATERIAL: IN ACCORDANCE WITH MIL-DTL-781.
2. FINISH: FINISH IN ACCORDANCE WITH MIL-DTL-781.
3. SWAGE: SWAGE IN ACCORDANCE WITH MIL-DTL-6117.
4. TOLERANCES: UNLESS OTHERWISE SPECIFIED: DEMIMALS $\pm .010$, ANGELES $\pm 3^\circ$.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M.
3. REMOVE BURRS AND BREAK SHARP EDGES (SEE PROCUREMENT SPECIFICATION FOR DEFINITION).
4. INTERCHANGEABILITY RELATIONSHIP: MS20667 AND AN667 PARTS IDENTIFIED BY THE SAME DASH NUMBER ARE UNIVERSALLY, FUNCTIONALLY, AND DIMENSIONALLY INTERCHANGABLE.
5. IN THE EVENT OF A CONFLICT BETWEEN THE TEST OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE.
6. UNLESS OTHERWISE SPECIFIED, ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION.
7. MS20667 SUPERSEDES AN667.
8. CORROSION RESISTANT STEEL PARTS CAN BE UNIVERSALLY SUBSTITUTED CARBON AND ALLOY STEEL PARTS IN ACCORDANCE WITH THE SUBSTITUTION TABLE. CARBON AND ALLOY STEEL PARTS ARE INACTIVE FOR NEW DESIGN AND CANNOT BE SUBSTITUTED FOR CORROSION RESISTANT STEEL PARTS.

SUBSTITUTION TABLE

MS PART NUMBERS	
CORROSION RESISTANT STEEL	CARBON STEEL CAD. PLATED
MS20667-2	MS20667F2
MS20667-3	MS20667F3
MS20667-4	MS20667F4
MS20667-5	MS20667F5
MS20667-6	MS20667F6
MS20667-7	MS20667F7
MS20667-8	MS20667F8
MS20667-9	MS20667F9
MS20667-10	MS20667F10
MS20667-12	MS20667F12
MS20667-14	MS20667F14
MS20667-16	MS20667F16
MS20667-18	MS20667F18
MS20667-20	MS20667F20
MS20667-24	MS20667F24
MS20667-28	MS20667F28
MS20667-32	MS20667F32

CUSTODIANS:

NAVY - AS
ARMY - CR4
AIR FORCE - 99

PREPARING ACTIVITY:

DLA-GS

REVIEW:

ARMY - AR, MD
AIR FORCE - 82

(PROJECT 1560-0261)

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