

INCH-POUND

MS21259E

15 August 1997

MS21259D

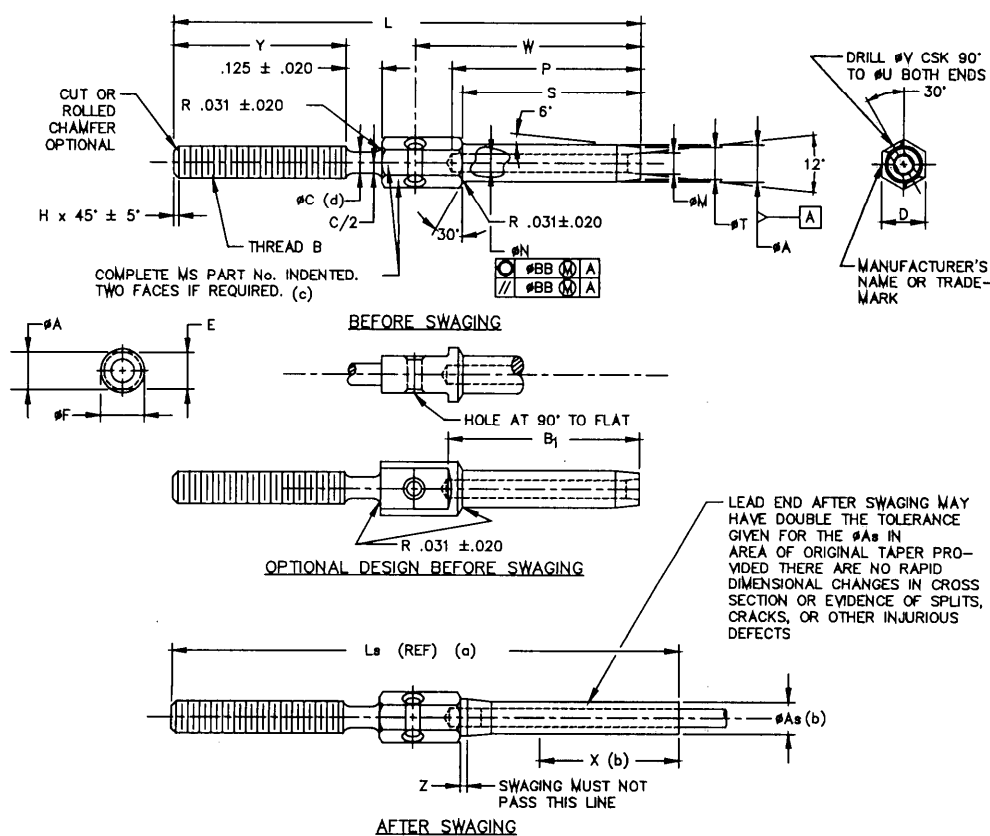
10 February 1969

## MILITARY SPECIFICATION SHEET

## TERMINAL, WIRE ROPE, STUD

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.



- (a) Reference dimensions are for design purposes only and are not an inspection requirement.
- (b) Swaged terminals shall conform to  $\varnothing A_s$  for length X.
- (c) For terminal sizes -2 thru -5 use basic part number only, example: MS21259.
- (d) Undercut ( $\varnothing C$ ) is optional for rolled threads only. The  $.031 \pm .020$  fillet shall be required in any case.

(E) Entire document revised

AMSC N/A

FSC 4030

DISTRIBUTION STATEMENT A. Approved for public release; distribution is limited.

MS21259E

MS PART NUMBERS			NOM CABLE DIA. REF	MIN. BREAKING STRENGTH LB (s)	THREAD B UN-3A UNF-3A	ØA	ØA <sub>s</sub>	B <sub>1</sub> ±.063	ØC		D	E +.000 -.010
DASH NOM (SIZE)	ØF	H							ØC	ØC		
MS21259-2RH	.188	.031	.062 (1/16)	480	.1380 (16)-40	.160	.138	1.042	.121	+.017 -.005	.188	.156
MS21259-3RH	.250	.047	.093 (3/32)	920	.1900 (10)-32	.218	.190	1.261	.169	+.021 -.005	.250	.187
MS21259-4RH	.313	.063	.125 (1/8)	2000	.2500 (1/4)-28	.250	.219	1.511	.226	+.024 -.005	.313	.250
MS21259-5RH	.375	.081	.156 (5/32)	2800	.3125 (5/16)-24	.297	.250	1.761	.285	+.028 -.005	.375	.312
MS21259-6RH	.438	.100	.187 (7/32)	4200	.3750 (3/8)-24	.427	.375	2.261	.347	+.033 -.005	.438	.375
MS21259-7RH	.500	.125	.218 (7/32)	5600	.4375 (7/16)-20	.494	.438	2.511	.405		.500	.438
MS21259-8RH	.562	.150	.250 (1/4)	7000	.5000 (1/2)-20	.563	.500	2.761	.467		.562	.500
MS21259-9RH	.625	.175	.281 (9/32)	8000	.5625 (9/16)-18	.635	.563	3.011	.529		.625	.563
MS21259-10RH	.688	.200	.312 (5/16)	9800	.6250 (5/8)-18	.781	.688	4.011	.592		.688	.625
MS21259-11RH	.750	.225	.375 (3/8)	14400	.7500 (3/4)-16	.844	.750	4.698	.717	+.033 -.005	.750	.688
MS21259-12RH	.812	.250	.437 (7/16)	17600	.8750 (7/8)-14	1.109	.875	5.011	.842		.812	.750
MS21259-13RH	.875	.275	.500 (1/2)	22800			1.000	5.511			.875	.812
MS21259-14RH	.938	.300	.562 (9/16)	28500			1.250	6.511			.938	.875
MS21259-15RH	1.000	.325	.625 (5/8)	35000			1.500	8.229			1.000	.938
MS21259-16RH	1.063	.350	.750 (3/4)	49600			1.750	10.000			1.063	1.000
MS21259-17RH	1.125	.375	.875 (7/8)	65500			2.000	11.812			1.125	1.063
MS21259-18RH	1.188	.400	1.000 (1)	85400			2.250	13.625			1.188	1.125
MS21259-19RH	1.250	.425					2.500	15.438			1.250	1.188
MS21259-20RH	1.313	.450					2.750	17.250			1.313	1.250
MS21259-21RH	1.375	.475					3.000	19.063			1.375	1.313
MS21259-22RH	1.438	.500					3.250	20.875			1.438	1.375
MS21259-23RH	1.500	.525					3.500	22.688			1.500	1.438
MS21259-24RH	1.563	.550					3.750	24.500			1.563	1.500
MS21259-25RH	1.625	.575					4.000	26.313			1.625	1.563
MS21259-26RH	1.688	.600					4.250	28.125			1.688	1.625
MS21259-27RH	1.750	.625					4.500	30.000			1.750	1.688
MS21259-28RH	1.812	.650					4.750	31.813			1.812	1.750
MS21259-29RH	1.875	.675					5.000	33.625			1.875	1.812
MS21259-30RH	1.938	.700					5.250	35.438			1.938	1.875
MS21259-31RH	2.000	.725					5.500	37.250			2.000	1.938
MS21259-32RH	2.063	.750					5.750	39.063			2.063	1.938
MS21259-33RH	2.125	.775					6.000	40.875			2.125	2.000
MS21259-34RH	2.188	.800					6.250	42.688			2.188	2.063
MS21259-35RH	2.250	.825					6.500	44.500			2.250	2.125
MS21259-36RH	2.313	.850					6.750	46.313			2.313	2.188
MS21259-37RH	2.375	.875					7.000	48.125			2.375	2.250
MS21259-38RH	2.438	.900					7.250	50.000			2.438	2.313
MS21259-39RH	2.500	.925					7.500	51.813			2.500	2.375
MS21259-40RH	2.563	.950					7.750	53.625			2.563	2.438
MS21259-41RH	2.625	.975					8.000	55.438			2.625	2.500
MS21259-42RH	2.688	1.000					8.250	57.250			2.688	2.563
MS21259-43RH	2.750	1.025					8.500	59.063			2.750	2.625
MS21259-44RH	2.812	1.050					8.750	60.875			2.812	2.688
MS21259-45RH	2.875	1.075					9.000	62.688			2.875	2.750
MS21259-46RH	2.938	1.100					9.250	64.500			2.938	2.812
MS21259-47RH	3.000	1.125					9.500	66.313			3.000	2.875
MS21259-48RH	3.063	1.150					9.750	68.125			3.063	2.938
MS21259-49RH	3.125	1.175					10.000	70.000			3.125	3.000
MS21259-50RH	3.188	1.200					10.250	71.813			3.188	3.063
MS21259-51RH	3.250	1.225					10.500	73.625			3.250	3.125
MS21259-52RH	3.313	1.250					10.750	75.438			3.313	3.188
MS21259-53RH	3.375	1.275					11.000	77.250			3.375	3.250
MS21259-54RH	3.438	1.300					11.250	79.063			3.438	3.313
MS21259-55RH	3.500	1.325					11.500	80.875			3.500	3.375
MS21259-56RH	3.563	1.350					11.750	82.688			3.563	3.438
MS21259-57RH	3.625	1.375					12.000	84.500			3.625	3.500
MS21259-58RH	3.688	1.400					12.250	86.313			3.688	3.563
MS21259-59RH	3.750	1.425					12.500	88.125			3.750	3.625
MS21259-60RH	3.812	1.450					12.750	90.000			3.812	3.688
MS21259-61RH	3.875	1.475					13.000	91.813			3.875	3.750
MS21259-62RH	3.938	1.500					13.250	93.625			3.938	3.812
MS21259-63RH	4.000	1.525					13.500	95.438			4.000	3.875
MS21259-64RH	4.063	1.550					13.750	97.250			4.063	3.938
MS21259-65RH	4.125	1.575					14.000	99.063			4.125	4.000
MS21259-66RH	4.188	1.600					14.250	100.875			4.188	4.063
MS21259-67RH	4.250	1.625					14.500	102.688			4.250	4.125
MS21259-68RH	4.313	1.650					14.750	104.500			4.313	4.188
MS21259-69RH	4.375	1.675					15.000	106.313			4.375	4.250
MS21259-70RH	4.438	1.700					15.250	108.125			4.438	4.313
MS21259-71RH	4.500	1.725					15.500	110.000			4.500	4.375
MS21259-72RH	4.563	1.750					15.750	111.813			4.563	4.438
MS21259-73RH	4.625	1.775					16.000	113.625			4.625	4.500
MS21259-74RH	4.688	1.800					16.250	115.438			4.688	4.563
MS21259-75RH	4.750	1.825					16.500	117.250			4.750	4.625
MS21259-76RH	4.812	1.850					16.750	119.063			4.812	4.688
MS21259-77RH	4.875	1.875					17.000	120.875			4.875	4.750
MS21259-78RH	4.938	1.900					17.250	122.688			4.938	4.812
MS21259-79RH	5.000	1.925					17.500	124.500			5.000	4.875
MS21259-80RH	5.063	1.950					17.750	126.313			5.063	4.938
MS21259-81RH	5.125	1.975					18.000	128.125			5.125	5.000
MS21259-82RH	5.188	2.000					18.250	130.000			5.188	5.063
MS21259-83RH	5.250	2.025					18.500	131.813			5.250	5.125
MS21259-84RH	5.313	2.050					18.750	133.625			5.313	5.188
MS21259-85RH	5.375	2.075					19.000	135.438			5.375	5.250
MS21259-86RH	5.438	2.100					19.250	137.250			5.438	5.313
MS21259-87RH	5.500	2.125					19.500	139.063			5.500	5.375
MS21259-88RH	5.563	2.150					19.750	140.875			5.563	5.438
MS21259-89RH	5.625	2.175					20.000	142.688			5.625	5.500
MS21259-90RH	5.688	2.200					20.250	144.500			5.688	5.563
MS21259-91RH	5.750	2.225					20.500	146.313			5.750	5.625
MS21259-92RH	5.812	2.250					20.750	148.125			5.812	5.688
MS21259-93RH	5.875	2.275					21.000	150.000			5.875	5.750
MS21259-94RH	5.938	2.300					21.250	151.813			5.938	5.812
MS21259-95RH	6.000	2.325					21.500	153.625			6.000	5.875
MS21259-96RH	6.063	2.350					21.750	155.438			6.063	5.938
MS21259-97RH	6.125	2.375					22.000	157.250			6.125	6.000
MS21259-98RH	6.188	2.400					22.250	159.063			6.188	6.063
MS21259-99RH	6.250	2.425					22.500	160.875			6.250	6.125
MS21259-100RH	6.313	2.450					22.750	162.688			6.313	6.188
MS21259-101RH	6.375	2.475					23.000	164.500			6.375	6.250
MS21259-102RH	6.438	2.500					23.250	166.313			6.438	6.313
MS21259-103RH	6.500	2.525					23.500	168.125			6.500	6.375
MS21259-104RH	6.563	2.550					23.750	170.000			6.563	6.438
MS21259-105RH	6.625	2.575					24.000	171.813			6.625	6.500
MS21259-106RH	6.688	2.600					24.250	173.625			6.688	6.563
MS21259-107RH	6.750	2.625					24.500	175.438			6.750	6.625
MS21259-108RH	6.812	2.650					24.750	177.250			6.812	6.688
MS21259-109RH	6.875	2.675					25.000	179.063			6.875	6.750
MS21259-110RH	6											

## MS21259E

## REQUIREMENTS:

1. Material: Steel, corrosion resistant, steel 303Se (UNS S30323) or 304 (UNS S30400).
2. Finish: In accordance with MIL-DTL-781.
3. Threads: Threads in accordance with FED-STD-H28/20.
4. Swage: In accordance with specification MIL-DTL-6117
5. Tolerance: Unless otherwise specified, tolerances: decimals  $\pm .010$ , angles  $\pm 3^\circ$ .

## NOTES:

1. Dimensions are in inches
2. Remove all burrs and sharp edges.
3. Interpret drawing in accordance with ASME Y14.5M.
4. These terminals are not to be used with turnbuckle barrels.
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 referenced documents are those in effect at the time of solicitation.
7. Interchangeability relationship: MS21259 parts can universally replace the canceled AN666 parts identified by the same dash number; but the canceled AN666 parts cannot replace the superseding MS21259 parts. MS21259 corrosion resistant steel parts can universally replace the canceled carbon and alloy steel parts identified by the same dash number.

## MILITARY INTEREST

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

Preparing Activity:  
DLA-IS  
(Project 4030-0277)

Review activities:  
Navy - MC