

INCH-POUND

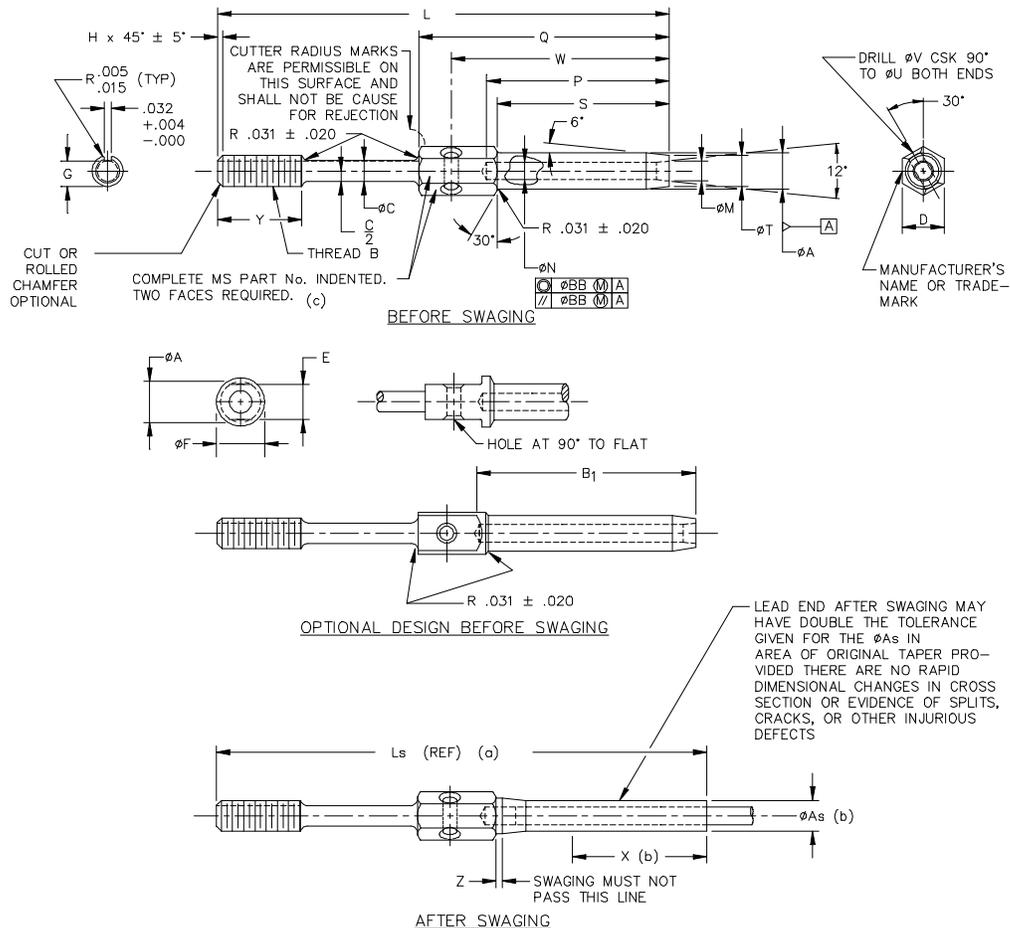
MS21260J
 22 FEBRUARY 1999
 Superseding
 MS21260H
 15 August 1997

MILITARY SPECIFICATION SHEET

TERMINAL, WIRE ROPE, STUD

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.



- (a) Reference dimensions are for design purposes only and are not an inspection requirement.
 (b) Swaged terminals shall conform to 'ØAs' for length X.
 (c) For terminal sizes -2 thru -5 use basic part number only, example: MS21260.

(J) Denotes change(s)

MS21260J

MS PART NUMBER	CORROSION RESISTANT STEEL RH THREAD	NOM. CABLE DIA. REF	MIN. BREAKING STRENGTH H LB	THREAD B UN-3A UNF-3A	ØA	ØAs	B ₁	ØC +.006 -0.00	E +.000 -.010	D	ØF +.010 -.000	G		H	
												MAX	MIN	MAX	MIN
MS21260-2RH	MS21260-2RH	.062 (1/16)	480	.1380 (#6)-40	.160	.138	1.042	.092	.156	.188	.188	.1139	.1094	.031	
MS21260-2RH	MS21260-2RH	.093 (3/32)	920	.1900 (#10)-32	.218	.190	1.261	.133	.187	.250	.250	.1638	.1588		
MS21260-3RH	MS21260-3RH	.125 (1/8)	2000	.2500 (1/4)-28	.250	.219	1.511	.195	.250	.313	.313	.2224	.2152	.047	.015
MS21260-4RH	MS21260-4RH	.156 (5/32)	2800		.297	.250	1.761	.245	.375	.375	.375	.2838	.2754		
MS21260-5RH	MS21260-5RH	.187 (3/16)	4200	.3125 (5/16)-24	.359	.313	2.011	.306	.438	.438	.438	.3454	.3378		
MS21260-6RH	MS21260-6RH	.218 (7/32)	5600	.3750 (3/8)-24	.427	.375	2.261	.351	.500	.500	.500	.4052	.4072		
MS21260-7RH	MS21260-7RH	.250 (1/4)	7000	.4375 (7/16)-20	.494	.438	2.511	.406	.688	.625	.625	.4678	.4597		
MS21260-8RH	MS21260-8RH	.281 (9/32)	8000	.5000 (1/2)-20	.563	.500	2.761	.476	.750	.688	.750	.5285	.5201		
MS21260-9RH	MS21260-9RH	.312 (5/16)	9800	.5625 (9/16)-18	.635	.563	3.011	.538	.812	.812	.812	.5909	.5826	.063	.031
MS21260-10RH	MS21260-10RH	.375 (3/8)	14400	.6250 (5/8)-18	.703	.625	3.511	.654	1.000	.875	.875	.7137	.7050	.078	.048
MS21260-11RH	MS21260-11RH	.437 (7/16)	17600	.7500 (3/4)-16	.844	.750	4.011	.768	1.125	1.000	1.000	.8558	.8266		
MS21260-12RH	MS21260-12RH	.500 (1/2)	22800	.8750 (7/8)-14	1.109	1.000	5.511	.893	1.438	1.125	1.438	.9608	.9516		
MS21260-13RH	MS21260-13RH	.562 (9/16)	28500	1.0000 (1)-12	1.359	1.250	6.511	1.002	1.625	1.438	1.625	1.0819	1.0772	.094	.062
MS21260-14RH	MS21260-14RH	.625 (5/8)	35000	1.1250 (1 1/8)-12	1.593	1.437	7.166	1.128	1.875	1.625	1.812	1.2069	1.1972		
MS21260-15RH	MS21260-15RH	.750 (3/4)	49600	1.2500 (1 1/4)-12	1.812	1.625	8.229								
MS21260-16RH	MS21260-16RH	.875 (7/8)	66500												
MS21260-17RH	MS21260-17RH	1.000 (1)	85400												

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DASH NUM (SIZE)	L +/- .063	L ₁ REF	ØM	ØN	P	Q +.031 -.016	S +.062 -.000	ØT	ØU REF	ØV ±.005	W ±.016	X MIN	Y ±.047 (b)	Z MIN	ØBB
L2	3.491	3.67	.090	.078	1.042	1.319	.969	.138	.094	.063	1.174	.70	.375		
S2	2.616	2.79		.109	1.261	1.581	1.188	.190			1.411	.80	.500		
L3	3.738	3.86	.119			1.363	1.438	.219			1.682	1.05	.563		
S3	2.863	2.98		.141	1.511	2.157	1.688	.250			1.958	1.29	.625		
L4	4.020	4.28	.154			2.257	1.938	.313			2.237	1.31	.750	.03	
S4	3.145	3.40		.172	1.761	2.757	2.188	.375	.125		2.518	1.55	.875		
L5	4.314	4.66	.188			3.061	2.438	.438			2.784	1.70	1.000		
S5	3.439	3.78		.203	2.011	3.185	2.688	.500			3.076	1.89	1.000		
L6	4.612	4.78	.223			3.718	2.938	.563			3.326	2.06	1.000		
S6	3.737	3.90		.234	2.281	4.281	3.438	.625			4.375	3.57	1.250		
-7	4.914	5.21	.257			4.812	3.938	.688			5.093	4.31	1.500		
-8	5.218	5.52	.291			5.562	4.625	.750			5.468	4.51	1.500		
-9	5.542	5.90	.326			6.000	4.938	.875			6.093	5.04	1.750		
-10	5.875	6.30	.360			6.750	5.438	1.000			7.188	5.80	2.000		
-12	6.608	7.01	.430			7.938	6.438	1.250			7.846	6.31	2.000		
-14	7.468	7.94	.514			8.601	7.094	1.437			9.000	7.26	2.250		
-16	8.718	9.28	.584			9.844	8.156	1.625							
-18	9.188	9.78	.653												
-20	10.469	11.16	.722												
-24	12.188	12.76	.860												
-28	12.851	13.61	1.013												
-32	14.624	15.53	1.151												

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

(b) Includes last full thread engagement.

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MS21260J

REQUIREMENTS:

- ① 1. Material: In accordance with MIL-DTL-781.
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-T-6117.
5. Tolerance: Unless otherwise specified, tolerances: decimals $\pm .010$, angles $\pm 3^\circ$.

NOTES:

1. Dimensions in inches,
2. Remove all burrs and sharp edges.
3. Interpret drawing in accordance with ASME Y14.5M.
4. In the event of a conflict between the text of this document and the references cited herein the text of this document takes precedence..
5. Unless otherwise specified, issues of reference documents are those in effect at the time of solicitation..
6. Interchangeability relationship: MS21260 parts can universally replace the canceled AN669 and NAS650 parts identified by the same dash number; but the canceled AN669 and NAS650 parts cannot replace the superseding MS21260 parts. MS21260 corrosion resistant steel parts can universally replace the canceled carbon and alloy steel parts identified by the same dash number.
- ① 7. Carbon and alloy steel parts are inactive for new design.

MILITARY INTEREST

Custodians:

Navy - AS
 Army - AR
 Air Force - 99

Review activities:

Army – CR4
 Navy – MC
 Air Force – 82
 DLA - IS

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Preparing Activity:
 DLA- GS

(PROJECT: 1560-0247)