



**MS21260M**  
w/Amendment 2

**TABLE I. Dash numbers and dimensions.**

Dash number		Wire rope diameter		Minimum breaking strength lb <u>1</u> /	Thread B UN-3A UNF-3A	ØA		ØAs	
		Nominal reference	Minimum						
RH thread	LH thread								
L2RH	L2LH	1/16	0.062	480	0.1380 (# 6)-40	0.160	+0.000 -0.005	0.138	+0.000 -0.005
S2RH	S2LH							0.190	
L3RH	L3LH							3/32	
S3RH	S3LH	0.250							
L4RH	L4LH	1/8	0.125	2000	0.2500 (1/4)-28	0.250			
S4RH	S4LH							0.313	
L5RH	L5LH							5/32	0.156
S5RH	S5LH	0.438							
L6RH	L6LH	3/16	0.187	4200	0.4375 (7/16)-20	0.563			
S6RH	S6LH							0.563	
-7RH	-7LH							7/32	0.218
-8RH	-8LH	1/4	0.250	7000	0.5625 (9/16)-18	0.703		0.688	+0.000 -0.008
-9RH	-9LH	9/32	0.281	8000	0.6250 (5/8)-18	0.781		0.750	+0.000 -0.009
-10RH	-10LH	5/16	0.312	9800	0.6250 (5/8)-18	0.844		0.875	+0.000 -0.010
-12RH	-12LH	3/8	0.375	14400	0.7500 (3/4)-16	0.984		1.000	+0.000 -0.010
-14RH	-14LH	7/16	0.437	17600	0.8750 (7/8)-14	1.109	1.250	+0.000 -0.012	
-16RH	-16LH	1/2	0.500	22800	1.0000 (1)-12	1.359	1.437	+0.000 -0.012	
-18RH	-18LH	9/16	0.562	28500	1.1250 (1 1/8)-12	1.593	1.625		
-20RH	-20LH	5/8	0.625	35000	1.2500 (1 1/4)-12	1.812			
-24RH	-24LH	3/4	0.750	49600	1.3750 (1 3/8)-12	2.091			
-28RH	-28LH	7/8	0.875	66500	1.5000 (1 1/2)-12	2.362			
-32RH	-32LH	1	1.000	85400	1.6250 (1 3/4)-12	2.642			

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		B <sub>1</sub>		ØC +0.006 -0.000	D	E	ØF	G		H							
RH thread	LH thread							Maximum	Minimum	Maximum	Minimum						
L2RH	L2LH	1.042	±0.063	0.092	0.188	0.156	0.188.	0.1139	0.1094	0.031	0.015						
S2RH	S2LH																
L3RH	L3LH											1.261	0.133	0.250	0.187	0.250	0.1638
S3RH	S3LH																
L4RH	L4LH	1.511		0.195	0.313	0.250	0.313	0.2224	0.2152								
S4RH	S4LH																
L5RH	L5LH									1.761		0.245	0.375	0.312	0.375	0.2830	0.2754
S5RH	S5LH																
L6RH	L6LH	2.011		0.306	0.438	0.375	0.438	0.3454	0.3378								
S6RH	S6LH																
-7RH	-7LH									2.261		0.361	0.625	0.563	0.625	0.4052	0.4072
-8RH	-8LH	2.511		0.406	0.688	0.625	0.688	0.4678	0.4597								
-9RH	-9LH																
-10RH	-10LH									3.011		0.538	0.812	0.750	0.812	0.5909	0.5826
-12RH	-12LH	3.511		0.654	1.000	0.875	1.000	0.7137	0.7050								
-14RH	-14LH																
-16RH	-16LH									4.698		0.893	1.438	1.125	1.438	0.9608	0.9516
-18RH	-18LH	5.011		1.002	1.625	1.438	1.625	1.0819	1.0772								
-20RH	-20LH																
-24RH	-24LH									6.511		1.250	2.000	1.875	2.000	1.3750	1.3663
-28RH	-28LH	7.166		1.375	2.250	2.000	2.250	1.5000	1.4907								
-32RH	-32LH		8.229								1.500						
-36RH	-36LH									9.292		1.625	2.750	2.500	2.750	1.7500	1.7397
-40RH	-40LH	10.355		1.750	3.000	2.750	3.000	1.8750	1.8647								
-44RH	-44LH		11.418								1.875						
-48RH	-48LH									12.481		2.000	3.500	3.250	3.500	2.1250	2.1147
-52RH	-52LH	13.544		2.125	3.750	3.500	3.750	2.2500	2.2397								
-56RH	-56LH		14.607								2.250						
-60RH	-60LH									15.670		2.375	4.250	4.000	4.250	2.5000	2.4897
-64RH	-64LH	16.733		2.500	4.500	4.250	4.500	2.6250	2.6147								
-68RH	-68LH		17.796								2.625						
-72RH	-72LH									18.859		2.750	5.000	4.750	5.000	2.8750	2.8647
-76RH	-76LH	19.922		2.875	5.250	5.000	5.250	3.0000	2.9897								
-80RH	-80LH		20.985								3.000						
-84RH	-80LH									22.048		3.125	5.750	5.500	5.750	3.2500	3.2397
-88RH	-84LH	23.111		3.250	6.000	5.750	6.000	3.3750	3.3647								
-92RH	-88LH		24.174								3.375						
-96RH	-92LH									25.237		3.500	6.500	6.250	6.500	3.6250	3.6147
-100RH	-96LH	26.300		3.625	6.750	6.500	6.750	3.7500	3.7397								
-104RH	-100LH		27.363								3.750						
-108RH	-104LH									28.426		3.875	7.250	7.000	7.250	4.0000	3.9897
-112RH	-108LH	29.489		4.000	7.500	7.250	7.500	4.1250	4.1147								
-116RH	-112LH		30.552								4.125						
-120RH	-116LH									31.615		4.250	8.000	7.750	8.000	4.3750	4.3647
-124RH	-120LH	32.678		4.375	8.250	8.000	8.250	4.5000	4.4897								
-128RH	-124LH		33.741								4.500						
-132RH	-128LH									34.804		4.625	8.750	8.500	8.750	4.7500	4.7397
-136RH	-132LH	35.867		4.750	9.000	8.750	9.000	4.8750	4.8647								
-140RH	-136LH		36.930								4.875						
-144RH	-140LH									37.993		5.000	9.500	9.250	9.500	5.1250	5.1147
-148RH	-144LH	39.056		5.125	9.750	9.500	9.750	5.2500	5.2397								
-152RH	-148LH		40.119								5.250						
-156RH	-152LH									41.182		5.375	10.250	10.000	10.250	5.5000	5.4897
-160RH	-156LH	42.245		5.500	10.500	10.250	10.500	5.6250	5.6147								
-164RH	-160LH		43.308								5.625						
-168RH	-164LH									44.371		5.750	11.000	10.750	11.000	5.8750	5.8647
-172RH	-168LH	45.434		5.875	11.250	11.000	11.250	6.0000	5.9897								
-176RH	-172LH		46.497								6.000						
-180RH	-176LH									47.560		6.125	11.750	11.500	11.750	6.2500	6.2397
-184RH	-180LH	48.623		6.250	12.000	11.750	12.000	6.3750	6.3647								
-188RH	-184LH		49.686								6.375						
-192RH	-188LH									50.749		6.500	12.500	12.250	12.500	6.6250	6.6147
-196RH	-192LH	51.812		6.625	12.750	12.500	12.750	6.7500	6.7397								
-200RH	-196LH		52.875								6.750						
-204RH	-200LH									53.938		6.875	13.250	13.000	13.250	7.0000	6.9897
-208RH	-204LH	54.999		7.000	13.500	13.250	13.500	7.1250	7.1147								
-212RH	-208LH		56.062								7.125						
-216RH	-212LH									57.125		7.250	14.000	13.750	14.000	7.3750	7.3647
-220RH	-216LH	58.188		7.375	14.250	14.000	14.250	7.5000	7.4897								
-224RH	-220LH		59.251								7.500						
-228RH	-224LH									60.314		7.625	14.750	14.500	14.750	7.7500	7.7397
-232RH	-228LH	61.377		7.750	15.000	14.750	15.000	7.8750	7.8647								
-236RH	-232LH		62.440								7.875						
-240RH	-236LH									63.503		8.000	15.500	15.250	15.500	8.1250	8.1147
-244RH	-240LH	64.566		8.125	15.750	15.500	15.750	8.2500	8.2397								
-248RH	-244LH		65.629								8.250						
-252RH	-248LH									66.692		8.375	16.250	16.000	16.250	8.5000	8.4897
-256RH	-252LH	67.755		8.500	16.500	16.250	16.500	8.6250	8.6147								
-260RH	-256LH		68.818								8.625						
-264RH	-260LH									69.881		8.750	17.000	16.750	17.000	8.8750	8.8647
-268RH	-264LH	70.944		8.875	17.250	17.000	17.250	9.0000	8.9897								
-272RH	-268LH		72.007								9.000						
-276RH	-272LH									73.070		9.125	17.750	17.500	17.750	9.2500	9.2397
-280RH	-276LH	74.133		9.250	18.000	17.750	18.000	9.3750	9.3647								
-284RH	-280LH		75.196								9.375						
-288RH	-284LH									76.259		9.500	18.500	18.250	18.500	9.6250	9.6147
-292RH	-288LH	77.322		9.625	18.750	18.500	18.750	9.7500	9.7397								
-296RH	-292LH		78.385								9.750						
-300RH	-296LH									79.448		9.875	19.250	19.000	19.250	10.0000	9.9897
-304RH	-300LH	80.511		10.000	19.500	19.250	19.500	10.1250	10.1147								
-308RH	-304LH		81.574								10.125						
-312RH	-308LH									82.637		10.250	20.000	19.750	20.000	10.3750	10.3647
-316RH	-312LH	83.700		10.375	20.250	20.000	20.250	10.5000	10.4897								
-320RH	-316LH		84.763								10.500						
-324RH	-320LH									85.826		10.625	20.750	20.500	20.750	10.7500	10.7397
-328RH	-324LH	86.889		10.750	21.000	20.750	21.000	10.8750	10.8647								
-332RH	-328LH		87.952								10.875						
-336RH	-332LH									89.015		11.000	21.500	21.250	21.500	11.1250	11.1147
-340RH	-336LH	90.078		11.125	21.750	21.500	21.750	11.2500	11.2397								
-344RH	-340LH		91.141								11.250						
-348RH	-344LH									92.204		11.375	22.250	22.000	22.250	11.5000	11.4897
-352RH	-348LH	93.267		11.500	22.500	22.250	22.500	11.6250	11.6147								
-356RH	-352LH		94.330								11.625						
-360RH	-356LH									95.393		11.750	23.000	22.750	23.000	11.8750	11.8647
-364RH	-360LH	96.456		11.875	23.250	23.000	23.250	12.0000	11.9897								
-368RH	-364LH		97.519								12.000						
-372RH	-368LH									98.582		12.125	23.750	23.500	23.750	12.2500	12.2397
-376RH	-372LH	99.645		12.													

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TABLE I. Dash numbers and dimensions - Continued.

Dash number	L ±0.063	Ls reference	ØM		ØN		P		Q +0.031 -0.016	S +0.062 -0.000	ØT	
L2	3.491	3.67	0.090	+0.010 -0.000	0.078	+0.005 -0.000	1.042	+0.031 -0.000	1.319	0.969	0.138	+0.000 -0.005
S2	2.616	2.79			0.109		1.261		1.581	1.188	0.190	
L3	3.738	3.86	0.119									
S3	2.863	2.98			0.154		1.761		2.157	1.688	0.250	
L4	4.020	4.28	0.188									
S4	3.145	3.40			0.223		2.261		2.757	2.188	0.375	
L5	4.314	4.66	0.234									
S5	3.439	3.78			0.265		2.761		3.385	2.688	0.500	
L6	4.612	4.78	0.297									
S6	3.737	3.90			0.326		3.261		3.511	2.757	2.188	
-7	4.914	5.21	0.257	3.511		3.812		3.061				2.438
-8	5.218	5.52			0.291		3.812		3.385	2.688	0.500	
-9	5.542	5.90	0.326	3.608		3.438		0.625				+0.000 -0.007
-10	5.875	6.30			0.360		3.718		2.938	0.563	+0.000 -0.008	
-12	6.608	7.01	0.430	3.011		3.511		4.281				3.438
-14	7.468	7.94			0.514		4.011		4.812	3.938	0.688	
-16	8.718	9.28	0.584	4.698		5.562		4.625				0.750
-18	9.188	9.78			0.653		5.011		6.000	4.938	0.875	
-20	10.469	11.16	0.722	5.511		6.750		5.438				1.000
-24	12.188	12.76			0.860		6.511		7.938	6.438	1.250	
-28	12.851	13.61	1.013	7.166		8.601		7.094				1.437
-32	14.624	15.53			1.151		8.229		9.844	8.156	1.625	

TABLE I. Dash numbers and dimensions - Continued.

Dash number	ØU reference	ØV ±0.005	W ±0.016	X	Y ±0.047 2/	Z	ØBB	
				Minimum		Minimum		
L2	0.094	0.063	1.174	0.70	0.375	0.03	0.008 (0.016 FIM)	
S2								
L3			1.411	0.80	0.500			
S3								
L4	0.125	0.098	1.682	1.05	0.563			
S4								
L5			1.958	1.29	0.625			
S5								
L6			2.237	1.31	0.750			
S6								
-7			2.518	1.55	0.875			
-8			2.784	1.70				
-9			3.076	1.89	1.000			
-10			3.326	2.06				
-12			3.828	3.12	1.125			
-14			4.375	3.57	1.250			
-16	5.093	4.31						
-18	0.188	0.125	5.468	4.51	1.500		0.010 (0.020 FIM)	
-20			6.093	5.04	1.750			
-24			7.188	5.80	2.000			
-28			7.846	6.31				
-32			9.000	7.26	2.250		0.015 (0.030 FIM)	
							0.020 (0.040 FIM)	

2/ Includes last full thread engagement.

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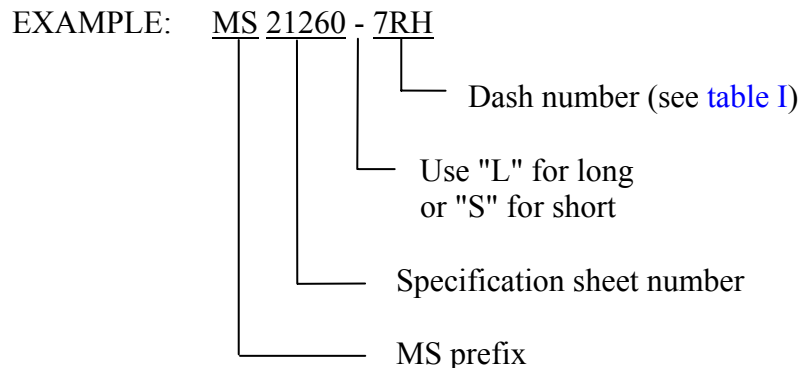
REQUIREMENTS:

1. Material: Material shall be in accordance with MIL-DTL-781
2. Finish: Finish shall be in accordance with MIL-DTL-781.
3. Threads: Threads shall be in accordance with FED-STD-H28/20.
4. Swage: Swage shall be in accordance with MIL-DTL-6117.
5. Tolerances: Unless otherwise specified, tolerances: decimals  $\pm 0.010$ , angles  $\pm 3^\circ$ .

NOTES:

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

1. The part or identifying number (PIN) to be used for terminals acquired to this specification is created as shown below. An "L" in lieu of dash indicates long; an "S" in lieu of a dash indicates short. The two letters following the dash number or letters "L" or "R" indicates direction of thread (left or right hand).



MS21260L2RH Indicates - Terminal, 0.1380 (#6)-40 right hand thread, long.

MS21260-7RH Indicates - Terminal, 0.3750 (3/8)-24 right hand thread.

2. Dimensions are in inches.
3. Remove burrs and sharp edges. (See MIL-DTL-781.)
4. Interpret drawing in accordance with ASME Y14.5M.
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.

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

7. 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.

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

9. Cutter radius mark, which is used as a clip slot alignment indicator, must be present on this surface.

10. Cutter radius marks are permitted on this surface and shall not be cause for rejection.

11. Locking clip slot (dimension G) is optional for sizes -12 and above.

AMENDMENT ANNOTATIONS: The margins of this specification are marked with vertical lines to indicate where modifications from this amendment 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.

Custodians:

Army - AR

Navy - AS

Air Force - 99

Preparing Activity:

DLA - GS5

(Project 1640-2007-002)

Review Activities:

Army - CR4

Navy - MC

Air Force - 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at <http://assist.daps.dla.mil/>.