

MS21260M

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	.062	480	.1380 (# 6)-40	.160	+ .000 - .005	.138	+ .000 - .005
S2RH	S2LH							.190	
L3RH	L3LH							.219	
S3RH	S3LH	3/32	.093	920	.1900 (#10)-32	.218		.250	
L4RH	L4LH							.313	
S4RH	S4LH							.375	
L5RH	L5LH	1/8	.125	2000	.2500 (1/4)-28	.250		.438	+ .000 - .007
S5RH	S5LH							.500	
L6RH	L6LH							.563	
S6RH	S6LH	5/32	.156	2800	.3125 (5/16)-24	.359		.625	
-7RH	-7LH							.688	
-8RH	-8LH							.750	+ .000 - .009
-9RH	-9LH	7/32	.218	5600	.3750 (3/8)-24	.427	+ .000 - .010	.875	
-10RH	-10LH	1/4	.250	7000		.494		1.000	
-12RH	-12LH	9/32	.281	8000		.563		1.250	
-14RH	-14LH	5/16	.312	9800	.5000 (1/2)-20	.635		1.437	+ .000 - .012
-16RH	-16LH	3/8	.375	14400	.5625 (9/16)-18	.703		1.625	
-18RH	-18LH	7/16	.437	17600	.6250 (5/8)-18	.781			
-20RH	-20LH	1/2	.500	22800	.6250 (5/8)-18	.844			
-24RH	-24LH	9/16	.562	28500	.7500 (3/4)-16	.984			
-28RH	-28LH	5/8	.625	35000	.8750 (7/8)-14	1.109			
-32RH	-32LH	3/4	.750	49600	1.0000 (1)-12	1.359	+ .000 - .010		
-36RH	-36LH	7/8	.875	66500	1.1250 (1 1/8)-12	1.593			
-40RH	-40LH	1	1.000	85400	1.2500 (1 1/4)-12	1.812			

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 ₁		ØC +.006 -.000	D	E +.000 -.010	ØF	G		H		
RH thread	RH thread							Maximum	Minimum	Maximum	Minimum	
L2RH	L2LH	1.042	±.063	.092	.188	.156	.188.	.1139	.1094	.031	.015	
S2RH	S2LH											
L3RH	L3LH	1.261		.133	.250	.187	.250	.1638	.1568	.047		
S3RH	S3LH											
L4RH	L4LH	1.511		.195	.313	.250	.313	.2224	.2152			.063
S4RH	S4LH											
L5RH	L5LH	1.761		.245	.375	.312	.375	.2830	.2754		.031	
S5RH	S5LH											
L6RH	L6LH	2.011		.306	.438	.375	.438	.3454	.3378	.048		
S6RH	S6LH											
-7RH	-7LH	2.261		.361	.625	.563	.625	.4052	.4072			.094
-8RH	-8LH	2.511										
-9RH	-9LH	2.761		.406	.688	.625	.688	.4678	.4597		.062	
-10RH	-10LH	3.011		.476	.750	.688	.750	.5285	.5201			
-12RH	-12LH	3.511		.538	.812	.750	.812	.5909	.5826			
-14RH	-14LH	4.011										
-16RH	-16LH	4.698		.654	1.000	.875	1.000	.7137	.7050	.048		
-18RH	-18LH	5.011		.768	1.125	1.000	1.125	.8558	.8266			
-20RH	-20LH	5.511		.893	1.438	1.125	1.438	.9608	.9516		.048	
-24RH	-24LH	6.511		1.002	1.625	1.438	1.625	1.0819	1.0772			
-28RH	-28LH	7.166		1.128	1.875	1.625	1.812	1.2069	1.1972			.062
-32RH	-32LH	8.229										

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TABLE I. Dash numbers and dimensions - Continued.

Dash number	L ±.063	Ls reference	ØM		ØN		P		Q +.031 -.016	S +.062 -.000	ØT	
L2	3.491	3.67	.090	+.010 -.000	.078	+.005 -.000	1.042	+.031 -.000	1.319	.969	.138	+.000 -.005
S2	2.616	2.79			.109		1.261		1.581	1.188	.190	
L3	3.738	3.86	.119				1.511		1.863	1.438	.219	
S3	2.863	2.98			.154		1.761		2.157	1.688	.250	
L4	4.020	4.28	.188				2.011		2.455	1.938	.313	
S4	3.145	3.40			.223		2.261		2.757	2.188	.375	
L5	4.314	4.66	.291				2.511		3.061	2.438	.438	
S5	3.439	3.78			.297		2.761		3.385	2.688	.500	
L6	4.612	4.78	.326				3.011		3.718	2.938	.563	
S6	3.737	3.90			.360		3.511		4.281	3.438	.625	
-7	4.914	5.21	.430	4.011		4.812	3.938	.688				
-8	5.218	5.52		.514	4.698	5.562	4.625	.750				
-9	5.542	5.90	.584		5.011	6.000	4.938	.875				
-10	5.875	6.30		.653	5.511	6.750	5.438	1.000				
-12	6.608	7.01	.722		6.511	7.938	6.438	1.250				
-14	7.468	7.94		.860	7.166	8.601	7.094	1.437				
-16	8.718	9.28	+.015 -.000		8.229	9.844	8.156	1.625				
-18	9.188	9.78		+.012 -.000	9.21	10.46	9.21	10.46				
-20	10.469	11.16	+.010 -.000		10.46	11.16	10.46	11.16				
-24	12.188	12.76		+.015 -.000	12.188	12.76	12.188	12.76				
-28	12.851	13.61	+.015 -.000		12.851	13.61	12.851	13.61				
-32	14.624	15.53		+.015 -.000	14.624	15.53	14.624	15.53				
-36	16.497	17.40	+.015 -.000		16.497	17.40	16.497	17.40				
-40	18.370	19.27		+.015 -.000	18.370	19.27	18.370	19.27				
-44	20.243	21.14	+.015 -.000		20.243	21.14	20.243	21.14				
-48	22.116	23.01		+.015 -.000	22.116	23.01	22.116	23.01				
-52	23.989	24.88	+.015 -.000		23.989	24.88	23.989	24.88				
-56	25.862	26.75		+.015 -.000	25.862	26.75	25.862	26.75				
-60	27.735	28.62	+.015 -.000		27.735	28.62	27.735	28.62				
-64	29.608	30.49		+.015 -.000	29.608	30.49	29.608	30.49				
-68	31.481	32.36	+.015 -.000		31.481	32.36	31.481	32.36				
-72	33.354	34.23		+.015 -.000	33.354	34.23	33.354	34.23				
-76	35.227	36.10	+.015 -.000		35.227	36.10	35.227	36.10				
-80	37.100	37.97		+.015 -.000	37.100	37.97	37.100	37.97				
-84	38.973	39.84	+.015 -.000		38.973	39.84	38.973	39.84				
-88	40.846	41.71		+.015 -.000	40.846	41.71	40.846	41.71				
-92	42.719	43.58	+.015 -.000		42.719	43.58	42.719	43.58				
-96	44.592	45.45		+.015 -.000	44.592	45.45	44.592	45.45				
-100	46.465	47.32	+.015 -.000		46.465	47.32	46.465	47.32				
-104	48.338	49.19		+.015 -.000	48.338	49.19	48.338	49.19				
-108	50.211	51.06	+.015 -.000		50.211	51.06	50.211	51.06				
-112	52.084	52.93		+.015 -.000	52.084	52.93	52.084	52.93				
-116	53.957	54.80	+.015 -.000		53.957	54.80	53.957	54.80				
-120	55.830	56.67		+.015 -.000	55.830	56.67	55.830	56.67				
-124	57.703	58.54	+.015 -.000		57.703	58.54	57.703	58.54				
-128	59.576	60.41		+.015 -.000	59.576	60.41	59.576	60.41				
-132	61.449	62.28	+.015 -.000		61.449	62.28	61.449	62.28				
-136	63.322	64.15		+.015 -.000	63.322	64.15	63.322	64.15				
-140	65.195	66.02	+.015 -.000		65.195	66.02	65.195	66.02				
-144	67.068	67.89		+.015 -.000	67.068	67.89	67.068	67.89				
-148	68.941	69.76	+.015 -.000		68.941	69.76	68.941	69.76				
-152	70.814	71.63		+.015 -.000	70.814	71.63	70.814	71.63				
-156	72.687	73.50	+.015 -.000		72.687	73.50	72.687	73.50				
-160	74.560	75.37		+.015 -.000	74.560	75.37	74.560	75.37				
-164	76.433	77.24	+.015 -.000		76.433	77.24	76.433	77.24				
-168	78.306	79.11		+.015 -.000	78.306	79.11	78.306	79.11				
-172	80.179	80.98	+.015 -.000		80.179	80.98	80.179	80.98				
-176	82.052	82.85		+.015 -.000	82.052	82.85	82.052	82.85				
-180	83.925	84.72	+.015 -.000		83.925	84.72	83.925	84.72				
-184	85.798	86.59		+.015 -.000	85.798	86.59	85.798	86.59				
-188	87.671	88.46	+.015 -.000		87.671	88.46	87.671	88.46				
-192	89.544	90.33		+.015 -.000	89.544	90.33	89.544	90.33				
-196	91.417	92.20	+.015 -.000		91.417	92.20	91.417	92.20				
-200	93.290	94.07		+.015 -.000	93.290	94.07	93.290	94.07				
-204	95.163	95.94	+.015 -.000		95.163	95.94	95.163	95.94				
-208	97.036	97.81		+.015 -.000	97.036	97.81	97.036	97.81				
-212	98.909	99.68	+.015 -.000		98.909	99.68	98.909	99.68				
-216	100.782	101.55		+.015 -.000	100.782	101.55	100.782	101.55				
-220	102.655	103.42	+.015 -.000		102.655	103.42	102.655	103.42				
-224	104.528	105.29		+.015 -.000	104.528	105.29	104.528	105.29				
-228	106.401	107.16	+.015 -.000		106.401	107.16	106.401	107.16				
-232	108.274	109.03		+.015 -.000	108.274	109.03	108.274	109.03				
-236	110.147	110.90	+.015 -.000		110.147	110.90	110.147	110.90				
-240	112.020	112.77		+.015 -.000	112.020	112.77	112.020	112.77				
-244	113.893	114.64	+.015 -.000		113.893	114.64	113.893	114.64				
-248	115.766	116.51		+.015 -.000	115.766	116.51	115.766	116.51				
-252	117.639	118.38	+.015 -.000		117.639	118.38	117.639	118.38				
-256	119.512	120.25		+.015 -.000	119.512	120.25	119.512	120.25				
-260	121.385	122.12	+.015 -.000		121.385	122.12	121.385	122.12				
-264	123.258	123.99		+.015 -.000	123.258	123.99	123.258	123.99				
-268	125.131	125.86	+.015 -.000		125.131	125.86	125.131	125.86				
-272	127.004	127.73		+.015 -.000	127.004	127.73	127.004	127.73				
-276	128.877	129.60	+.015 -.000		128.877	129.60	128.877	129.60				
-280	130.750	131.47		+.015 -.000	130.750	131.47	130.750	131.47				
-284	132.623	133.34	+.015 -.000		132.623	133.34	132.623	133.34				
-288	134.496	135.21		+.015 -.000	134.496	135.21	134.496	135.21				
-292	136.369	137.08	+.015 -.000		136.369	137.08	136.369	137.08				
-296	138.242	138.95		+.015 -.000	138.242	138.95	138.242	138.95				
-300	140.115	140.82	+.015 -.000		140.115	140.82	140.115	140.82				
-304	141.988	142.69		+.015 -.000	141.988	142.69	141.988	142.69				
-308	143.861	144.56	+.015 -.000		143.861	144.56	143.861	144.56				
-312	145.734	146.43		+.015 -.000	145.734	146.43	145.734	146.43				
-316	147.607	148.30	+.015 -.000		147.607	148.30	147.607	148.30				
-320	149.480	150.17		+.015 -.000	149.480	150.17	149.480	150.17				
-324	151.353	152.04	+.015 -.000		151.353	152.04	151.353	152.04				
-328	153.226	153.91		+.015 -.000	153.226	153.91	153.226	153.91				
-332	155.099	155.78	+.015 -.000		155.099	155.78	155.099	155.78				
-336	156.972	157.65		+.015 -.000	156.972	157.65	156.972	157.65				
-340	158.845	159.52	+.015 -.000		158.845	159.52	158.845	159.52				
-344	160.718	161.39		+.015 -.000	160.718	161.39	160.718	161.39				
-348	162.591	163.26	+.015 -.000		162.591	163.26	162.591	163.26				
-352	164.464	165.13		+.015 -.000	164.464	165.13	164.464	165.13				
-356	166.337	167.00	+.015 -.000		166.337	167.00	166.337	167.00				
-360	168.210	168.87		+.015 -.000	168.210	168.87	168.210	168.87				
-364	170.083	170.74	+.015 -.000		170.083	170.74	170.083	170.74				
-368	171.956	172.61		+.015 -.000	171.956	172.61	171.956	172.61				
-372	173.829	174.48	+.015 -.000		173.829	174.48	173.829	174.48				
-376	175.702	176.35		+.015 -.000	175.702	176.35	175.702	176.35				
-380	177.575	178.22	+.015 -.000		177.575	178.22	177.575	178.22				
-384	179.448	180.09		+.015 -.000	179.448	180.09	179.448	180.09				
-388	181.321	181.96	+.015 -.000		181.321	181.96	181.321	181.96				
-392	183.194	183.83		+.015 -.000	183.194	183.83	183.194	183.83				
-396	185.067	185.70	+.015 -.000		185.067	185.70	185.067	185.70				
-400	186.940	187.57		+.015 -.000	186.940	187.57	186.940	187.57				
-404	188.813	189.44	+.015 -.000		188.813	189.44	188.813	189.44				
-408	190.686	191.31		+.015 -.000	190.686	191.31	190.686	191.31				
-412	192.559	193.18	+.015 -.000		192.559	193.18	192.559	193.18				
-416	194.432	195.05		+.015 -.000	194.432	195.05	194.432	195.05				
-420	196.305	196.92	+.015 -.000		196.305	196.92	196.305	196.92				
-424	198.178	198.79		+.015 -.000	198.178	198.79	198.178	198.79				
-428	200.051	200.66	+.015 -.000		200.051	200.66	200.051	200.66				
-432	201.924	202.53		+.015 -.000	201.924	202.53	201.924	202.53				
-436	203.797	204.40	+.015 -.000		203.797	204.40	203.797	204.40				
-440	205.670	206.27		+.015 -.000	205.670	206.27	205.670	206.27				
-444	207.543	208.14	+.015 -.000		207.543	208.14	207.543	208.14				
-448	209.416	210.01		+.015 -.000	209.416	210.01	209.416	210.01				
-452	211.289	211.88	+.015 -.000		211.289	211.88	211.289	211.88				
-456	213.162	213.75		+.015 -.000	213.162	213.75	213.162	213.75				
-460	215.035	215.62	+.015 -.000		215.035	215.62	215.035	215.62				
-464	216.908	217.49		+.015 -.000	216.908	217.49						

TABLE I. Dash numbers and dimensions - Continued.

Dash number	ØU reference	ØV ±.005	W ±.016	X	Y ±.047 2/	Z	ØBB	
				Minimum		Minimum		
L2	.094	.063	1.174	.70	.375	.03	.008 (.016 FIM)	
S2								
L3			1.411	.80	.500			
S3								
L4	.125	.098	1.682	1.05	.563			
S4			1.958	1.29	.625			
L5								
S5			2.237	1.31	.750			
L6								
S6			2.518	1.55	.875			
-7			2.784	1.70				
-8			3.076	1.89	1.000			
-9			3.326	2.06				
-10			3.828	3.12	1.125			
-12			4.375	3.57	1.250		.010 (.020 FIM)	
-14								
-16	.188	.125	5.093	4.31				
-18			5.468	4.51	1.500			
-20			6.093	5.04	1.750		.015 (.030 FIM)	
-24			7.188	5.80	2.000			
-28			7.846	6.31				.020 (.040 FIM)
-32			9.000	7.26	2.250			

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 $\pm .010$, angles $\pm 3^\circ$.

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. 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).

EXAMPLE: MS 21260 - 7RH

Dash number

Use "L" for long
or "S" for short

Specification sheet number

MS prefix

MS21260L2RH Indicates - Terminal, .1380 (#6)-40 right hand thread, long.
MS21260-7RH Indicates- Terminal, .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.
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

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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.

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 - AR
Navy - AS
Air Force - 99

Preparing activity:

DLA - GS5

(Project 1560-0011)

Reviewers:

Army - CR4
Navy - MC
Air Force - 71