

TABLE I. DASH NUMBERS

DASH NO	A	SUFFIX 1/	GRADE 2/	DASH NO	A	SUFFIX 1/	GRADE 2/
001	.015	8	A	091	.172	9	A
003	.015	9	C	093	.188	9	C
005	.015	10	A	095	.188	8	A
007	.031	8	A	097	.188	10	C
009	.031	9	C	099	.188	10	A
011	.031	10	C	101	.188	12	C
013	.031	12	A	103	.188	12	A
015	.046	8	A	105	.203	8	A
017	.046	9	C	107	.203	9	A
019	.046	10	C	109	.203	10	A
021	.046	12	A	111	.203	10	C
023	.062	8	A	113	.203	12	A
025	.062	9	C	115	.219	10	A
027	.062	10	A	117	.219	10	C
029	.062	12	C	119	.219	8	A
031	.078	8	A	121	.219	12	A
033	.078	9	A	123	.219	9	A
035	.078	10	C	125	.234	8	A
037	.078	12	A	127	.234	10	C
039	.094	8	A	129	.234	10	A
041	.094	9	A	131	.234	12	A
043	.094	10	A	133	.234	9	C
045	.094	12	C	135	.250	10	C
047	.109	8	A	137	.250	10	A
049	.109	12	A	139	.250	12	C
051	.109	10	C	141	.266	10	C
053	.109	9	A	143	.266	12	A
055	.125	9	C	145	.281	8	A
057	.125	8	A	147	.281	10	C
059	.125	10	C	149	.281	10	A
061	.125	12	C	151	.281	12	A
063	.125	12	A	153	.297	12	A
065	.141	8	A	155	.312	8	A
067	.141	10	A	157	.312	9	C
069	.141	10	C	159	.312	10	A
071	.141	9	C	161	.312	12	C
073	.141	12	A	163	.312	12	A
075	.156	10	A	165	.328	8	A
077	.156	8	A	167	.328	10	C
079	.156	10	C	169	.328	12	A
081	.156	12	A	171	.344	8	A
083	.156	9	A	173	.344	10	A
085	.172	10	A	175	.344	10	C
087	.172	8	A	177	.344	12	A
089	.172	10	C	179	.359	12	A

1/ SEE REQT 2
2/ SEE REQT 2

USER ACTIVITIES:

REVIEWER ACTIVITIES:
ARMY - AR, EA, MI
AIR FORCE - 84
DLA - IS

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P.A. Other Cust	MR 99	INTERNATIONAL INTEREST	TITLE WIRE, ROUND, NONELECTRICAL, TOOL STEEL, TYPE W1	MILITARY STANDARD MS 52052
PROCUREMENT SPECIFICATION ASTM-A 686		SUPERSEDES:		PAGE 1 OF 2

APPROVED
REVISED
31 JUL 85

REQUIREMENTS:

1. MATERIAL. TOOL STEEL TYPE W1 (UNS T72301), AS SPECIFIED IN PROCUREMENT DOCUMENT.
2. CONDITION.

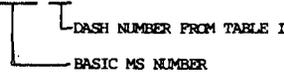
SUFFIX	CARBON RANGE OF
8	.8 - .9
9	.9 - 1.0
10	1.0 - 1.1
12	1.2 - 1.3

GRADE A IS REFERRED TO AS EXTRA OR SPECIAL; THE CHEMICAL COMPOSITION IS HELD TO CLOSEST LIMITS FOR CONTROLLED HARDENABILITY - REGULAR HARDENING.

GRADE C IS REFERRED TO AS REGULAR OR STANDARD; IT IS INTENDED FOR APPLICATIONS THAT DO NOT REQUIRE CONTROLLED HARDENABILITY AND WHERE SOME LATITUDE IN UNIFORMITY IS PERMISSIBLE.

3. LENGTH. STANDARD LENGTH OF ROUND WIRE IS 10 FEET MINIMUM, 12 FEET MAXIMUM.
4. FORMING PROCESS. HOT FORMED.
5. FINISH. AS SPECIFIED IN PROCUREMENT DOCUMENT.
6. HEAT TREATMENT. ANNEALED.
7. PART NUMBER. THE PART NUMBER CONSISTS OF THE BASIC MS NUMBER, PLUS A DASH NUMBER FROM TABLE I.

EXAMPLE: MS52052-001



8. MARKING. TOOL STEEL SHALL BE MARKED IN ACCORDANCE WITH FED-STD-183 WITH THE EXCEPTION THAT A PART NUMBER FROM THIS MILITARY STANDARD SHALL BE INCLUDED AS PART OF THE IDENTIFICATION MARKING.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
3. REFERENCED GOVERNMENT (OR NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DoDISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

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