

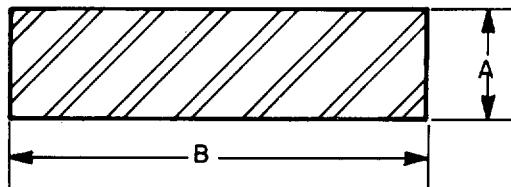
FED. SUP CLASS  
9510

TABLE I. DASH NUMBERS

DASH NO	A	B	SUFFIX <sup>1/</sup>	GRADE <sup>2/</sup>
001	.188	2.500	10	A
003	.188	3.000	10	A
005	.188	3.500	10	A
007	.188	6.000	10	A
009	.250	.500	10	A
011	.250	1.500	12	C
013	.312	.500	10	A
015	.375	.500	10	A
017	.375	2.000	10	A
019	.500	1.000	12	C
021	.500	1.250	10	A
023	.500	1.500	10	A
025	.500	2.000	10	A
027	.500	2.500	12	A
029	.500	4.500	12	A
031	.625	2.000	9	A
033	.750	2.500	12	A
035	.750	3.500	8	A
037	1.000	2.000	9	C
039	1.000	2.500	12	A
041	1.000	3.000	9	A
043	1.250	4.000	9	C
045	1.500	6.000	9	C

<sup>1/</sup> SEE REQ 2  
<sup>2/</sup> SEE REQ 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 <b>BAR, FLAT, TOOL STEEL, TYPE W1</b>	<b>MILITARY STANDARD MS52081</b>
PROCUREMENT SPECIFICATION <b>ASTM-A 686</b>			SUPERSEDES:	PAGE 1 OF 2

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9510-0504

APPROVED  
31 JUL 85  
REVISED

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## REQUIREMENTS:

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

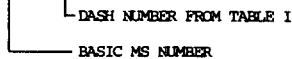
SUFFIX	CARBON RANGE OF
8	.8 - .9
9	.9 - 1.0
10	1.0 - 1.1
12	1.2 - 1.3

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 FLAT BAR 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: MS52081-001



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.

P.A. 100	MR	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust	99		BAR, FLAT, TOOL STEEL, TYPE W1	MS52081
PROCUREMENT SPECIFICATION ASTM-A686		SUPERSEDES:		PAGE 2 OF 2

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