

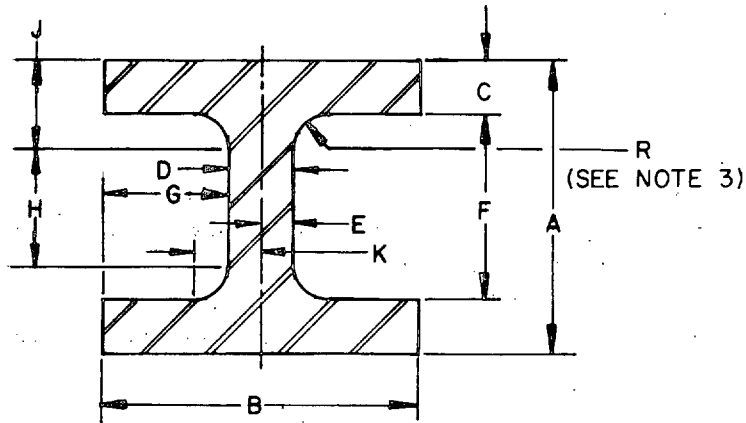
FED. SUP CLASS
9520

TABLE I. DASH NUMBERS.

DASH NO	INDUSTRY DESIGNATOR	DEPTH OF SECTION A	FLANGE WIDTH B	FLANGE THKNS C	WEB THKNS D APPROX	HALF WEB THKNS E APPROX	DISTANCE BETWEEN FLANGES F APPROX	WEB TO END OF FLANGE G APPROX	VERT DISTANCE BETWEEN FLANGES H APPROX	VERT DISTANCE RADIUS TO FLANGE J APPROX	CENTER LINE OF WEB TO RADIUS K APPROX
001	W4 x 13	4.160	4.060	.345	.250	.125	3.500	1.875	2.750	.688	.438
003	W5 x 16	5.010	5.000	.360	.250	.125	4.313	2.375	3.500	.750	.438
005	W5 x 19	5.150	5.030	.430	.250	.125	4.313	2.375	3.500	.813	.438
007	W6 x 9	5.900	3.940	.215	.188	.125	5.500	1.875	4.750	.563	.375
009	W6 x 12	6.030	4.000	.280	.250	.125	5.500	1.875	4.750	.625	.375
011	W6 x 20	6.200	6.020	.365	.250	.125	5.500	2.875	4.750	.750	.438
013	W6 x 25	6.380	6.080	.455	.313	.188	5.500	2.875	4.750	.813	.438
015	W8 x 18	8.140	5.250	.330	.250	.125	7.500	2.500	6.625	.750	.438
017	W8 x 21	8.280	5.270	.400	.250	.125	7.500	2.500	6.625	.813	.500
019	W8 x 28	8.060	6.535	.465	.313	.188	7.125	3.125	6.125	.938	.563
021	W8 x 31	8.000	7.995	.435	.313	.188	7.125	3.875	6.125	.938	.563
023	W8 x 40	8.250	8.070	.560	.375	.188	7.125	3.875	6.125	1.063	.625
025	W10 x 39	9.920	7.985	.530	.313	.188	8.875	3.875	7.625	1.125	.688
027	W10 x 45	10.100	8.020	.620	.375	.188	8.875	3.875	7.625	1.250	.688
029	W12 x 26	12.220	6.490	.380	.250	.125	11.438	3.125	10.500	.875	.500
031	W12 x 30	12.340	6.520	.440	.250	.125	11.438	3.125	10.500	.938	.500
033	W12 x 40	11.940	8.005	.515	.313	.188	10.938	3.875	9.500	1.250	.750
035	W12 x 58	12.190	10.010	.640	.375	.188	10.938	4.875	9.500	1.375	.813
037	W12 x 65	12.120	12.000	.605	.375	.188	10.938	5.750	9.500	1.313	.813
039	W14 x 43	13.660	7.995	.530	.313	.188	12.625	3.875	11.000	1.313	.875
041	W18 x 60	18.240	7.555	.695	.438	.250	16.875	3.625	15.500	1.375	.813

1/SEE NOTE 4

REVISED
APPROVED 29 JAN 85

P.A. Other Cust	YD MR 99	INTERNATIONAL INTEREST	TITLE "W" SHAPES ("H" BEAM), STRUCTURAL STEEL, CARBON, MEDIUM	MILITARY STANDARD MS90508
PROCUREMENT SPECIFICATION ASTM A36			SUPERSEDES:	PAGE 1 OF 2

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9520-0075

USER ACTIVITIES:
NAVY - ASREVIEWER ACTIVITIES:
ARMY - AT, MI
AIR FORCE - 84
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

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NAVY-AS

REVIEWER ACTIVITIES:
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REQUIREMENTS:

1. MATERIAL. STEEL, CARBON, MEDIUM, AS SPECIFIED IN PROCUREMENT DOCUMENT.
2. FORMING PROCESS. "W" SHAPES ("H" BEAM), STRUCTURAL, STEEL, CARBON, MEDIUM, SHALL BE HOT ROLLED.
3. FINISH. AS SPECIFIED IN PROCUREMENT DOCUMENT.
4. HEAT TREATMENT. AS FABRICATED.
5. PART NUMBER. THE PART NUMBER CONSISTS OF THE BASIC MS NUMBER PLUS A DASH NUMBER FROM TABLE I.

EXAMPLE: MS90508-003
 └── DASH NUMBER
 └── BASIC MS NUMBER

MS90508-003 INDICATES - "W" SHAPES ("H" BEAM), STRUCTURAL, STEEL, CARBON, MEDIUM;
INDUSTRY DESIGNATOR W5 x 16

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

NOTES:

1. ALL DIMENSIONS ARE IN INCHES
2. STANDARD LENGTH OF "W" SHAPES IS 10 FEET MINIMUM, 12 FEET MAXIMUM.
3. RADII OF FILLETS AND TOES OF SHAPE PROFILES VARY WITH INDIVIDUAL MANUFACTURERS AND THEREFORE ARE NOT SPECIFIED.
4. COLUMNS "D" THROUGH "K" FOR INFORMATIONAL PURPOSES ONLY.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL EXCEPT THE REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
6. FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

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PROCUREMENT SPECIFICATION ASTM A36			SUPERSEDES:	PAGE 2 OF 2