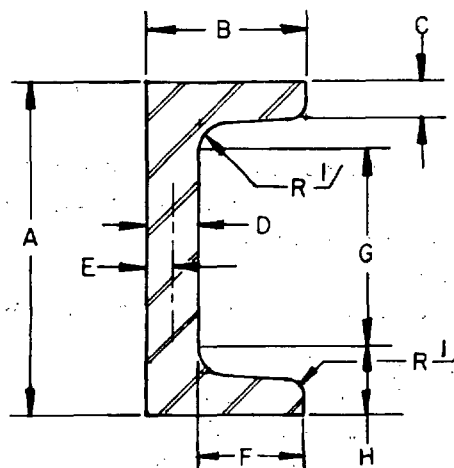


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1/ SEE NOTE 3

TABLE I. DASH NUMBERS.

DASH NO	INDUSTRY DESIGNATOR	DEPTH OF SECTION A	FLANGE WIDTH B	AVG THKNS OF FLANGE C	1/ WEB THKNS D APPROX	1/ HALF WEB THKNS E APPROX	1/ WEB TO END OF FLANGE F APPROX	VERT 1/ DISTANCE BETWEEN RADII G APPROX	VERT 1/ DISTANCE RADIUS TO FLANGE H APPROX
001	C3 x 4.1	3.00	1.410	.273	.188	.063	1.250	1.625	.688
003	C3 x 5	3.00	1.498	.273	.250	.125	1.250	1.625	.688
005	C4 x 5.4	4.00	1.854	.296	.188	.063	1.375	2.625	.688
007	C4 x 7.25	4.00	1.721	.296	.313	.188	1.375	2.625	.688
009	C5 x 6.7	5.00	1.750	.320	.188	.125	1.500	3.500	.750
011	C5 x 9	5.00	1.885	.320	.313	.188	1.500	3.500	.750
013	C6 x 8.2	6.00	1.920	.343	.188	.125	1.750	4.375	.813
015	C6 x 10.5	6.00	2.034	.343	.313	.188	1.750	4.375	.813
017	C6 x 13	6.00	2.157	.343	.438	.188	1.750	4.375	.813
019	C7 x 12.25	7.00	2.194	.366	.313	.188	1.875	5.250	.875
021	C8 x 11.5	8.00	2.260	.390	.250	.125	2.000	6.125	.938
023	C8 x 13.75	8.00	2.343	.390	.313	.125	2.000	6.125	.938
025	C8 x 18.75	8.00	2.527	.390	.500	.250	2.000	6.125	.938
027	C9 x 15	9.00	2.485	.413	.313	.125	2.250	7.125	.938
029	C10 x 20	10.00	2.739	.436	.375	.188	2.375	8.000	1.000
031	C10 x 25	10.00	2.886	.436	.500	.250	2.375	8.000	1.000
033	C12 x 20.7	12.00	2.942	.501	.313	.125	2.625	9.750	1.125
035	C15 x 50	15.00	3.716	.650	.688	.375	3.000	12.125	1.438

1/ SEE NOTE 4

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.

REVIEWER ACTIVITIES:
ARMY - A.T. MI
AIR FORCE - 84
DLA - IS

USER ACTIVITIES:
NAVY - AS

P.A. YD	INTERNATIONAL INTEREST.	TITLE	MILITARY STANDARD
Other Cust MR 99		"C" SHAPES (CHANNEL), STRUCTURAL STEEL, CARBON, MEDIUM	MS 90510
PROCUREMENT SPECIFICATION ASTM A36	SUPERSEDES:	PAGE 1	OF 2

USER ACTIVITIES:
NAVY-AS

REVIEWER 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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REQUIREMENTS:

1. MATERIAL. STEEL, CARBON, MEDIUM, AS SPECIFIED IN PROCUREMENT DOCUMENT.
2. FORMING PROCESS. "C" SHAPES (CHANNEL), 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: MS90510-003

└── DASH NUMBER
└── BASIC MS NUMBER

MS90510-003 INDICATES - "C" SHAPES (CHANNEL), STRUCTURAL STEEL, CARBON, MEDIUM;
INDUSTRY DESIGNATOR C3 x 5

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 SHALL BE INCLUDED AS PART OF THE IDENTIFICATION MARKING.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES
2. STANDARD LENGTH OF "C" 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 "H" 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.

APPROVED 29 JAN 85
REVISED

P.A. Other Cust	YD MR 99	INTERNATIONAL INTEREST	TITLE "C" SHAPES (CHANNEL), STRUCTURAL STEEL, CARBON, MEDIUM	MILITARY STANDARD MS90510
PROCUREMENT SPECIFICATION ASTM A36			SUPERSEDES	PAGE 2 OF 2