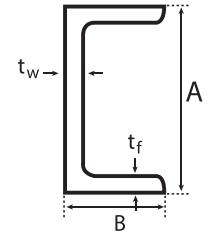


Mechanical Properties	
Yield Limit	3,520 kg/cm ²
Tensile Strength	6320 kg/cm ² min.
Elongation in 200 mm	20.0% min.
Weldability	Good



Product with a U-shaped section, obtained by hot rolling (LAC). Ideal for all structural, general fabrication and repair applications.

Presentation: Bars 6 meters long.

Specifications: ASTM A36, AISI A36

Dimensional Tolerances: ASTM A6

The weight tolerance is -2.5% /+3.0% of the nominal weight.

Permitted Variations in Sectional Dimensions Given, in.						Permitted Variations from Specified Length for Lengths Given in Feet, in.			Positions for Measuring Camber of Shapes	
Section Nominal Sizes, in.	A, Depth		B, Flange Width		T + T Flanges Out of Square	Permitted Variations Over or Under Theoretical Web Thickness for Thicknesses Given in Inches, In.		20 to 30. incl		Permitted Variation, In.
	Over Theoretical	Under Theoretical	Over Theoretical	Under Theoretical		3/16 and under	Over 3/16	Over	Under	
1 1/2 and under	1/32	1/32	1/32	1/32	1/32	0.010	0.015	1 1/2	0	1/4 in. in any 5 f. or 1/4 x (number of feet of total length/5)
Over 1 1/2 to 3, excl	1/16	1/16	1/16	1/16	1/32	0.015	0.020			
3 to 7, incl	3/32	1/16	1/8	1/8	1/32	---	---	1 3/4	0	1/8 x (number of feet of total length/5)
Over 7 to 14, incl	1/8	3/32	1/8	5/32	1/32	---	---			
Over 14	3/16	1/8	1/8	3/16	1/32	---	---			

Size and Weight per Foot		Channel Depth		Flange Width		Web Thickness		Flange Thickness		Theoretical Weight	
inch x lb/ft	mm x lb/ft	A (in.)	A (mm)	B (in.)	B (mm)	tw (in.)	tw (mm)	tf (in.)	tw (mm)	Kg/m	Kg/6m
C2 x 2.58	50mm x 2.58	2.00	50	1.000	25	0.187	4.7	0.187	4.7	3.82	22.92
C3 x 4.10	80mm x 4.10	3.00	75	1.410	35	0.273	6.8	0.273	6.8	6.12	36.72
C3 x 5.0	80mm x 5.0	3.00	75	1.498	37	0.273	6.8	0.273	6.8	7.43	44.58
C4 x 5.4	100mm x 5.4	4.00	100	1.584	40	0.296	7.4	0.296	7.4	8.03	48.18
C4 x 6.25	100mm x 6.25	4.00	100	1.647	41	0.247	6.2	0.296	7.4	9.30	55.8
C4 x 7.25	100mm x 7.25	4.00	100	1.721	43	0.296	7.4	0.296	7.4	10.8	64.8
C5 x 6.7	125mm x 6.7	5.00	125	1.750	44	0.190	4.8	0.320	8.0	10.00	60.00
C5 x 9.0	125mm x 9.0	5.00	125	1.885	47	0.325	8.1	0.320	8.0	13.40	80.4
C5.6 x 8.2	140mm x 8.2	5.60	140	1.920	48	0.200	5.0	0.343	8.6	12.20	73.2
C5.6 x 10.5	140mm x 10.5	5.60	140	2.034	51	0.314	7.9	0.343	8.6	15.63	93.78
C5.6 x 10.5	140mm x 10.5	5.60	140	2.362	60	0.314	7.9	0.343	8.6	15.63	95.46
C5.6 x 13	140mm x 13	5.60	140	2.157	54	0.437	10.9	0.343	8.6	19.35	116.1
C6 x 8.2	150mm x 8.2	6.00	150	2.00	50.8	0.125	3.175	0.125	3.175	5.70	72.93
C6 x 8.2	150mm x 8.2	6.00	150	1.920	48	0.200	5.0	0.343	8.6	12.20	73.2
C6 x 10.5	150mm x 10.5	6.00	150	2.034	51	0.314	7.9	0.343	8.6	15.63	93.78
C6 x 13	150mm x 13	6.00	150	2.157	54	0.437	10.9	0.343	8.6	19.35	116.1
C7 x 9.8	175mm x 9.8	7.00	175	2.090	52	0.210	5.3	0.366	9.2	14.60	87.6
C8 x 11.5	200mm x 11.5	8.00	200	2.260	57	0.220	5.5	0.390	9.8	17.10	102.6
C8 x 13.75	200mm x 13.75	8.00	200	2.343	59	0.303	7.6	0.390	9.8	20.50	123.0
C8 x 18.75	200mm x 18.75	8.00	200	2.527	63	0.487	12.2	0.390	9.8	27.90	167.4
C9 x 13.4	225mm x 13.4	9.00	225	2.430	61	0.230	5.8	0.413	10.3	19.90	119.4
C10 x 15.3	250mm x 15.3	10.00	250	2.600	65	0.240	6.0	0.436	10.9	22.80	136.8
C10 x 20.0	250mm x 20.0	10.00	250	2.739	68	0.379	9.5	0.436	10.9	29.80	178.8
C12 x 20.7	300mm x 20.7	12.00	300	2.940	74	0.280	7.0	0.501	12.5	30.80	184.8
C12 x 25.0	300mm x 25.0	12.00	300	3.047	76	0.387	9.7	0.501	12.5	37.20	223.2
C12 x 30.0	300mm x 30.0	12.00	300	3.170	79	0.510	12.8	0.501	12.5	44.65	267.9
C15 x 33.9	375mm x 33.9	15.00	375	3.400	85	0.400	10.0	0.650	16.3	50.44	302.64

* Note : Dimensions, design and materials are subject to change without notice.

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