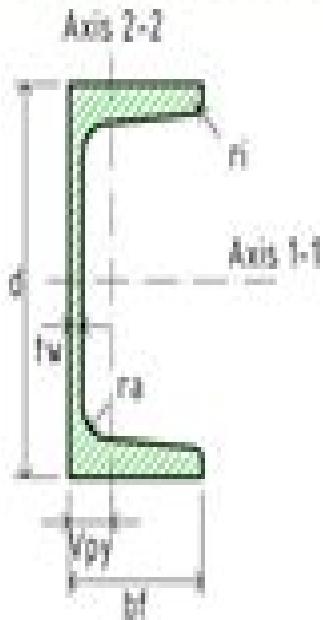
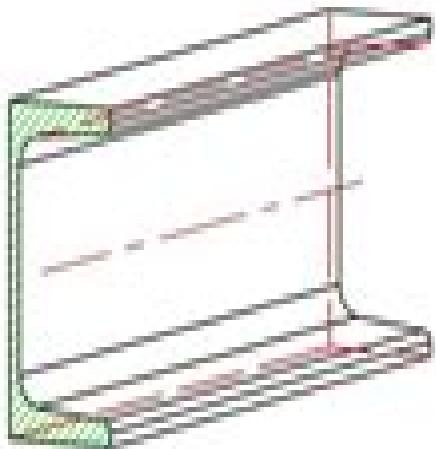


AMERICAN STANDARD CHANNELS (C-SHAPES)



- d = Depth of Section, inches
- bf = Flange Width, inches
- tf = Flange thickness, inches
- tw = Web thickness, inches
- ra, ri = Corner radius, inches
- I_{ly} = Moment of inertia about center of gravity, inches⁴
- S_x, S_y = Section modulus, inches³
- r_x, r_y = Radius of gyration, inches
- V_{py} = Distance from neutral axis to extreme fiber, inches

Section Index	Depth	Weight per Foot	Area	Flange		Web Thickness	Corner Radius	Axis 1-1			Axis 2-2			
				Width	Thickness			I_x	S_x	r_x	I_y	S_y	r_y	V_{py}
				d	bf	(in)	(in)	(in ⁴)	(in ³)	(in)	(in ⁴)	(in ³)	(in)	(in)
C15X50	15	50.00	14.70	3.72	0.650	0.716	0.50	404.00	68.50	5.242	11.00	3.70	0.865	0.799
C15X40	15	40.00	11.80	3.52	0.650	0.520	0.50	348.00	57.50	5.431	9.17	2.23	0.862	0.778
C15X33.9	15	33.90	10.00	3.40	0.650	0.400	0.50	315.00	50.80	5.612	8.07	1.55	0.818	0.788
C12X30	12	30.00	8.81	3.17	0.501	0.510	0.38	182.00	33.80	4.288	5.12	1.69	0.762	0.674
C12X25	12	25.00	7.34	3.05	0.501	0.387	0.38	144.00	29.40	4.429	4.45	1.07	0.779	0.674
C12X20.7	12	20.70	6.08	2.94	0.501	0.282	0.38	129.00	25.60	4.606	3.86	0.74	0.797	0.698

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SA Adler

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Materials Handling Handbook Raymond A. Kulweic, 1991-01-16 Sponsored jointly by the American Society of Mechanical Engineers and International Material Management Society this single source reference is designed to meet today's need for updated technical information on planning installing and operating materials handling systems. It not only classifies and describes the standard types of materials handling equipment but also analyzes the engineering specifications and compares the operating capabilities of each type. Over one hundred professionals in various areas of materials handling present efficient methods procedures and systems that have significantly reduced both manufacturing and distribution costs.

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