

Notes:

Section properties and allowables are computed in accordance with AISI S100, North American Specification for the Design of Cold-Formed Steel Structural Members, 2016 edition with Supplement 2.

I_x and I_y are for calculating deflection.

S_{xe} and S_{ye} are for calculating bending strength.

V_a is allowable shear strength. M_a is allowable, fully-braced bending strength.

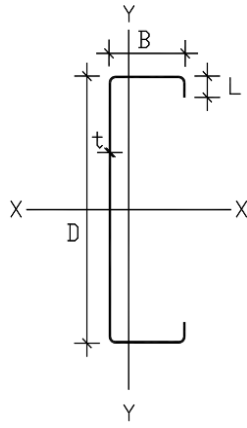
r_x and r_y indicate stability for calculating axial compression strength.

Material used to make these sections conforms to: ASTM A 653, SS, Grade 55,
ASTM A 1011, HSLAS, Grade 55, Class 1 or
ASTM A 1011, SS, Grade 55
 $F_y = 55$ ksi minimum, $F_u = 70$ ksi minimum

All bend angles are 90°. All inside bend radii are 3/16".

7/2026

Section Name	DIMENSIONAL PROPERTIES						ALLOWABLES		AXIS X-X			AXIS Y-Y		
	Depth x Flange D x B (in x in)	Gauge	Thickness, t (in)	Lip, L (in)	Weight (lb/ft)	Area (in ²)	M_a (k-ft)	V_a (kips)	I_x (in ⁴)	S_{xe} (in ³)	r_x (in)	I_y (in ⁴)	S_{ye} (in ³)	r_y (in)
4.0x2.0C16	4.0 x 2.0	16	0.059	0.773	1.793	0.527	1.808	3.843	1.331	0.659	1.589	0.314	0.239	0.772
4.0x2.0C14	4.0 x 2.0	14	0.070	0.800	2.127	0.626	2.147	5.031	1.564	0.782	1.581	0.371	0.290	0.771
4.0x2.5C16	4.0 x 2.5	16	0.059	0.773	1.994	0.586	1.848	3.843	1.560	0.673	1.631	0.533	0.329	0.953
4.0x2.5C14	4.0 x 2.5	14	0.070	0.800	2.365	0.696	2.279	5.031	1.835	0.830	1.624	0.630	0.399	0.952
4.25x1.625C16	4.25 x 1.625	16	0.059	0.875/0.625	1.683	0.495	1.680	3.423	1.330	0.612	1.639	0.194	0.176	0.627
5.0x2.5C16	5.0 x 2.5	16	0.059	0.773	2.194	0.645	2.480	3.843	2.604	0.904	2.009	0.578	0.332	0.946
5.0x2.5C14	5.0 x 2.5	14	0.070	0.800	2.603	0.766	3.050	5.410	3.069	1.111	2.002	0.684	0.403	0.945
6.0x2.5C16	6.0 x 2.5	16	0.059	0.773	2.395	0.704	3.170	3.319	3.971	1.155	2.375	0.616	0.334	0.935
6.0x2.5C14	6.0 x 2.5	14	0.070	0.800	2.841	0.836	3.889	5.410	4.687	1.417	2.368	0.729	0.406	0.934
6.0x3.5C14	6.0 x 3.5	14	0.070	0.800	3.317	0.976	4.211	5.410	5.918	1.534	2.463	1.639	0.667	1.296
6.0x3.5C12	6.0 x 3.5	12	0.105	0.885	4.976	1.464	7.005	11.727	8.734	2.553	2.443	2.455	1.062	1.295
6.0x4.0C14	6.0 x 4.0	14	0.070	0.800	3.555	1.046	4.309	5.410	6.533	1.570	2.500	2.268	0.815	1.473
6.0x4.0C12	6.0 x 4.0	12	0.105	0.885	5.333	1.569	7.216	11.727	9.646	2.629	2.480	3.399	1.301	1.472



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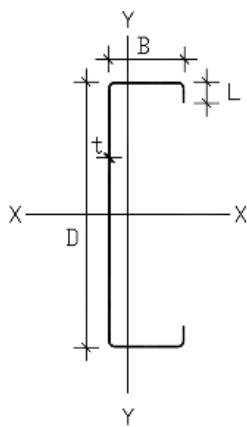
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7/2026

Section Name	DIMENSIONAL PROPERTIES						ALLOWABLES		AXIS X-X			AXIS Y-Y		
	Depth x Flange D x B (in x in)	Gauge	Thickness, t (in)	Lip, L (in)	Weight (lb/ft)	Area (in ²)	M_a (k-ft)	V_a (kips)	I_x (in ⁴)	S_{xe} (in ³)	r_x (in)	I_y (in ⁴)	S_{ye} (in ³)	r_y (in)
7.0x3.0C14	7.0 x 3.0	14	0.070	0.800	3.317	0.976	4.996	4.707	7.562	1.820	2.784	1.191	0.533	1.105
7.0x3.0C12	7.0 x 3.0	12	0.105	0.885	4.976	1.464	8.389	12.173	11.188	3.057	2.765	1.782	0.849	1.104
8.0x2.5C16	8.0 x 2.5	16	0.059	0.773	2.796	0.822	4.649	2.435	7.791	1.694	3.078	0.675	0.336	0.906
8.0x2.5C14	8.0 x 2.5	14	0.070	0.800	3.317	0.976	5.766	4.078	9.210	2.101	3.072	0.800	0.409	0.906
8.0x2.5C13	8.0 x 2.5	13	0.085	0.836	4.028	1.185	7.452	7.330	11.126	2.715	3.065	0.970	0.512	0.905
8.0x2.5C12	8.0 x 2.5	12	0.105	0.885	4.976	1.464	9.365	12.173	13.649	3.412	3.054	1.196	0.651	0.904
8.0x3.0C16	8.0 x 3.0	16	0.059	0.773	2.997	0.881	4.732	2.435	8.721	1.724	3.146	1.048	0.438	1.090
8.0x3.0C14	8.0 x 3.0	14	0.070	0.800	3.555	1.046	6.001	4.078	10.311	2.187	3.140	1.243	0.534	1.090
8.0x3.0C12	8.0 x 3.0	12	0.105	0.885	5.333	1.569	10.031	12.173	15.286	3.655	3.122	1.863	0.854	1.090
8.0x3.5C14	8.0 x 3.5	14	0.070	0.800	3.793	1.116	6.219	4.078	11.411	2.266	3.198	1.808	0.672	1.273
8.0x3.5C13	8.0 x 3.5	13	0.085	0.836	4.606	1.355	7.860	7.330	13.788	2.864	3.190	2.195	0.843	1.273
8.0x3.5C12	8.0 x 3.5	12	0.105	0.885	5.690	1.674	10.244	12.173	16.922	3.733	3.180	2.712	1.077	1.273
8.0x4.0C14	8.0 x 4.0	14	0.070	0.800	4.031	1.186	6.351	4.078	12.512	2.314	3.248	2.505	0.822	1.454
8.0x4.0C12	8.0 x 4.0	12	0.105	0.885	6.047	1.779	10.546	12.173	18.558	3.843	3.230	3.760	1.319	1.454



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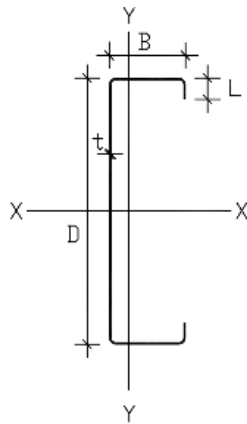
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9.0x2.5C16	9.0 x 2.5	16	0.059	0.773	2.997	0.881	5.193	2.148	10.303	1.892	3.419	0.698	0.336	0.890
9.0x2.5C14	9.0 x 2.5	14	0.070	0.800	3.555	1.046	6.803	3.597	12.186	2.479	3.414	0.828	0.410	0.890
9.0x2.5C12	9.0 x 2.5	12	0.105	0.885	5.333	1.569	11.033	12.173	18.091	4.020	3.396	1.239	0.653	0.889
9.0x3.0C14	9.0 x 3.0	14	0.070	0.800	3.793	1.116	7.032	3.597	13.582	2.562	3.489	1.289	0.536	1.075
9.0x3.0C12	9.0 x 3.0	12	0.105	0.885	5.690	1.674	11.770	12.173	20.168	4.289	3.472	1.933	0.857	1.075
10.0x2.5C14	10.0 x 2.5	14	0.070	0.800	3.793	1.116	7.652	3.218	15.685	2.788	3.750	0.853	0.411	0.874
10.0x2.5C12	10.0 x 2.5	12	0.105	0.885	5.690	1.674	12.798	10.941	23.316	4.663	3.733	1.277	0.655	0.874
10.0x3.0C14	10.0 x 3.0	14	0.070	0.800	4.031	1.186	7.758	3.218	17.410	2.827	3.832	1.330	0.537	1.059
10.0x3.0C12	10.0 x 3.0	12	0.105	0.885	6.047	1.779	13.607	10.941	25.887	4.958	3.815	1.995	0.860	1.059
10.0x3.5C14	10.0 x 3.5	14	0.070	0.800	4.269	1.256	7.875	3.218	19.136	2.869	3.904	1.939	0.675	1.243
10.0x3.5C12	10.0 x 3.5	12	0.105	0.885	6.404	1.884	13.881	10.941	28.457	5.058	3.887	2.912	1.085	1.243



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11.0x2.5C14	11.0 x 2.5	14	0.070	0.800	4.031	1.186	7.680	2.911	19.741	2.798	4.080	0.875	0.412	0.859
11.0x2.5C12	11.0 x 2.5	12	0.105	0.885	6.047	1.779	13.937	9.891	29.379	5.078	4.064	1.310	0.657	0.858
11.0x3.0C14	11.0 x 3.0	14	0.070	0.800	4.269	1.256	8.486	2.911	21.832	3.092	4.170	1.366	0.538	1.043
11.0x3.0C12	11.0 x 3.0	12	0.105	0.885	6.404	1.884	15.540	9.891	32.495	5.662	4.154	2.050	0.862	1.043
12.0x2.5C14	12.0 x 2.5	14	0.070	0.800	4.269	1.256	8.443	2.658	24.391	3.077	4.407	0.894	0.412	0.844
12.0x2.5C12	12.0 x 2.5	12	0.105	0.885	6.404	1.884	15.442	9.024	36.331	5.627	4.392	1.340	0.658	0.843
12.0x3.5C14	12.0 x 3.5	14	0.070	0.800	4.745	1.396	9.391	2.658	29.372	3.422	4.588	2.044	0.677	1.210
12.0x3.5C12	12.0 x 3.5	12	0.105	0.885	7.118	2.094	17.912	9.024	43.759	6.526	4.572	3.072	1.090	1.211