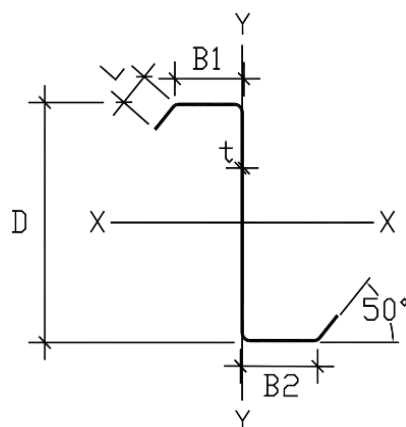




Notes:

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.

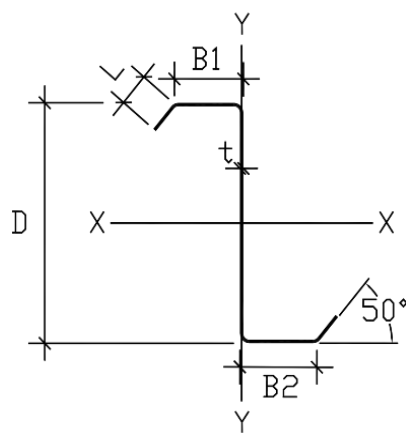
Material used to make these sections conforms to:

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	
	D x B1 x B2 (in x in x in)	Gauge	Thickness, t (in)	Lip, L (in)	Weight (lb/ft)	Area (in ²)	Positive M_a (k-ft)	Negative M_a (k-ft)	V_a (kips)	I_x (in ⁴)	Positive S_{xe} (in ³)	Negative S_{xe} (in ³)	r_x (in)	I_y (in ⁴)	r_y (in)
3.5x1.5Z16	3.5 x 1.5 x 1.5	16	0.059	0.911	1.592	0.468	1.321	1.321	3.659	0.875	0.481	0.481	1.367	0.444	0.973
3.5x1.5Z14	3.5 x 1.5 x 1.5	14	0.070	0.930	1.889	0.556	1.343	1.343	4.310	1.029	0.586	0.586	1.361	0.530	0.977
4.0x2.0Z16	4.0 x 2.0 x 2.0	16	0.059	1.161	1.993	0.586	1.801	1.801	3.843	1.473	0.656	0.656	1.585	1.027	1.324
4.0x2.0Z14	4.0 x 2.0 x 2.0	14	0.070	1.180	2.365	0.696	2.238	2.238	5.031	1.734	0.815	0.815	1.579	1.225	1.327
4.0x2.5Z16	4.0 x 2.125 x 2.375	16	0.059	0.911	1.993	0.586	1.943	1.956	3.843	1.545	0.708	0.713	1.623	1.079	1.357
4.0x2.5Z14	4.0 x 2.125 x 2.375	14	0.070	0.930	2.365	0.696	2.414	2.401	5.031	1.819	0.879	0.875	1.617	1.288	1.361
4.0x3.0Z16	4.0 x 2.625 x 2.875	16	0.059	0.911	2.194	0.645	2.044	2.044	3.843	1.774	0.745	0.745	1.658	1.724	1.634
4.0x3.0Z14	4.0 x 2.625 x 2.875	14	0.070	0.930	2.603	0.766	2.472	2.485	5.031	2.089	0.901	0.905	1.652	2.055	1.638
4.0x3.5Z16	4.0 x 3.125 x 3.375	16	0.059	0.911	2.395	0.704	2.110	2.104	3.843	2.003	0.769	0.767	1.687	2.580	1.914
4.0x3.5Z14	4.0 x 3.125 x 3.375	14	0.070	0.930	2.841	0.836	2.577	2.579	5.031	2.360	0.939	0.940	1.681	3.075	1.918
5.0x2.5Z16	5.0 x 2.125 x 2.375	16	0.059	0.911	2.194	0.645	2.608	2.617	3.843	2.585	0.950	0.953	2.001	1.080	1.294
5.0x2.5Z14	5.0 x 2.125 x 2.375	14	0.070	0.930	2.603	0.766	3.237	3.205	5.410	3.049	1.180	1.168	1.996	1.288	1.297
5.0x3.0Z16	5.0 x 2.625 x 2.875	16	0.059	0.911	2.395	0.704	2.732	2.726	3.843	2.945	0.995	0.993	2.045	1.724	1.565
5.0x3.0Z14	5.0 x 2.625 x 2.875	14	0.070	0.930	2.841	0.836	3.298	3.309	5.410	3.475	1.202	1.206	2.039	2.056	1.569



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

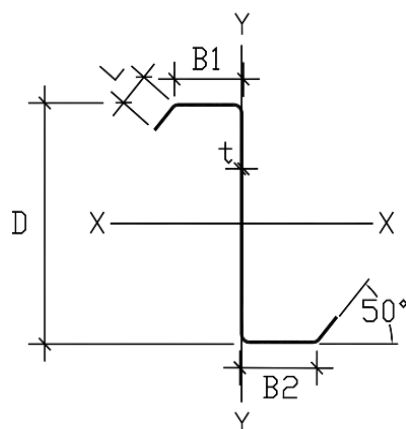
ASTM A 1011, SS, Grade 55

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	
	D x B1 x B2 (in x in x in)	Gauge	Thickness, t (in)	Lip, L (in)	Weight (lb/ft)	Area (in ²)	Positive M_a (k-ft)	Negative M_a (k-ft)	V_a (kips)	I_x (in ⁴)	Positive S_{xe} (in ³)	Negative S_{xe} (in ³)	r_x (in)	I_y (in ⁴)	r_y (in)
6.0x2.5Z16	6.0 x 2.125 x 2.375	16	0.059	0.911	2.395	0.704	3.330	3.333	3.319	3.948	1.213	1.214	2.368	1.080	1.238
6.0x2.5Z14	6.0 x 2.125 x 2.375	14	0.070	0.930	2.841	0.836	4.127	4.073	5.410	4.662	1.504	1.484	2.362	1.289	1.242
7.0x3.0Z14	7.0 x 2.625 x 2.875	14	0.070	0.930	3.317	0.976	5.156	5.159	4.707	7.534	1.879	1.880	2.779	2.056	1.452
7.0x3.0Z12	7.0 x 2.625 x 2.875	12	0.105	0.990	4.976	1.463	8.604	8.576	12.173	11.166	3.135	3.125	2.762	3.133	1.463
7.0x3.5Z16	7.0 x 3.125 x 3.375	16	0.059	0.911	2.996	0.881	4.399	4.379	2.809	7.084	1.603	1.596	2.835	2.581	1.711
7.0x3.5Z14	7.0 x 3.125 x 3.375	14	0.070	0.930	3.555	1.046	5.350	5.339	4.707	8.374	1.949	1.945	2.830	3.076	1.715
7.0x3.5Z12	7.0 x 3.125 x 3.375	12	0.105	0.990	5.333	1.568	8.853	8.673	12.173	12.415	3.226	3.160	2.813	4.679	1.727



Notes:

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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

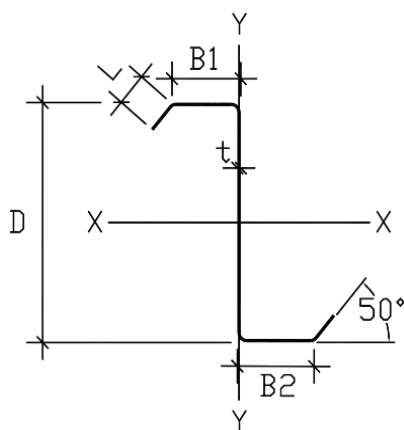
ASTM A 1011, SS, Grade 55

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	
	D x B1 x B2 (in x in x in)	Gauge	Thickness, t (in)	Lip, L (in)	Weight (lb/ft)	Area (in ²)	Positive M_a (k-ft)	Negative M_a (k-ft)	V_a (kips)	I_x (in ⁴)	Positive S_{xe} (in ³)	Negative S_{xe} (in ³)	r_x (in)	I_y (in ⁴)	r_y (in)
8.0x2.5Z16	8.0 x 2.125 x 2.375	16	0.059	0.911	2.796	0.822	4.910	4.931	2.435	7.759	1.789	1.797	3.072	1.080	1.146
8.0x2.5Z14	8.0 x 2.125 x 2.375	14	0.070	0.930	3.317	0.976	6.103	6.006	4.078	9.176	2.224	2.188	3.067	1.289	1.150
8.0x2.5Z13	8.0 x 2.125 x 2.375	13	0.085	0.956	4.028	1.185	7.480	7.480	7.330	11.095	2.725	2.725	3.060	1.577	1.154
8.0x2.5Z12	8.0 x 2.125 x 2.375	12	0.105	0.990	4.976	1.463	9.185	9.185	12.173	13.624	3.347	3.347	3.051	1.967	1.159
8.0x3.0Z16	8.0 x 2.625 x 2.875	16	0.059	0.911	2.996	0.881	4.985	5.041	2.435	8.689	1.816	1.837	3.140	1.725	1.399
8.0x3.0Z14	8.0 x 2.625 x 2.875	14	0.070	0.930	3.555	1.046	6.185	6.184	4.078	10.277	2.254	2.253	3.135	2.057	1.403
8.0x3.0Z12	8.0 x 2.625 x 2.875	12	0.105	0.990	5.333	1.568	10.301	10.258	12.173	15.261	3.753	3.738	3.119	3.133	1.413
8.0x3.5Z14	8.0 x 3.125 x 3.375	14	0.070	0.930	3.793	1.116	6.412	6.395	4.078	11.378	2.336	2.330	3.194	3.076	1.661
8.0x3.5Z13	8.0 x 3.125 x 3.375	13	0.085	0.956	4.606	1.355	7.987	8.000	7.330	13.758	2.910	2.915	3.187	3.759	1.666
8.0x3.5Z12	8.0 x 3.125 x 3.375	12	0.105	0.990	5.690	1.673	10.566	10.351	12.173	16.898	3.850	3.771	3.178	4.680	1.672
9.0x2.5Z16	9.0 x 2.125 x 2.375	16	0.059	0.911	2.996	0.881	5.077	5.574	2.148	10.266	1.850	2.031	3.413	1.081	1.107
9.0x2.5Z14	9.0 x 2.125 x 2.375	14	0.070	0.930	3.555	1.046	6.564	7.069	3.597	12.148	2.392	2.576	3.409	1.289	1.110
9.0x2.5Z12	9.0 x 2.125 x 2.375	12	0.105	0.990	5.333	1.568	10.702	10.837	12.173	18.062	3.899	3.949	3.394	1.968	1.120
9.0x3.0Z14	9.0 x 2.625 x 2.875	14	0.070	0.930	3.793	1.116	7.257	7.274	3.597	13.544	2.644	2.651	3.484	2.057	1.358
9.0x3.0Z12	9.0 x 2.625 x 2.875	12	0.105	0.990	5.690	1.673	12.096	12.036	12.173	20.140	4.407	4.386	3.469	3.134	1.368
9.0x3.5Z14	9.0 x 3.125 x 3.375	14	0.070	0.930	4.031	1.186	7.354	7.440	3.597	14.939	2.680	2.711	3.550	3.077	1.611
9.0x3.5Z12	9.0 x 3.125 x 3.375	12	0.105	0.990	6.047	1.778	12.377	12.128	12.173	22.217	4.510	4.419	3.535	4.680	1.622



Notes:

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ASTM A 1011, SS, Grade 55

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7/2026

Section Name	DIMENSIONAL PROPERTIES						ALLOWABLES			AXIS X-X				AXIS Y-Y	
	D x B1 x B2 (in x in x in)	Gauge	Thickness, t (in)	Lip, L (in)	Weight (lb/ft)	Area (in ²)	Positive M_a (k-ft)	Negative M_a (k-ft)	V_a (kips)	I_x (in ⁴)	Positive S_{xe} (in ³)	Negative S_{xe} (in ³)	r_x (in)	I_y (in ⁴)	r_y (in)
10.0x2.5Z14	10.0 x 2.125 x 2.375	14	0.070	0.930	3.793	1.116	7.384	7.286	3.218	15.642	2.691	2.655	3.745	1.289	1.075
10.0x2.5Z12	10.0 x 2.125 x 2.375	12	0.105	0.990	5.690	1.673	12.170	12.612	10.941	23.284	4.434	4.595	3.730	1.968	1.084
10.0x3.0Z14	10.0 x 2.625 x 2.875	14	0.070	0.930	4.031	1.186	8.007	8.134	3.218	17.368	2.917	2.964	3.827	2.057	1.317
10.0x3.0Z12	10.0 x 2.625 x 2.875	12	0.105	0.990	6.047	1.778	13.988	13.911	10.941	25.855	5.097	5.069	3.813	3.134	1.328
10.0x3.5Z14	10.0 x 3.125 x 3.375	14	0.070	0.930	4.269	1.256	8.133	8.216	3.218	19.094	2.963	2.994	3.900	3.077	1.565
10.0x3.5Z12	10.0 x 3.125 x 3.375	12	0.105	0.990	6.404	1.883	14.287	14.003	10.941	28.426	5.206	5.102	3.885	4.681	1.576
11.0x2.5Z14	11.0 x 2.125 x 2.375	14	0.070	0.930	4.031	1.186	8.204	8.091	2.911	19.693	2.989	2.948	4.076	1.290	1.043
11.0x2.5Z12	11.0 x 2.125 x 2.375	12	0.105	0.990	6.047	1.778	13.642	14.203	9.891	29.343	4.971	5.175	4.062	1.968	1.052
12.0x2.5Z14	12.0 x 2.125 x 2.375	14	0.070	0.930	4.269	1.256	9.023	8.896	2.658	24.338	3.287	3.241	4.403	1.290	1.014
12.0x2.5Z12	12.0 x 2.125 x 2.375	12	0.105	0.990	6.404	1.883	15.113	15.738	9.024	36.292	5.507	5.734	4.390	1.969	1.022
12.0x3.5Z14	12.0 x 3.125 x 3.375	14	0.070	0.930	4.745	1.396	9.696	9.773	2.658	29.320	3.533	3.561	4.584	3.077	1.485
12.0x3.5Z12	12.0 x 3.125 x 3.375	12	0.105	0.990	7.118	2.093	18.401	18.046	9.024	43.721	6.705	6.575	4.570	4.681	1.495