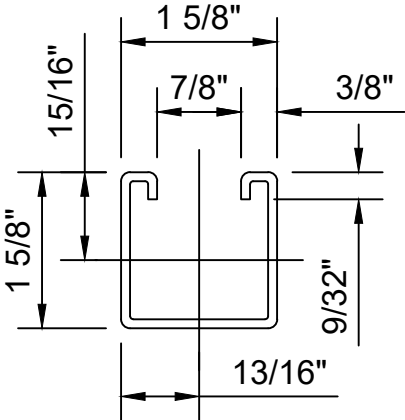


SS-1000

1-5/8" X 1-5/8" SOLID STRUT CHANNEL



Profile Detail
Scale 1:2



This 12-gauge slotted strut channel provides a strong, adaptable framing solution for data center applications. Ideal for supporting cable trays, conduit, piping, and equipment, it offers the durability and flexibility needed for mission-critical environments

Features:

- OPM pre-approved for seismic applications
- Product dimensions are 1 5/8" wide x 1 5/8" tall x 12ga. Thick
- Our SS-1000 is available in Pre-Galvanized (PG), Hot-Dip Galvanized (HG)

Ordering Information							
Catalog #	Length (ft)	Guage	Material Type	Surface Finish	Part Weight (lb/ft)	Package Qty (ft)	Package Weight (lb)
SS1000-10-12-STL-HG	10	12	Steel	Hot-Dip Galvanized	1.9100	500	955
SS1000-10-12-STL-PG	10	12	Steel	Pre-Galvanized	1.9100	500	955
SS1000-20-12-STL-HG	20	12	Steel	Hot Dip Galvanized	1.9100	1000	1910
SS1000-20-12-STL-PG	20	12	Steel	Pre-Galvanized	1.91	1000	1910

SS-1000

1-5/8" X 1-5/8" SOLID STRUT CHANNEL



LOADING DATA

Column Loading

Unbraced Height (in)	Allowable Load at Slot Face (lbs)	Max Column Load Applied at C.G.			
		K=0.65 (lbs)	K=0.80 (lbs)	K=1.0 (lbs)	K=1.2 (lbs)
24	3,350	10,740	9,890	8,770	7,740
36	3,190	8,910	7,740	6,390	5,310
48	2,770	7,260	6,010	4,690	3,800
60	2,380	5,910	4,690	3,630	2,960
72	2,080	4,840	3,800	2,960	2,400
84	1,860	4,040	3,200	2,480	1,980
96	1,670	3,480	2,750	2,110	1,660
108	1,510	3,050	2,400	1,810	KL/r>200
120	1,380	2,700	2,110	KL/r>200	KL/r>200
144	1,150	1,150	1,660	KL/r>200	KL/r>200

Beam Loading

Span (in)	Max. Allowable Uniform Load (lbs)	Deflection at Uniform Load (in)	Uniform Loading at Deflection			Lateral Bracing Reduction Factor
			Span/180 (lbs)	Span/240 (lbs)	Span/360 (lbs)	
24	1,690	0.06	1,690	1,690	1,690	1.00
36	1,130	0.13	1,130	1,130	900	0.94
48	850	0.22	850	760	500	0.88
60	680	0.35	650	480	320	0.82
72	560	0.50	450	340	220	0.78
84	480	0.68	330	250	160	0.75
96	420	0.89	250	190	130	0.71
108	380	1.14	200	150	100	0.69
120	340	1.40	160	120	80	0.66
144	280	2.00	110	80	60	0.61
168	240	2.72	80	60	40	0.55
192	210	3.55	60	50	NR	0.51
216	50	4.58	50	40	NR	0.47
240	40	5.62	40	NR	NR	0.44
Note	NR - Not Recommended					

Elements of Section

Area of Section	0.555 in ² (3.6 cm ²)	
	Axis 1-1	Axis 2-2
Moment of Inertia (I)	0.185 in ⁴	0.236 in ⁴
Section Modulus (S)	0.202 in ³	0.290 in ³
Radius of Gyration (r)	0.577 in	0.651 in