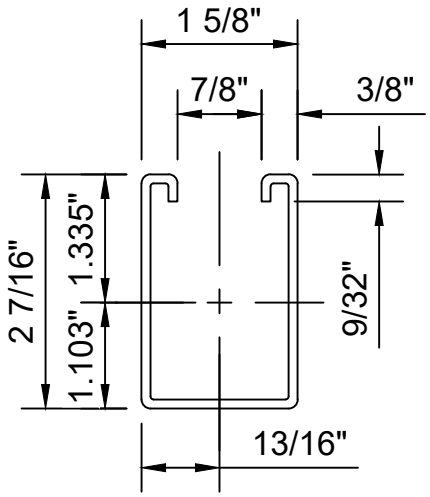
SS-5500

1-5/8" X 2-7/16" 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 2-7/16" tall x 12ga. Thick
- Our SS-5500 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)
SS5500-10-12-STL-HG	10	12	Steel	Hot-Dip Galvanized	3.07	250	767
SS5500-10-12-STL-PG	10	12	Steel	Pre-Galvanized	3.07	250	767
SS5500-20-12-STL-HG	20	12	Steel	Hot Dip Galvanized	3.07	500	1535
SS5500-20-12-STL-PG	20	12	Steel	Pre-Galvanized	3.05	500	1525

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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	5,650	16,870	15,180	12,850	10,600
36	4,690	13,140	10,600	74,650	5,660
48	3,560	9,550	6,860	4,790	3,660
60	2,730	6,680	4,790	3,450	2,710
72	2,160	4,980	3,660	2710	2,170
84	1,760	3,950	2,960	2,240	1,820
96	1,500	3,270	2,500	1,930	1,580
108	1,310	2,800	2,170	1,690	1390
120	1,170	2,450	1,930	1,510	KL/r>200
144	980	1,980	1,580	KL/r>200	KL/r>200
168	850	1,670	1,340	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	3,270	0.04	3,270	3,270	3,270	0.99
36	1,280	0.09	2,180	2,180	2,180	0.89
48	1,640	0.15	1,640	1,640	1,420	0.77
60	1,310	0.24	1,310	1,310	910	0.67
72	1,090	0.34	1,090	950	630	0.58
84	940	0.47	930	700	470	0.51
96	820	0.61	710	530	360	0.46
108	730	0.78	560	420	280	0.42
120	650	0.95	460	340	230	0.40
144	550	1.39	320	240	160	0.36
168	470	1.89	230	170	120	0.32
192	410	2.46	180	130	90	0.30
216	360	3.07	140	110	70	0.28
240	330	3.86	110	90	60	0.26

Elements of Section		
Area of Section	0.726 in^2 (4.7 cm^2)	
	Axis 1-1	Axis 2-2
Moment of Inertia (I)	0.522 in^4	0.334 in^4
Section of Modulus (S)	0.390 in^3	0.411 in^3
Radius of Gyration (r)	0.848 in	0.679 in