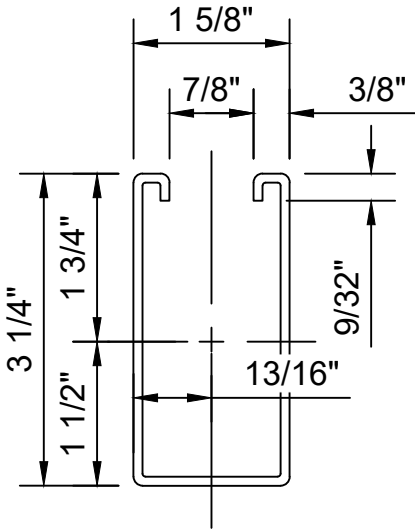


SS-5000

1-5/8" X 3-1/4" 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 3 1/4" tall x 12ga. Thick
- Our SS-5000 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)
SS5000-10-12-STL-HG	10	12	Steel	Hot-Dip Galvanized	3.07	250	767
SS5000-10-12-STL-PG	10	12	Steel	Pre-Galvanized	3.07	250	767
SS5000-20-12-STL-HG	20	12	Steel	Hot Dip Galvanized	3.07	500	1535
SS5000-20-12-STL-PG	20	12	Steel	Pre-Galvanized	3.05	500	1525

SS-5000

1-5/8" X 3-1/4" 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	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	1510	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	5,260	0.03	5,260	5,260	5,260	0.98
36	3,500	0.07	3,500	3,500	3,500	0.85
48	2,630	0.12	2,630	2,630	2,630	0.70
60	2,100	0.18	2,100	2,100	1,920	0.55
72	1,750	0.26	1,750	1,750	1330	0.44
84	1,500	0.36	1,500	1,470	980	0.38
96	1,310	0.47	1,310	1,120	750	0.33
108	1,170	0.59	1,170	890	590	0.30
120	1,050	0.73	960	720	480	0.28
144	880	1.03	670	500	330	0.24
168	750	1.43	490	370	240	0.22
192	660	1.88	370	280	190	0.21
216	580	2.35	300	220	150	0.19
240	530	2.95	240	180	120	0.18
Note	Bearing load may govern capacity.					

Elements of Section		
Area of Section	0.555 in ² (3.6 cm ²)	
	Axis 1-1	Axis 2-2
Moment of Inertia (I)	1.098 in ⁴	0.433 in ⁴
Section of Modulus (S)	0.627 in ³	0.533 in ³
Radius of Gyration (r)	1.107 in	0.695 in