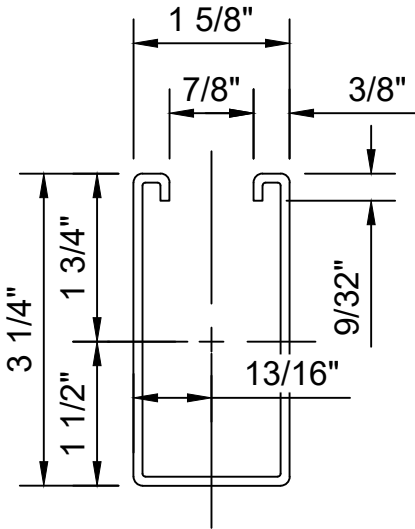


SS-5001

1-5/8" X 3-1/4" SLOTTED STRUT CHANNEL



Profile Detail
Scale 1:2

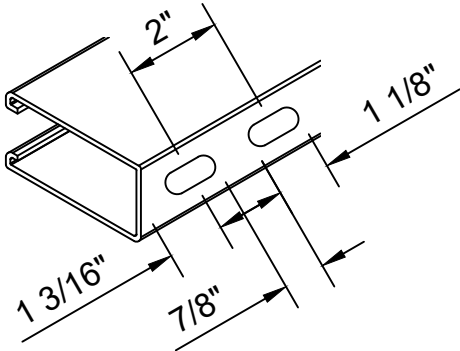


This 12-gauge slotted strut channel provides a strong, adaptable framing solution for data center applications. Ideal for supporting cable trays, conduit, piping, and equipment, it offers the durability and flexibility needed for mission-critical environments

Features:

- OPM pre-approved for seismic applications
- Product dimensions are 1 5/8" wide x 3 1/4" tall x 12ga. Thick
- Slots are sized for a 1/2" & 3/8" Accessories
- Our SS-5001 is available in Pre-Galvanized (PG), Hot-Dip Galvanized (HG)

SLOT DIMENSION: 1-1/8" X 9/16"



Ordering Information							
Catalog #	Length (ft)	Guage	Material Type	Surface Finish	Part Weight (lb/ft)	Package Qty (ft)	Package Weight (lb)
SS5001-10-12-STL-HG	10	12	Steel	Hot-Dip Galvanized	1.8500	500	925
SS5001-10-12-STL-PG	10	12	Steel	Pre-Galvanized	1.8500	500	925
SS5001-20-12-STL-HG	20	12	Steel	Hot Dip Galvanized	1.9100	1000	1850
SS5001-20-12-STL-PG	20	12	Steel	Pre-Galvanized	1.8500	1000	1850

SS-5001

1-5/8" X 3-1/4" SLOTTED 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	4,471	0.03	4,471	4,471	4,471	0.98
36	2,975	0.07	2,975	2,975	2,975	0.85
48	2,236	0.12	2,236	2,236	2,236	0.70
60	1,785	0.18	1,785	11,785	1,632	0.55
72	1,488	0.26	1,488	1,488	1131	0.44
84	1,275	0.36	1,275	1,250	833	0.38
96	1,114	0.47	1,114	952	638	0.33
108	995	0.59	995	757	502	0.30
120	893	0.73	816	612	408	0.28
144	748	1.03	570	425	281	0.24
168	638	1.43	417	315	204	0.22
192	561	1.88	315	238	162	0.21
216	493	2.35	255	187	128	0.19
240	451	2.95	204	153	102	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