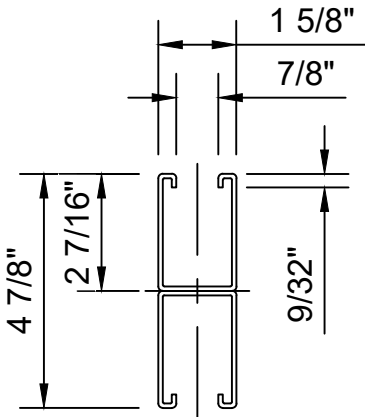


SS-5500B

1-5/8" X 4-7/8" SOLID "BACK TO BACK" 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 4-7/8" tall x 12ga. Thick
- Our SS-5501B 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)
SS5500B-10-12-STL-HG	10	12	Steel	Hot-Dip Galvanized	4.94	250	741
SS5500B-10-12-STL-PG	10	12	Steel	Pre-Galvanized	4.94	250	741
SS5500B-20-12-STL-HG	20	12	Steel	Hot Dip Galvanized	4.94	500	741
SS5500B-20-12-STL-PG	20	12	Steel	Pre-Galvanized	4.94	500	741

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1-5/8" X 4-7/8" SOLID "BACK TO BACK" 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	8,580	31,810	30,880	29,520	28,100
36	8,350	29,700	28,100	2,600	24,070
48	8,080	27,390	2,330	22,910	20,940
60	7,720	25,170	22,910	20,510	17,170
72	7,270	23,190	20,940	17,170	12,700
84	6,780	21,510	18,740	13,430	9,330
96	6,130	20,110	15,630	10,290	7,150
108	5,450	17,750	12,700	8,130	5,650
120	4,800	15,260	10,290	6,590	KL/r>200
144	3,760	10,830	7,150	KL/r>200	KL/r>200
168	2,970	7,950	5,250	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	5,220	0.01	5,220	5,220	5,220	1.00
36	5,220	0.04	5,220	5,220	5,220	1.00
48	4,820	0.08	4,820	4,820	4,820	0.98
60	3,860	0.13	3,860	3,860	3,860	0.93
72	3,220	0.19	3,220	3,220	3,220	0.87
84	2,760	0.25	2,760	2,760	2,500	0.81
96	2,410	0.34	2,410	2,410	1,920	0.76
108	2,140	0.42	2,140	2,140	1,510	0.70
120	1,930	0.52	1,930	1,840	1,230	0.64
144	1,610	0.76	1,610	1,280	850	0.53
168	1,380	1.03	1,250	940	630	0.45
192	1,210	1.35	960	720	480	0.39
216	1,070	1.70	760	570	380	0.34
240	960	2.09	610	460	310	0.30
Note	Load Limited by Weld Shear					

Elements of Section		
Area of Section	1.452 in ² (3.6 cm ²)	
	Axis 1-1	Axis 2-2
Moment of Inertia (I)	2.805 in ⁴	0.669 in ⁴
Section of Modulus (S)	1.151 in ³	0.823 in ³
Radius of Gyration (r)	1.39 in	0.679 in