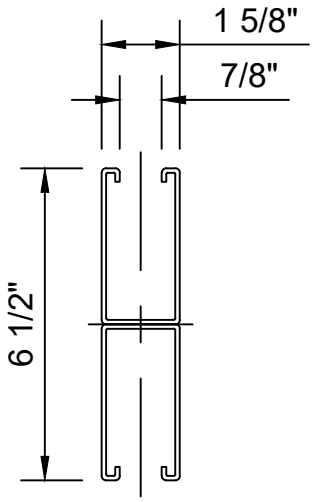
SS-5000B

1-5/8" X 6-1/2" 'BACK TO BACK' SOLID STRUT CHANNEL



Profile Detail
Scale 1:4

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-1000B 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)
SS5000B-10-12-STL-HG	10	12	Steel	Hot-Dip Galvanized	3.84	250	960
SS5000B-10-12-STL-PG	10	12	Steel	Pre-Galvanized	3.84	250	960
SS5000B-20-12-STL-HG	20	12	Steel	Hot Dip Galvanized	3.84	500	1920
SS5000B-20-12-STL-PG	20	12	Steel	Pre-Galvanized	3.84	500	1920

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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	6,430	24,280	23,610	22,700	21,820
36	6,290	22,810	21,820	20,650	19,670
48	6,160	21,410	20,300	18,670	16,160
60	6,000	20,210	18,670	15,520	12,390
72	5,620	18,970	16,160	12390	8,950
84	5,170	16,950	13,630	9,470	6,580
96	4,690	14,890	11,190	7,250	5,040
108	4,170	12,850	8,950	5,730	3,980
120	3,690	10,900	7,250	4,640	KL/r>200
144	2,930	7,630	5,040	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	*3,500	0.02	*3,500	*3,500	*3,500	1.00
36	3,190	0.07	3,190	3,190	3,190	1.00
48	2,390	0.13	2,390	2,390	2,390	1.00
60	1,910	0.20	1,910	1,910	1,620	0.97
72	1,600	0.28	1,600	1,600	1130	0.93
84	1,370	0.39	1,370	1,240	830	0.89
96	1,200	0.51	1,200	950	630	0.85
108	1,060	0.64	1,060	750	500	0.81
120	960	0.79	810	610	410	0.78
144	800	1.14	560	420	280	0.70
168	680	1.53	410	310	210	0.63
192	600	2.02	320	240	160	0.56
216	530	2.54	250	190	130	0.49
240	480	3.16	200	150	100	0.44
Note	* - Load limited by weld shear.					

Elements of Section		
Area of Section	0.555 in^2 (3.6 cm^2)	
	Axis 1-1	Axis 2-2
Moment of Inertia (I)	0.928 in^{34}	0.471 in^4
Section of Modulus (S)	0.571 in^3	0.580 in^3
Radius of Gyration (r)	0.914 in	0.651 in