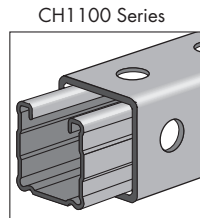
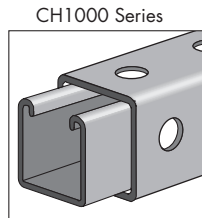
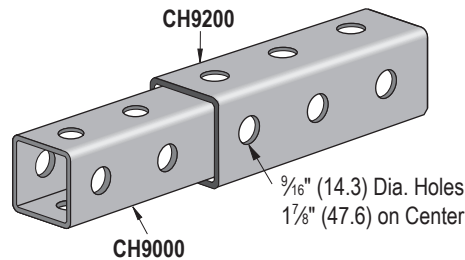
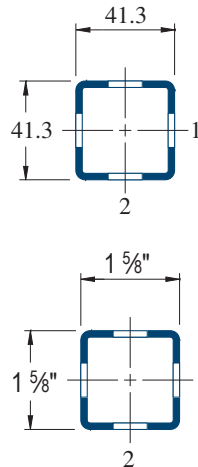
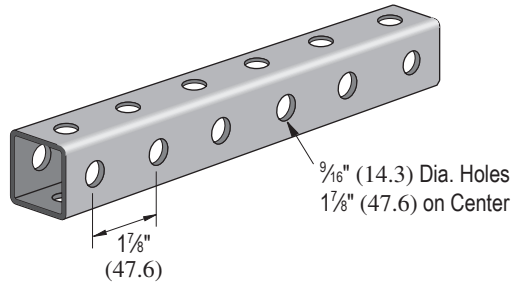


CH9000

1-5/8" x 1-5/8" - 12 Gauge
Wt/100 Ft: 188 Lbs



Telescoping strut can be combined with metal framing channel

Materials & Finishes: PG

Lengths: 10' & 20'

Channel Material & Finish Specifications			
Desc.	Code	ASTM Designation	ASTM Description
Channel:	Use Finish Code	ASTM A1011 SS GR 33.	UBS channels are accurately and carefully cold formed to size from low-carbon strip steel.
Pre-Galvanized	PG	Components are cold-rolled from pre-galvanized sheet steel manufactured to the specification of ASTM A653 Grade 33 or ASTM A653 SS Grade 50. The pre-galvanized zinc coating to G-90 thickness, 0.75 MIL or 0.45 oz./sq. ft. of surface area.	

Beam Loading

Channel No.	Span In	Max. Allowable Uniform Load Lbs	Defl. at Uniform Load In	Uniform Loading at Deflection		
				Span/180 Lbs	Span/240 Lbs	Span/360 Lbs
CH9000	24	1,710	0.06	1,710	1,710	1,710
	36	1,140	0.14	1,140	1,140	810
	48	860	0.25	860	680	450
	60	690	0.40	580	440	290
	72	570	0.57	400	300	200
	84	490	0.77	300	220	150
	96	430	1.01	230	170	110
	108	380	1.27	180	130	90
	120	340	1.56	150	110	70
	144	290	2.30	100	80	50
	168	240	3.02	70	60	40
	192	210	3.95	60	40	NR
	216	190	5.09	40	NR	NR
	240	170	6.24	40	NR	NR

Column Loading

Channel No.	Unbraced Height In	Max. Allowable Load at Slot Face Lbs	Maximum Column Load Applied at C.G.			
			K = 0.65 Lbs	K = 0.80 Lbs	K = 1.0 Lbs	K = 1.2 Lbs
CH9000	24	3,640	8,730	8,570	8,330	8,040
	36	3,540	8,360	8,040	7,530	6,950
	48	3,400	7,880	7,340	6,530	5,660
	60	3,210	7,290	6,530	5,440	4,360
	72	2,990	6,640	5,660	4,360	3,160
	84	2,730	5,940	4,790	3,340	2,320
	96	2,430	5,220	3,940	2,560	1,780
	108	2,110	4,520	3,160	2,020	1,400
	120	1,820	3,840	2,560	1,640	**
	144	1,390	2,690	1,780	**	**
	168	-	-	-	-	-

Elements of Section

Channel No.	Area of Section in ²	Axis 1-1			Axis 2-2		
		I in ⁴	S in ³	r in	I in ⁴	S in ³	r in
CH9000	0.387	0.166	0.205	0.655	0.166	0.205	0.655

Notes:

** KL/r > 200

NR = Not Recommended.

PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	Phone:	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		