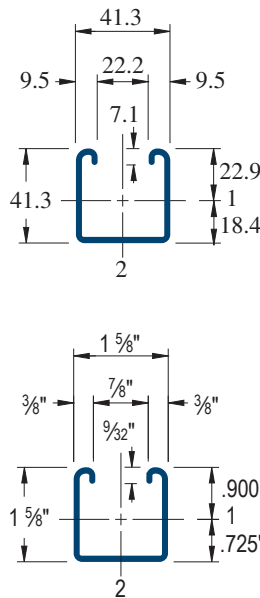
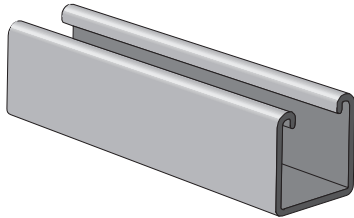


CH1100

1-5/8" x 1-5/8" - 14 Gauge Channel
Wt/100 Ft: 142 Lbs



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
CH1100	24	1,350	0.06	1,350	1,350	1,350
	36	900	0.13	900	900	700
	48	680	0.23	680	590	400
	60	540	0.36	510	380	250
	72	450	0.51	350	260	180
	84	390	0.70	260	190	130
	96	340	0.92	200	150	100
	108	300	1.15	160	120	80
	120	270	1.42	130	90	60
	144	230	2.09	90	70	40
	168	190	2.75	60	50	30
	192	170	3.67	50	40	NR
	216	150	4.61	40	30	NR
	240	140	5.90	30	NR	NR

Column Loading

Channel No.	Unbraced Height In	Maximum 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
CH1100	24	2,800	8,040	7,330	6,360	5,430
	36	2,410	6,480	5,430	4,190	3,210
	48	1,940	4,990	3,830	2,760	2,160
	60	1,550	3,740	2,760	2,050	1,640
	72	1,290	2,860	2,160	1,640	1,320
	84	1,100	2,310	1,780	1,370	1,110
	96	950	1,950	1,520	1,180	950
	108	840	1,690	1,320	1,030	**
	120	760	1,490	1,180	**	**
	144	630	1,210	950	**	**

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
CH1100	0.418	0.145	0.162	0.589	0.176	0.217	0.650

Notes:

** KL/r > 200

NR = Not Recommended.

Refer to the UBS Products Catalog for loading information

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.	

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