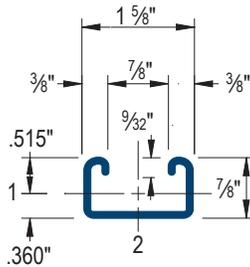
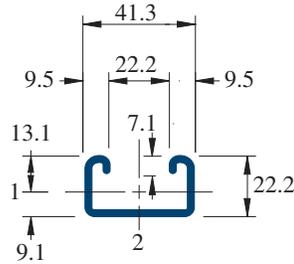
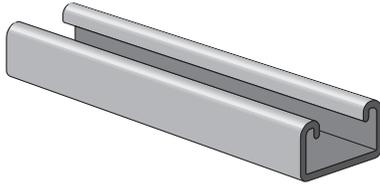


## CH3300

7/8" x 1-5/8" - 12 Gauge Channel  
Wt/100 Ft: 134 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
CH3300	24	600	0.10	600	600	400
	36	400	0.22	360	270	180
	48	300	0.40	200	150	100
	60	240	0.62	130	100	60
	72	200	0.89	90	70	40
	84	170	1.20	70	50	30
	96	150	1.59	50	40	30
	108	130	1.96	40	30	20
	120	120	2.48	30	20	20
144	-	-	-	-	-	

### 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
CH3300	24	2,360	7,740	7,260	6,350	5,390
	36	2,120	6,470	5,390	3,990	2,810
	48	1,760	4,910	3,550	2,270	1,580
	60	1,380	3,440	2,270	1,460	**
	72	1,080	2,390	1,580	**	**
	84	-	-	-	-	-
	96	-	-	-	-	-
	108	-	-	-	-	-

Materials & Finishes: PG, HG

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.
Hot Dip Galvanized After Fabrication	HG		Components are fabricated from plain steel meeting the specification of ASTM A1011 and hot dipped galvanized after fabrication. Hot dip galvanizing is performed to the specification requirements of ASTM A123. The zinc coating is typically 2.6 MIL or 1.5 oz./sq. ft. of surface area.

### Elements of Section

Channel No.	Area of Section in <sup>2</sup>	Axis 1-1			Axis 2-2		
		I in <sup>4</sup>	s in <sup>3</sup>	r in	I in <sup>4</sup>	s in <sup>3</sup>	r in
CH3300	0.395	0.037	0.072	0.306	0.143	0.176	0.601

Notes:

\* Load limited by spot weld shear.

\*\* KL/r > 200

NR = Not Recommended.

For pierced channel, multiply beam loads by the following factor:

**"T" Series - 85%**

Refer to the UBS Products Catalog for loading information

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