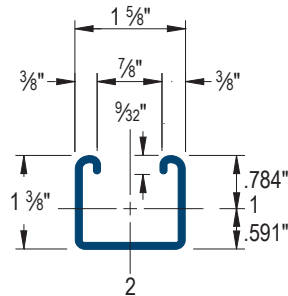
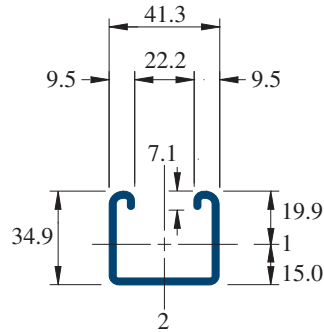
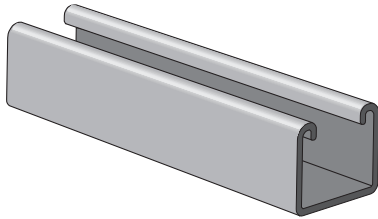


CH3000

1-³/₈" x 1-⁵/₈" - 12 Gauge Channel
Wt/100 Ft: 170Lbs



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
CH3000	24	1,280	0.07	1,280	1,280	1,280
	36	850	0.15	850	850	580
	48	640	0.26	640	490	330
	60	510	0.41	420	310	210
	72	430	0.59	290	220	150
	84	370	0.81	210	160	110
	96	320	1.05	160	120	80
	108	280	1.30	130	100	60
	120	260	1.66	100	80	50
	144	210	2.32	70	50	40
	168	180	3.15	50	40	30
	192	160	4.18	40	30	NR
	216	140	5.21	NR	NR	NR
	240	130	6.64	NR	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
CH3000	24	3,180	9,690	8,980	8,050	7,210
	36	2,920	8,160	7,210	6,130	5,240
	48	2,590	6,820	5,810	4,730	3,860
	60	2,300	5,740	4,730	3,690	2,990
	72	2,040	4,850	3,860	2,990	2,270
	84	1,830	4,100	3,240	2,400	**
	96	1,650	3,530	2,770	1,840	**
	108	1,450	3,080	2,270	**	**
	120	1,250	2,710	1,840	**	**

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.	

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
CH3000	0.500	0.120	0.153	0.489	0.203	0.250	0.638

Notes:

** KL/r > 200

NR = Not Recommended.

Refer to the UBS Products Catalog for loading information

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