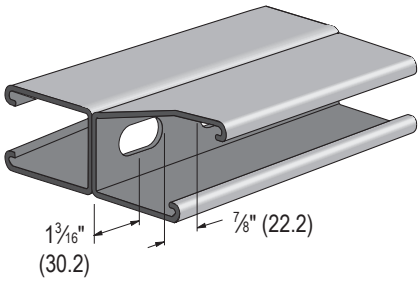
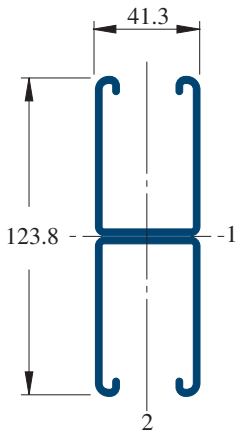
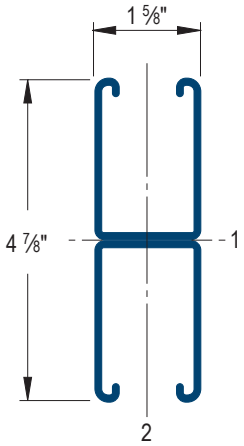
CH5501T

4-7/8" x 1-5/8" - 12 Gauge Channel
Wt/100 Ft: 494 Lbs



Slots are
1⅛" (28.6) x 9/16" (14.3)
2" (50.8) on Center





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
CH5501	24	5,220*	0.01	5,220*	5,220*	5,220*
	36	5,220*	0.04	5,220*	5,220*	5,220*
	48	4,820	0.08	4,820	4,820	4,820
	60	3,860	0.13	3,860	3,860	3,860
	72	3,220	0.19	3,220	3,220	3,220
	84	2,760	0.26	2,760	2,760	2,500
	96	2,410	0.34	2,410	2,410	1,920
	108	2,140	0.42	2,140	2,140	1,510
	120	1,930	0.52	1,930	1,840	1,230
	144	1,610	0.76	1,610	1,280	850
	168	1,380	1.03	1,250	940	630
	192	1,210	1.35	960	720	480
	216	1,070	1.70	760	570	380
	240	960	2.09	610	460	310

Column Loading

Channel No.	Unbraced Height In	Max. 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
CH5501	24	8,580	31,810	30,880	29,520	28,100
	36	8,350	29,700	28,100	26,000	24,070
	48	8,080	27,390	25,330	22,910	20,940
	60	7,720	25,170	22,910	20,510	17,170
	72	7,270	23,190	20,940	17,170	12,700
	84	6,780	21,510	18,740	13,430	9,330
	96	6,130	20,110	15,630	10,290	7,150
	108	5,450	17,750	12,700	8,130	5,650
	120	4,800	15,260	10,290	6,590	**
	144	3,760	10,830	7,150	**	**
	168	2,970	7,950	5,250	**	**

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
CH5501	1.452	2.805	1.151	1.390	0.669	0.823	0.679

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:
Project:		
Date:	**Phone:**	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		