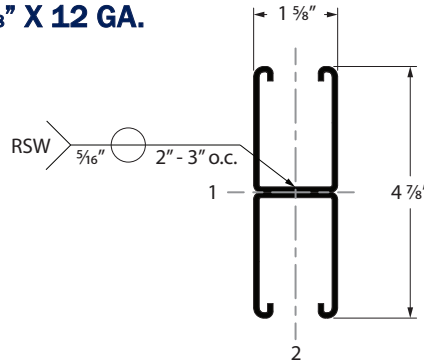
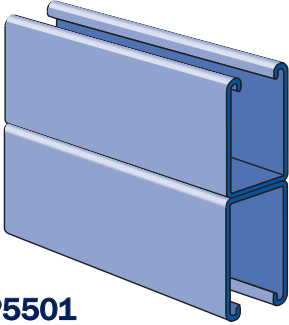


Channel - Beam Loading

P5501, P5501T, P5501WT, P5501HS - 1 5/8" X 4 7/8" X 12 GA.



P5501

PIERCED OPTIONS

	$\frac{5}{16}$ " x 1 1/8" Slots 2" on Center
P5501T	
	$\frac{11}{16}$ " x 2" Slots 3" on Center
P5501WT	
	$\frac{5}{16}$ " Dia. Holes 1 7/8" on Center
P5501HS	

Beam Loads [ASD] Axis 1-1							
Span	Maximum Allowable Uniform Load (V_{allow})	Deflection at Uniform Load	Uniform Loading at Deflection			Unbraced Length	
			Span/180 (D_{allow})	Span/240 (D_{allow})	Span/360 (D_{allow})		
(ft)	(lbs)	(in)	(lbs)	(lbs)	(lbs)	(ft)	Factor (Φ_{LV})
2	5,020*	0.01	5,020*	5,020*	5,020*	2	1.00
3	5,020*	0.04	5,020*	5,020*	5,020*	3	1.00
4	4,820	0.08	4,820	4,820	4,820	4	0.98
5	3,860	0.13	3,860	3,860	3,860	5	0.93
6	3,210	0.19	3,210	3,210	3,210	6	0.87
7	2,760	0.26	2,760	2,760	2,500	7	0.81
8	2,410	0.34	2,410	2,410	1,910	8	0.76
9	2,140	0.42	2,140	2,140	1,510	9	0.70
10	1,930	0.52	1,930	1,840	1,230	10	0.64
12	1,610	0.76	1,610	1,280	850	12	0.53
14	1,380	1.03	1,250	940	630	14	0.45
16	1,210	1.35	960	720	480	16	0.39
18	1,070	1.70	760	570	380	18	0.34
20	960	2.09	610	460	310	20	0.30

Notes:

- 1) Values in this table apply to P5501, P5501T, P5501WT, and P5501HS channels
- 2) Refer to page 4b.0 for the calculation procedure
- 3) Channel Weight ($W_{channel}$): 4.94 lbs/ft
- 4) Allowable Moment (M_{allow}): 28,930 in-lbs
- 5) Beam loads are provided in total uniform load, not uniform loading (e.g. lbs/ft or lbs/in)
- 6) These values apply only to Unistrut brand products. Unistrut channels are stamped with the name "UNISTRUT".
- 7) * Load limited by spot weld shear. Weld shear and tension are accounted for in the above listed capacities.



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