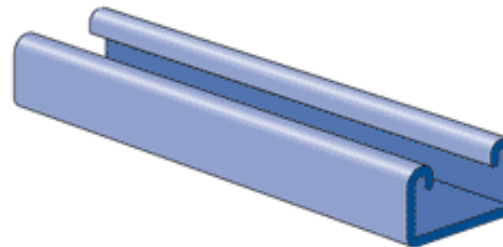
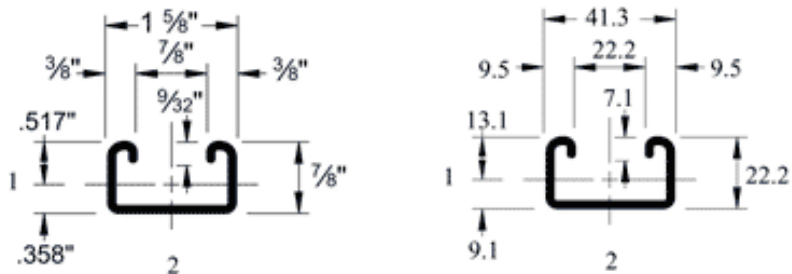


P3300 - 1-5/8" x 7/8", 12 Gage, Solid



Column Loading - P3300

Beam Loading - P3300

Unbraced Height (in)	Allowable Load at Slot Face (lbs)	Max Column Load Applied at C.G.				Span (in)	Max Allowable Uniform Load (lbs)	Defl at Uniform load (in)	Uniform Loading at Deflection			Lateral Bracing Reduction Factor
		K=0.65 (lbs)	K=0.65 (lbs)	K=0.65 (lbs)	K=0.65 (lbs)				Span /180 (lbs)	Span /240 (lbs)	Span /360 (lbs)	
24	2,360	7,740	7,260	6,350	5,390	24	600	0.10	600	600	400	1.00
36	2,120	6,470	5,390	3,990	2,810	36	400	0.22	360	270	180	1.00
48	1,760	4,910	3,550	2,270	1,580	48	300	0.40	200	150	100	1.00
60	1,380	3,440	2,270	1,460	*	60	240	0.62	130	100	60	0.98
72	1,080	2,390	1,580	*	*	72	200	0.89	90	70	40	0.97
*KL/r > 200						84	170	1.20	70	50	30	0.96
						96	150	1.59	50	40	30	0.94
						108	130	1.96	40	30	20	0.93
						120	120	2.48	30	20	20	0.92

[Channel Selection Chart](#)[Related Channel Nuts](#)**Finishes:** [GR](#) [PG](#) [HG](#) [ZD](#) [PL](#) [SS](#) [ST](#)**Weight:**135 Lbs/100 Ft
(201 Kg/100 m)[Additional Specifications](#)**Elements of Section**Area of Section - 0.398 in² (2.6 cm²)

Axis 1-1

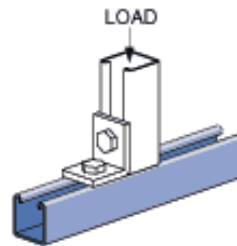
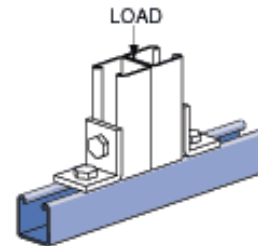
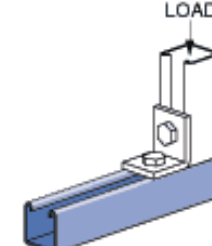
- Moment of Inertia (I) - 0.037 in⁴ (1.5 cm⁴)
- Section Modulus (S) - 0.072 in³ (1.2 cm³)
- Radius of Gyration (r) - 0.306 in (0.8 cm)

Axis 2-2

- Moment of Inertia (I) - 0.145 in⁴ (6.0 cm⁴)
- Section Modulus (S) - 0.178 in³ (2.9 cm³)
- Radius of Gyration (r) - 0.603 in (1.5 cm)

Notes:

1. Above loads include the weight of the member. This weight must be deducted to arrive at the net allowable load the beam will support.
2. Long span beams should be supported so as to prevent rotation and twist.
3. Allowable uniformly distributed loads are listed for various simple spans, that is, a beam on two supports. If load is concentrated at the center of the span, multiply load from the table by 0.5 and corresponding deflection by 0.8.
4. The lateral bracing factor should be multiplied by the load to determine the load retained based on the distance between lateral braces.

Bearing Load on Channel:Max Load
6,000 Lbs
2,722 KgMax Load
9,000 Lbs
4,082 KgMax Load
4,000 Lbs
1,814 Kg