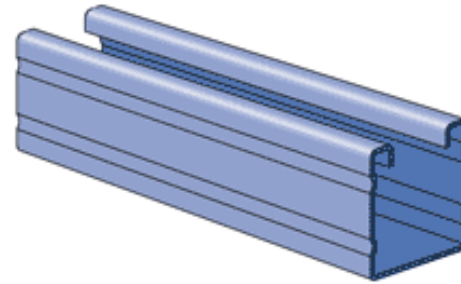
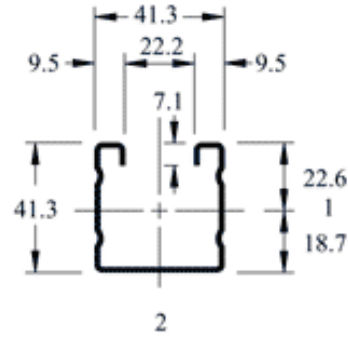
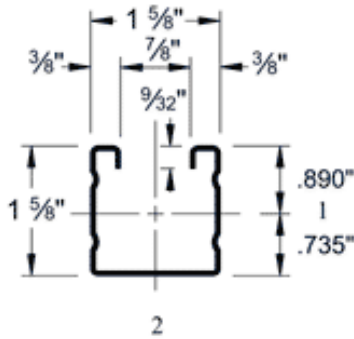


P2000 - 1-5/8" x 1-5/8", 16 Gage, Solid



Column Loading - P2000

Beam Loading - P2000

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	2,400	6,650	6,080	5,280	4,470	24	1,170	0.06	1,170	1,170	1,170	1.00
36	2,050	5,380	4,470	3,370	2,500	36	780	0.13	780	780	610	0.88
48	1,600	4,090	3,040	2,100	1,590	48	590	0.23	590	510	340	0.75
60	1,230	2,960	2,100	1,500	1,160	60	470	0.36	440	330	220	0.61
72	970	2,190	1,590	1,160	910	72	390	0.52	300	230	150	0.48
84	790	1,720	1,270	950	760	84	340	0.71	220	170	110	0.41
96	660	1,410	1,060	800	650	96	290	0.91	170	130	90	0.35
108	570	1,200	910	700	*	108	260	1.16	130	100	70	0.32
120	510	1,040	800	620	*	120	230	1.41	110	80	50	0.29
144	420	830	650	*	*	144	200	2.12	80	60	40	0.25
*KL/r > 200						168	170	2.86	60	40	30	0.23
						192	150	3.76	40	30	20	0.21
						216	130	4.64	30	30	-	0.19
						240	120	5.88	30	-	-	0.18

[Channel Selection Chart](#)[Related Channel Nuts](#)**Finishes:** [GR](#) [PG](#) [HG](#) [PL](#)**Weight:**116 Lbs/100 Ft
(173 Kg/100 m)[Additional Specifications](#)**Elements of Section**Area of Section - 0.340 in² (2.2 cm²)

Axis 1-1

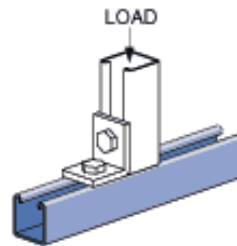
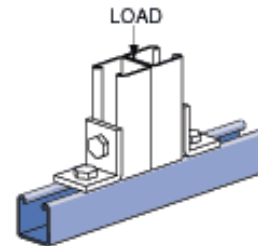
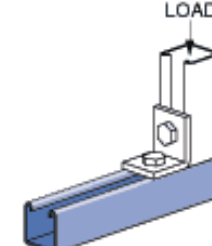
- Moment of Inertia (I) - 0.124 in⁴ (5.2 cm⁴)
- Section Modulus (S) - 0.140 in³ (2.3 cm³)
- Radius of Gyration (r) - 0.605 in (1.5 cm)

Axis 2-2

- Moment of Inertia (I) - 0.151 in⁴ (6.3 cm⁴)
- Section Modulus (S) - 0.186 in³ (3.0 cm³)
- Radius of Gyration (r) - 0.667 in (1.7 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
2,000 Lbs
907 KgMax Load
3,000 Lbs
1,361 KgMax Load
1,500 Lbs
680 Kg