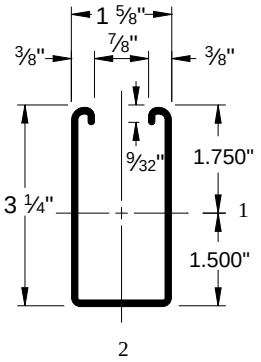
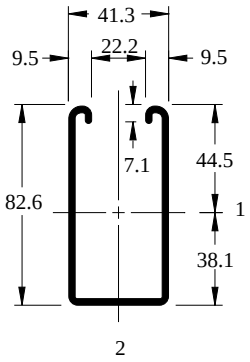
UNISTRUT

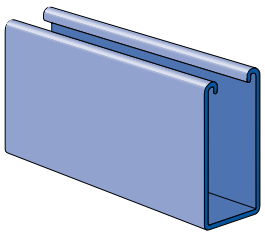
1⅝" Channel

P5000





Wt/100 Ft: 305 Lbs (454 kg/100 m)
Allowable Moment 15,790 In-Lbs (1,780 N•m)
12 Gauge Nominal Thickness .105" (2.7mm)



Channel Finishes:
PL, GR, HG, PG;
Standard Lengths:
10' & 20'

COLUMN LOADING – P5000

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
24	5,120	13,050	12,000	11,180	9,590
36	4,590	11,380	9,590	7,390	5,560
48	3,800	8,830	6,730	4,700	3,560
60	3,040	6,580	4,700	3,360	2,620
72	2,520	4,890	3,560	2,620	2,090
84	2,150	3,860	2,870	2,160	1,750
96	1,880	3,180	2,410	1,850	1,510
108	1,670	2,710	2,090	1,620	1,330
120	1,510	2,370	1,850	1,450	**

BEAM LOADING – P5000

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
24	5,260	0.03	5,260	5,260	5,260
36	3,510	0.07	3,510	3,510	3,510
48	2,630	0.12	2,630	2,630	2,630
60	2,110	0.18	2,110	2,110	1,920
72	1,750	0.26	1,750	1,750	1,330
84	1,500	0.36	1,500	1,470	980
96	1,320	0.47	1,320	1,130	750
108	1,170	0.59	1,170	890	590
120	1,050	0.73	960	720	480
144	880	1.05	670	500	330
168	750	1.43	490	370	250
192	660	1.87	380	280	190
216	580	2.37	300	220	150
240	530	2.92	240	180	120

MATERIAL

Unistrut channels are accurately and carefully cold formed to size from low-carbon strip steel. All spot-welded combination members, except P1001T, are welded 3" (76 mm) maximum on center.

STEEL: PLAIN
12 Ga. (2.7 mm), 14 Ga.(1.9 mm) and 16 Ga. (1.5 mm)
ASTM A1011 GR33

STEEL: PRE-GALVANIZED
12 Ga. (2.7 mm), 14 Ga. (1.9 mm) and 16 Ga. (1.5mm)
ASTM A653 GR 33

For other materials, see Special Metals or Fiberglass sections.

FINISHES

All channels are available in:

- Perma Green II (GR)
- Pre-galvanized (PG), conforming to ASTM A653 G90
- Hot-dipped galvanized (HG), conforming to ASTM A123
- Plain (PL)

Project: _____

Architect / Engineer: _____

Date: _____ **Phone:** _____

Contractor: _____

Address: _____

_____

Notes 1: _____

_____

Notes 2: _____

_____

Approval Stamp: