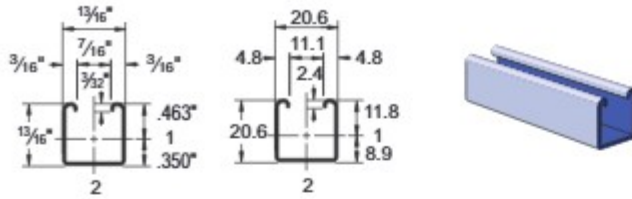
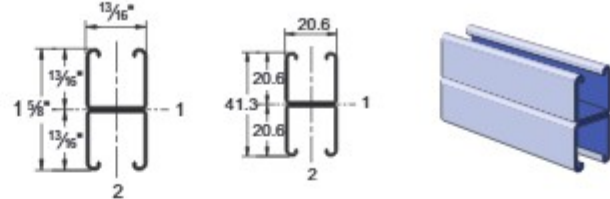


P6000



WW/100 Ft: 36 Lbs (54 kg/100 m)
 Allowable Moment 510 In-Lbs (60 N·m)
 19 Gauge Nominal Thickness .040" (1.0 mm)

P6001



WW/100 Ft: 73 Lbs (108 kg/100 m)
 Allowable Moment 1,390 In-Lbs (160 N·m)
 19 Gauge Nominal Thickness .040" (1.0 mm)

P6000 - BEAM LOADING

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
18	230	0.06	230	230	180
24	170	0.11	170	150	100
30	140	0.18	130	100	70
36	110	0.24	90	70	50
42	100	0.35	70	50	30
48	80	0.42	50	40	30
54	80	0.60	40	30	20
60	70	0.72	30	20	20
66	60	0.82	30	20	10
72	60	1.06	20	20	10

P6001 - BEAM LOADING

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
18	620	0.04	620	620	620
24	460	0.06	460	460	460
30	370	0.10	370	370	320
36	310	0.14	310	310	220
42	270	0.20	270	240	160
48	230	0.25	230	180	120
54	210	0.32	190	150	100
60	190	0.40	160	120	80
66	170	0.48	130	100	70
72	150	0.55	110	80	50

P6000 - COLUMN LOADING

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
18	600	1,660	1,400	1,100	860
24	490	1,300	1,010	740	590
30	420	990	740	560	450
36	340	770	590	450	370
42	300	630	490	380	310
48	260	540	420	330	270
54	240	470	370	290	**
60	210	410	330	**	**
66	210	370	300	**	**
72	180	340	270	**	**

P6001 - COLUMN LOADING

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
18	1,210	4,320	4,080	3,770	3,500
24	1,170	3,980	3,680	3,330	3,060
30	1,130	3,650	3,330	3,000	2,460
36	1,070	3,370	3,060	2,460	1,800
42	1,020	3,140	2,690	1,900	1,320
48	900	2,930	2,230	1,460	1,010
54	820	2,550	1,800	1,150	800
60	700	2,180	1,460	930	**
66	700	1,830	1,210	770	**
72	550	1,530	1,010	**	**

P6000 & P6001 - ELEMENTS OF SECTION

Parameter	P6000		P6001	
Area of Section	0.107	In ²	0.213	In ²
Axis 1-1				
Moment of Inertia (I)	0.009	In ⁴	0.045	In ⁴
Section Modulus (S)	0.020	In ³	0.055	In ³
Radius of Gyration (r)	0.295	In	0.460	In
Axis 2-2				
Moment of Inertia (I)	0.012	In ⁴	0.024	In ⁴
Section Modulus (S)	0.029	In ³	0.058	In ³
Radius of Gyration (r)	0.333	In	0.333	In

Notes:

* Load limited by spot weld shear.

** KL/r > 200

NR = Not Recommended.

1. Beam loads are given in *total* uniform load (W Lbs) not uniform load (w lbs/ft or w lbs/in).
2. Beam loads are based on a simple span and assumed to be adequately laterally braced. Unbraced spans can reduce beam load carrying capacity. Refer to Page 186 for reduction factors for unbraced lengths.
3. Deduct channel weight from the beam loads.
4. For concentrated midspan point loads, multiply beam loads by 50% and the corresponding deflection by 80%. For other load conditions refer to page 18.
5. All beam loads are for bending about Axis 1-1.

1 1/4" System
 Telestrut
 Nuts & Hardware
 General Fittings
 Pipe/Conduit Support
 Concrete Inserts
 Solar
 1 1/4" System
 3/16" System
 Special Metals