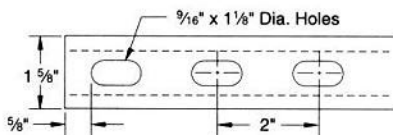


PS 500 EH – Channel with Elongated Holes



Weight: 87 lbs./100 ft.

BEAM LOADING – PS 500

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	440	0.11	440	410	270
36	300	0.24	240	180	120
48	220	0.43	140	100	70
60	180	0.68	90	70	40
72	150	0.98	60	50	30
84	130	1.33	40	30	20
96	110	1.74	30	30	20
108	100	2.20	30	20	10
120	90	2.71	20	20	10

This load table is based on a solid channel section.

For concentrated load at center of span, divide uniform load by 2 and multiply corresponding deflection by 0.8.

For Pierced Channels, reduce beam load values as follows:

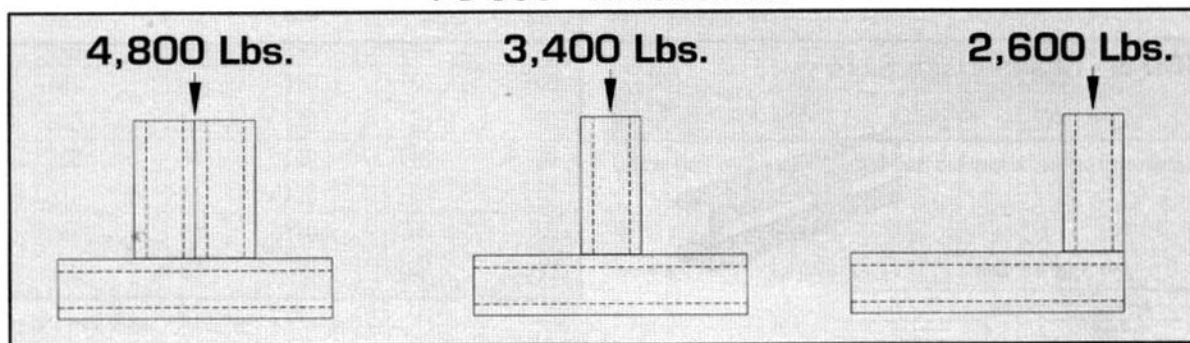
- PS-500-EH 15%
- PS-500-S 15%
- PS-500-H 10%

COLUMN LOADING – PS 500

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	1,620	5,670	5,210	4,530	3,810
36	1,300	4,620	3,810	2,770	1,940
48	1,000	3,450	2,450	1,570	1,090
60	760	2,380	1,570	**	**
72	600	1,650	1,090	**	**

Column loads are for allowable axial loads and must be reduced for eccentric loading

PS 500 – Crush Loads



Resistance to Slip – 1,000 lbs. per bolt when 1/2" PS NS channel nuts are used.

Pull Out Strength – 1,400 lbs. per bolt when 1/2" PS NS channel nuts are used.