ENVIRO-BEAM$_{TM}$ SPAN/LOAD TABLE

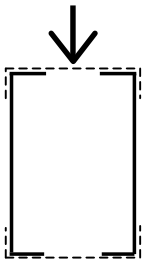
EB12-1.5-68 **12 " DEPTH**

Steel Shape [1] (2) 1200T150-68

Steel thickness: 68 mil (0.0713 in - 14 ga) Flange Width: 1.5 in

Section Properties: I: 33.13 in^4 Fy: 50 ksi
S: 3.97 in^3

Max. Allowable Bending Moment [6] : Ma: 9913 lb-ft
Max. Allowable Beam Shear: Va: 5425 lb



Span [3] (ft)	**Maximum Allowable Uniformly Distributed Vertical Loads** [2] Pounds per Lineal Foot (lb/ft)						**Deflection Due to Critical Load** (in)	
	Load Controlled by:				**Critical Uniformly Distributed Load** [4,5,6,7]			
	Shear	**Bending** [6]	**Deflection** L/240	**Deflection** L/360			S, B or L/240	L/360
6	1808	2203	9885	6590	**1808**		0.05	
7	1550	1618	6225	4150	**1550**		0.09	
8	1356	1239	4170	2780	**1239**		0.12	
9	1206	979	2929	1953	**979**		0.15	
10	1085	793	2135	1423	**793**		0.19	
11	986	655	1604	1069	**655**		0.22	
12	904	551	1236	824	**551**		0.27	
13	835	469	972	648	**469**		0.31	
14	775	405	778	519	**405**		0.36	
15	723	352	633	422	**352**		0.42	
16	678	310	521	348	**310**		0.48	
17	638	274	435	290	**274**		0.54	
18	603	245	366	244	**245**	**244 ***	0.60	0.60
19	571	220	311	208	**220**	**208 ***	0.67	0.63
20	543	198	267	178	**198**	**178 ***	0.74	0.67
21	517	180	231	154	**180**	**154 ***	0.82	0.70
22	493	164	201	134	**164**	**134 ***	0.90	0.73
23	472	150	175	117	**150**	**117 ***	0.98	0.77
24	452	138	154	103	**138**	**103 ***	1.07	0.80

* Deflection controls for L/360 condition

Notes:

1. Section designations and geometry are based on standard shapes defined by the Steel Stud Manufacturers Association (SSMA). Section properties are based on the 2001 NAS Specification.
2. All loads are service loads
3. Tables are extended to a maximum span/depth ratio of 24.
4. Critical Load is the lowest uniform load capacity based on Bending, Shear or Deflection.
5. Top and bottom tracks are required for proper stability of Enviro-Beam headers. Top and bottom tracks are not a part of the Envio-Beam header and must be designed by a qualified professional and be properly fastened to the flanges of the Enviro-Beam. As a minimum, top and bottom tracks shall be at least the same gauge as the Enviro-Beam header.
6. Bending capacities are based on the assumption that the compression flange is adequately laterally braced by a top track section. Lateral (wind or seismic) loads are assumed to be resisted by the top and bottom tracks and not by the Enviro-Beam header itself.
7. When Enviro-Beam header is supported by bearing on steel studs, stiffened end is required to resist web crippling. When end support is by screwed side plate connectors, stiffened end is not required. See stiffened end detail.