ALLOWABLE FLOOR LOADS LDF = 1.0 3000F

This Table can be used to size simple span beams and headers supporting uniform loading. The PLF loads must be calculated and include all floor and roof framing loads on beams & headers

Key: For each clear span there are three numbers
Row 1: Maximum Total Load with LDF=1.0 & deflection limit=l/240
Row 2: Maximum Live Load limited by deflection =l/360
Row 3: Required Bearing Length in trimmer thickness (e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc)

Allowable Loads for Power Beam® in Pounds per Linear Foot								
SPAN	**7" WIDTH**							
	Depth (in.)							
	7 1/4	9 1/4	9 1/2	11 1/4	11 7/8	14	16	18
6'	3393	5529	5832	7616	8247	10665	13410	16767
	3202	5529	5832	7616	8247	10665	13410	16767
	3	4.5	4.5	4.5	6	6	7.5	9
7'	2490	4057	4280	6006	6600	8374	10309	12567
	2016	4057	4280	6006	6600	8374	10309	12567
	3	3	3	4.5	4.5	6	7.5	9
8'	1903	3102	3273	4593	5119	6892	8370	10047
	1351	2805	3039	4593	5119	6892	8370	10047
	1.5	3	3	4.5	4.5	6	6	7.5
9'	1410	2448	2582	3625	4040	5620	7044	8367
	949	1970	2134	3545	4040	5620	7044	8367
	1.5	3	3	4.5	4.5	6	6	7.5
10'	1024	1979	2088	2932	3268	4547	5944	7167
	692	1436	1556	2584	3039	4547	5944	7167
	1.5	3	3	3	3	4.5	6	7.5
11'	766	1602	1723	2420	2697	3754	4907	6193
	520	1079	1169	1941	2283	3741	4907	6193
	1.5	3	3	3	3	4.5	6	6
12'	587	1230	1333	2030	2263	3150	4110	5176
	400	831	900	1495	1759	2882	4110	5176
	1.5	1.5	3	3	3	4.5	6	6
13'	459	964	1045	1727	1925	2680	3484	4387
	315	654	708	1176	1383	2267	3383	4387
	1.5	1.5	1.5	3	3	4.5	4.5	6
14'	365	768	833	1392	1639	2300	2988	3764
	252	523	567	942	1108	1815	2709	3764
	1.5	1.5	1.5	3	3	4.5	4.5	6
15'	294	621	674	1128	1329	1994	2590	3263
	205	426	461	766	900	1476	2203	3136
	1.5	1.5	1.5	3	3	3	4.5	6
16'	240	509	552	926	1091	1743	2266	2855
	169	351	380	631	742	1216	1815	2584
	1.5	1.5	1.5	1.5	3	3	4.5	4.5
17'	198	421	458	768	906	1495	1997	2517
	141	292	317	526	619	1014	1513	2154
	1.5	1.5	1.5	1.5	1.5	3	4.5	4.5
18'	164	352	383	644	760	1255	1773	2235
	119	246	267	443	521	854	1275	1815
	1.5	1.5	1.5	1.5	1.5	3	4.5	4.5
19'	138	297	323	544	643	1063	1584	1997
	101	209	227	377	443	726	1084	1543
	1.5	1.5	1.5	1.5	1.5	3	3	4.5
20'	116	252	274	464	548	908	1364	1795
	86	180	194	323	380	622	929	1323
	1.5	1.5	1.5	1.5	1.5	3	3	4.5
21'	99	216	234	398	470	781	1174	1621
	75	155	168	279	328	538	803	1143
	1.5	1.5	1.5	1.5	1.5	3	3	4.5
22'	84	185	202	343	406	676	1018	1458
	65	135	146	243	285	468	698	994
	1.5	1.5	1.5	1.5	1.5	1.5	3	4.5
23'	72	160	174	298	353	588	887	1272
	57	118	128	212	250	409	611	870
	1.5	1.5	1.5	1.5	1.5	1.5	3	3
24'	62	139	151	260	308	514	777	1115
	50	104	113	187	220	360	538	766
	1.5	1.5	1.5	1.5	1.5	1.5	3	3
25'	53	121	132	227	270	452	684	983
	44	92	100	165	194	319	476	677
	1.5	1.5	1.5	1.5	1.5	1.5	3	3
26'	46	105	115	200	237	399	605	870
	39	82	89	147	173	283	423	602
	1.5	1.5	1.5	1.5	1.5	1.5	3	3
28'	34	81	89	156	186	314	478	690
	32	65	71	118	138	227	339	482
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3
30'	25	63	69	123	147	251	383	555
	25	53	58	96	113	184	275	392
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3
32'	18	49	54	98	117	202	311	451
	18	44	47	79	93	152	227	323
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3