Pre-Engineered Load Tables

12" ModTruss Laminated Truss Series - MT-TR-12
With Splice Plates - MT-P-S-12-24

Aluminum Modular Truss 12" X 24" Laminated with Splice Plate - Maximum Superimposed Loads (includes self weight)													
Truss braced at 40'OC maximum													
			Uniformly Distributed			Center Point Loads		Third Point Loads		Quarter Point Loads		Fifth Point Loads	
Span (feet)	Self Weight (plf)	Self Weight Deflection	Uniformly Distributed Load (plf)	Superimposed Load (lbs)	Max Total Deflection (in)	P Load (x1)	Max Total Deflection (in)	P Load (x2)	Max Total Deflection (in)	P Load (x3)	Max Total Deflection (in)	P Load (x4)	Max Total Deflection (in)
5	19.2	0.000	3043	15214	0.010	15214	0.016	7607	0.014	5072	0.013	3803	0.012
10	17.6	0.001	1514	15142	0.080	12082	0.102	7571	0.109	5048	0.102	3785	0.097
15	18.1	0.004	1004	15055	0.270	7985	0.230	5989	0.293	3992	0.275	3327	0.289
20	18	0.014	592	11837	0.509	5918	0.410	4439	0.520	2959	0.489	2466	0.513
25	17.9	0.033	373	9325	0.795	4663	0.643	3497	0.812	2331	0.765	1943	0.802
30	17.9	0.068	254	7625	1.145	3812	0.930	2859	1.169	1906	1.102	1589	1.154
35	17.8	0.126	182	6387	1.559	3194	1.272	2395	1.591	1597	1.502	1331	1.570
40	17.8	0.215	136	5440	2.036	2720	1.672	2040	2.077	1360	1.963	1133	2.051
45	17.8	0.343	104	4685	2.577	2342	2.130	1757	2.627	1171	2.488	976	2.595
50	17.8	0.523	81	4065	3.182	2033	2.650	1524	3.241	1016	3.075	847	3.203

Aluminum Modular Truss 12" X 24" Laminated with Splice Plate - (excludes self weight)													
Truss braced at 40'OC maximum													
			Uniformly Distributed			Center Point Loads		Third Point Loads		Quarter Point Loads		Fifth Point Loads	
Span (feet)	Self Weight (plf)		Uniformly Distributed Load (plf)	Superimposed Load (lbs)	Max Total Deflection (in)	P Load (x1)	Max Total Deflection (in)	P Load (x2)	Max Total Deflection (in)	P Load (x3)	Max Total Deflection (in)	P Load (x4)	Max Total Deflection (in)
5	96		3060	15300	0.010	15300	0.016	7650	0.014	5100	0.013	3825	0.012
10	176		1530	15300	0.080	12161	0.102	7650	0.109	5100	0.102	3825	0.097
15	272		1020	15300	0.270	8107	0.229	6080	0.293	4054	0.275	3378	0.289
20	360		608	12161	0.509	6080	0.407	4560	0.520	3040	0.489	2534	0.513
25	448		389	9729	0.795	4864	0.636	3648	0.813	2432	0.764	2027	0.802
30	536		270	8107	1.145	4054	0.916	3040	1.171	2027	1.100	1689	1.155
35	624		199	6949	1.559	3475	1.247	2606	1.594	1737	1.497	1448	1.571
40	712		152	6080	2.036	3040	1.629	2280	2.082	1520	1.955	1267	2.053
45	800		120	5405	2.577	2702	2.062	2027	2.634	1351	2.474	1126	2.598
50	888		97	4864	3.182	2432	2.545	1824	3.252	1216	3.054	1013	3.207