Pre-Engineered Load Tables

12" ModTruss Truss Series - MT-TR-12
Without Splice Plates - MT-P-S-12-24

			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	9.9	0.000	1986	9932	0.054	4204	0.048	3780	0.054	2938	0.059	2423	0.054
10	9.3	0.002	574	5744	0.110	3340	0.122	2757	0.160	1839	0.139	1396	0.145
15	9.9	0.010	151	2274	0.239	1460	0.258	785	0.250	609	0.253	467	0.264
20	9.6	0.030	61	1226	0.475	841	0.376	458	0.486	308	0.533	251	0.516
25	9.9	0.074	41	1021	0.609	694	0.738	397	0.705	284	0.702	231	0.730
30	9.7	0.152	24	744	0.991	610	0.974	322	0.922	251	0.963	205	0.936
35	10.2	0.285	14	486	1.379	156	1.446	188	1.505	142	1.488	108	1.495
40	9.8	0.479	8	321	1.946	117	1.646	83	1.781	28	1.381	46	1.886

*Aluminum Modular Truss 12" **WITHOUT SPLICE PLATE** - Maximum Superimposed Loads — Truss braced at 15'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	50		1996	9982	0.054	4242	0.048	3802	0.054	2953	0.059	2435	0.054
10	93		584	5837	0.110	3411	0.122	2798	0.160	1867	0.139	1418	0.145
15	149		161	2423	0.239	1575	0.257	851	0.250	653	0.253	501	0.264
20	192		71	1418	0.475	989	0.373	543	0.487	365	0.533	295	0.516
25	248		51	1269	0.609	886	0.730	507	0.706	357	0.700	289	0.730
30	291		34	1035	0.991	835	0.958	451	0.924	337	0.960	272	0.937
35	356		24	842	1.379	584	1.418	346	1.509	248	1.482	190	1.496
40	391		18	712	1.946	419	1.598	257	1.786	143	1.371	136	1.888

*Aluminum Modular Truss 12" **WITHOUT** SPLICE PLATE (excludes self weight)- Maximum Total Load — Truss braced at 15'OC maximum*