

# Pre-Engineered Load Tables

## 12" ModTruss Steel Truss Series - MT-TR-12

Steel Modular Truss WITH Splice Plate - Maximum Superimposed Loads (includes self weight)

Truss braced at 20'OC maximum													
Span (feet)	Self Weight (plf)	Self Weight Deflection	Uniformly Distributed Load (plf)	Superimposed Load (lbs)	Max Total Deflection (in)	Center Point Loads P Load (x1)	Max Total Deflection (in)	Third Point Loads P Load (x2)	Max Total Deflection (in)	Quarter Point Loads P Load (x3)	Max Total Deflection (in)	Fifth Point Loads P Load (x4)	Max Total Deflection (in)
5	28.2	0.000	3215	16073	0.017	16073	0.027	8037	0.023	5358	0.022	4018	0.020
10	25.8	0.002	1597	15968	0.135	11044	0.149	7984	0.183	5323	0.172	3992	0.162
15	26.6	0.010	968	14521	0.417	7260	0.336	5445	0.427	3630	0.401	3025	0.421
20	25.8	0.031	535	10696	0.742	5348	0.600	4011	0.758	2674	0.714	2228	0.748
25	26.3	0.077	333	8337	1.160	4168	0.943	3126	1.184	2084	1.116	1737	1.168
30	25.9	0.156	225	6743	1.670	3372	1.367	2529	1.704	1686	1.609	1405	1.682
35	26.1	0.294	159	5554	2.273	2777	1.877	2083	2.317	1388	2.194	1157	2.289
40	25.8	0.494	116	4651	2.969	2326	2.474	1744	3.024	1163	2.870	969	2.989

Steel Modular Truss WITH Splice Plate Maximum Superimposed Loads (excludes self weight)

Truss braced at 20'OC maximum													
Span (feet)	Self Weight (plf)	Uniformly Distributed Load (plf)	Superimposed Load (lbs)	Max Total Deflection (in)	Center Point Loads P Load (x1)	Max Total Deflection (in)	Third Point Loads P Load (x2)	Max Total Deflection (in)	Quarter Point Loads P Load (x3)	Max Total Deflection (in)	Fifth Point Loads P Load (x4)	Max Total Deflection (in)	
5	141	3240	16200	0.017	16200	0.027	8100	0.023	5400	0.022	4050	0.020	
10	258	1620	16200	0.135	11160	0.148	8100	0.184	5400	0.172	4050	0.163	
15	399	992	14880	0.417	7440	0.334	5580	0.427	3720	0.401	3100	0.421	
20	516	558	11160	0.742	5580	0.594	4185	0.759	2790	0.713	2325	0.748	
25	657	357	8928	1.160	4464	0.928	3348	1.185	2232	1.113	1860	1.169	
30	774	248	7440	1.670	3720	1.336	2790	1.707	1860	1.603	1550	1.683	
35	915	182	6377	2.273	3189	1.818	2391	2.323	1594	2.182	1329	2.291	
40	1032	140	5580	2.969	2790	2.375	2093	3.035	1395	2.850	1163	2.993	

Steel Modular Truss without Splice Plate - Maximum Superimposed Loads (includes self weight)

Truss braced at 20'OC maximum													
Span (feet)	Self Weight (plf)	Self Weight Deflection	Uniformly Distributed Load (plf)	Superimposed Load (lbs)	Max Total Deflection (in)	Center Point Loads P Load (x1)	Max Total Deflection (in)	Third Point Loads P Load (x2)	Max Total Deflection (in)	Quarter Point Loads P Load (x3)	Max Total Deflection (in)	Fifth Point Loads P Load (x4)	Max Total Deflection (in)
5	28.2	0.000	2480	12401	0.013	6201	0.010	4650	0.013	3100	0.130	2584	0.013
10	25.8	0.002	603	6032	0.052	3016	0.042	2262	0.053	1508	0.050	1257	0.052
15	26.6	0.010	254	3817	0.117	1908	0.096	1431	0.120	954	0.113	795	0.118
20	25.8	0.031	133	2668	0.208	1334	0.173	1000	0.212	667	0.201	556	0.210
25	26.3	0.077	77	1914	0.325	957	0.276	718	0.331	479	0.316	399	0.327
30	25.9	0.156	46	1391	0.469	696	0.406	522	0.476	348	0.546	290	0.471
35	26.1	0.294	28	966	0.638	483	0.569	362	0.646	242	0.624	201	0.641
40	25.8	0.494	16	367	0.833	319	0.765	239	0.841	159	0.820	133	0.836

Steel Modular Truss without Splice Plate - Maximum Superimposed Loads (Excludes self weight)

Truss braced at 20'OC maximum													
Span (feet)	Self Weight (plf)	Uniformly Distributed Load (plf)	Superimposed Load (lbs)	Max Total Deflection (in)	Center Point Loads P Load (x1)	Max Total Deflection (in)	Third Point Loads P Load (x2)	Max Total Deflection (in)	Quarter Point Loads P Load (x3)	Max Total Deflection (in)	Fifth Point Loads P Load (x4)	Max Total Deflection (in)	
5	28.2	2506	12528	0.013	6264	0.010	4698	0.013	3132	0.012	2610	0.013	
10	25.8	626	6264	0.052	3132	0.042	2349	0.053	1566	0.050	1305	0.052	
15	26.6	278	4176	0.117	2088	0.094	1566	0.120	1044	0.112	870	0.118	
20	25.8	157	3132	0.208	1566	0.167	1175	0.213	783	0.200	653	0.210	
25	26.3	100	2506	0.325	1253	0.260	940	0.333	626	0.312	522	0.328	
30	25.9	70	2088	0.469	1044	0.375	783	0.479	522	0.450	435	0.472	
35	26.1	51	1790	0.638	895	0.510	671	0.652	447	0.612	373	0.643	
40	25.8	39	1566	0.833	783	0.667	587	0.852	392	0.800	326	0.840	

