

Pre-Engineered Load Tables

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

Aluminum Modular Truss 12" WITH SPLICE PLATE - Maximum Superimposed Loads													
Truss braced at 15'OC maximum													
Span (feet)	Self Weight (plf)	Self Weight Deflection	Uniformly Distributed			Center Point Loads		Third Point Loads		Quarter Point Loads		Fifth Point Loads	
			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	2623	13116	0.062	8084	0.065	5546	0.067	4116	0.071	3277	0.065
10	9.3	0.002	964	9636	0.193	6286	0.223	4786	0.278	3192	0.250	2397	0.248
15	10.8	0.010	563	8436	0.546	4174	0.464	2883	0.548	2008	0.513	1598	0.533
20	10.3	0.030	268	5356	0.837	3222	0.812	2013	0.874	1428	0.880	1052	0.831
25	11	0.074	184	4596	1.407	2272	1.179	1656	1.436	1107	1.359	722	1.424
30	10.2	0.152	129	3876	2.074	1850	1.696	1384	2.125	925	1.991	789	2.143
35	11.7	0.285	90	3146	2.850	1581	2.444	1132	2.950	757	2.772	618	2.857
40	10.8	0.479	54	2146	3.286	1153	2.890	811	3.461	543	3.381	440	3.362

Aluminum Modular Truss 12" WITH SPLICE PLATE (excludes self weight)- Maximum Total Load													
Truss braced at 15'OC maximum													
Span (feet)	Self Weight (plf)		Uniformly Distributed			Center Point Loads		Third Point Loads		Quarter Point Loads		Fifth Point Loads	
			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		2633	13166	0.062	8134	0.065	5571	0.067	4132	0.071	3290	0.065
10	93		973	9729	0.193	6357	0.222	4833	0.278	3223	0.250	2421	0.248
15	162		573	8598	0.546	4302	0.463	2955	0.548	2056	0.513	1636	0.533
20	205		278	5561	0.837	3383	0.809	2104	0.874	1489	0.879	1100	0.831
25	275		195	4871	1.407	2491	1.172	1779	1.437	1189	1.357	786	1.424
30	305		139	4181	2.074	2089	1.681	1520	2.127	1016	1.988	860	2.144
35	408		101	3554	2.850	1911	2.416	1316	2.953	880	2.776	714	2.859
40	430		64	2576	3.286	1495	2.842	1004	3.466	672	3.371	540	3.364