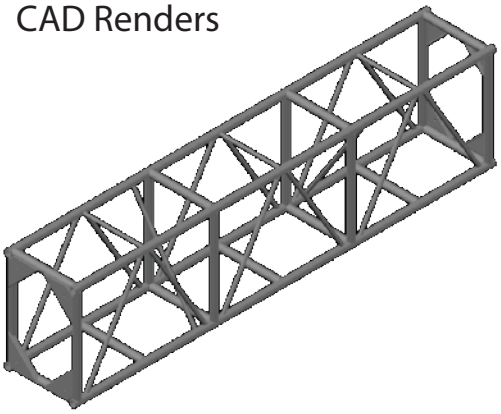
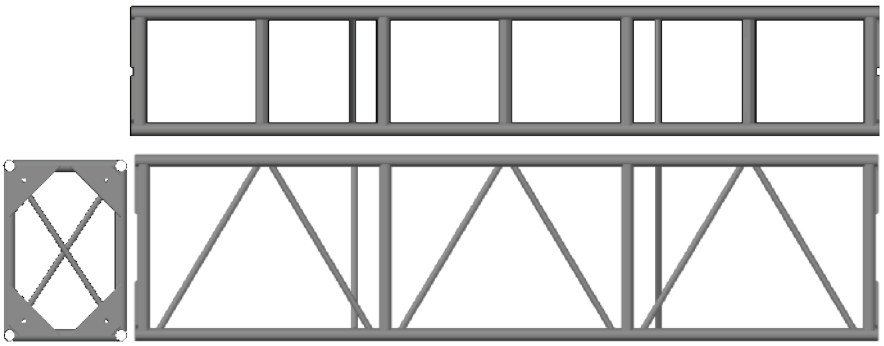
20.5" x 30" Box Truss

CAD Renders





Load Data

Heavy Duty Bolted Truss 20" X 30" designed by Tyler Truss Systems

Span (in.)	Weight (#)	Maximum Allowable Uniform Load			Maximum Allowable Center Point Load		Maximum Allowable Quarter Point Load			Maximum Allowable Third Point Load		
		Load (plf)	Total Load (#)	Deflection (in)	Load (#)	Deflection (in)	Load (#)	Total Load (#)	Deflection (in)	Load (#)	Total Load (#)	Deflection (in)
120	56	520	5200	0.06	4500	0.09	1000	3000	0.04	2220	4440	0.07
240	112	220	4400	0.20	2416	0.19	1196	3588	0.21	1750	3500	0.22
360	168	102	3060	0.41	1536	0.35	768	2304	0.40	1148	2296	0.42
480	224	52	2080	0.66	1076	0.57	536	1608	0.65	804	1608	0.69
600	280	30	1500	0.99	788	0.88	392	1176	0.99	590	1180	1.05

Loading values show maximum loads between supports in addition to the self-weight of the truss
Loading values are based on proprietary information provided by Tyler Truss System
Loading values are based on 5356 filler wire
Calculations are based on the 2000 Aluminum Design Manual and the ninth addition of the Steel Construction Manual, ASD
In all instances where aluminum comes in contact with another metal, provided dielectric separation
Charts should be reviewed and certified by a state licensed Professional Engineer

Super Duty Forkened Truss 20" X 30" designed by Tyler Truss Systems

Span (in.)	Weight (#)	Maximum Allowable Uniform Load			Maximum Allowable Center Point Load		Maximum Allowable Quarter Point Load			Maximum Allowable Third Point Load		
		Load (plf)	Total Load (#)	Deflection (in)	Load (#)	Deflection (in)	Load (#)	Total Load (#)	Deflection (in)	Load (#)	Total Load (#)	Deflection (in)
120	56	520	5200	0.06	4500	0.09	1000 (2600)	3000 (7800)	0.04 (0.09)	2220	4440	0.07
240	112	220	4400	0.20	2800	0.28	1200 (1500)	3600 (4500)	0.21 (0.25)	1750	3500	0.21
360	168	140	4200	0.56	1460	0.73	1180 (1400)	3540 (4200)	0.59 (0.68)	1720	3440	0.61
480	221	110	4400	1.30	3000	1.45	1120	3360	1.26	1600	3200	1.28
600	285	80	4000	2.28	2300	2.14	960	2200	2.00	1600	3200	2.15

Loading values show maximum loads between supports in addition to the self-weight of the truss
Loading values are based on proprietary information provided by Tyler Truss System
Loading values are based on 5356 filler wire
Calculations are based on the 2000 Aluminum Design Manual and the ninth addition of the Steel Construction Manual, ASD
In all instances where aluminum comes in contact with another metal, provided dielectric separation
Charts should be reviewed and certified by a state licensed Professional Engineer

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