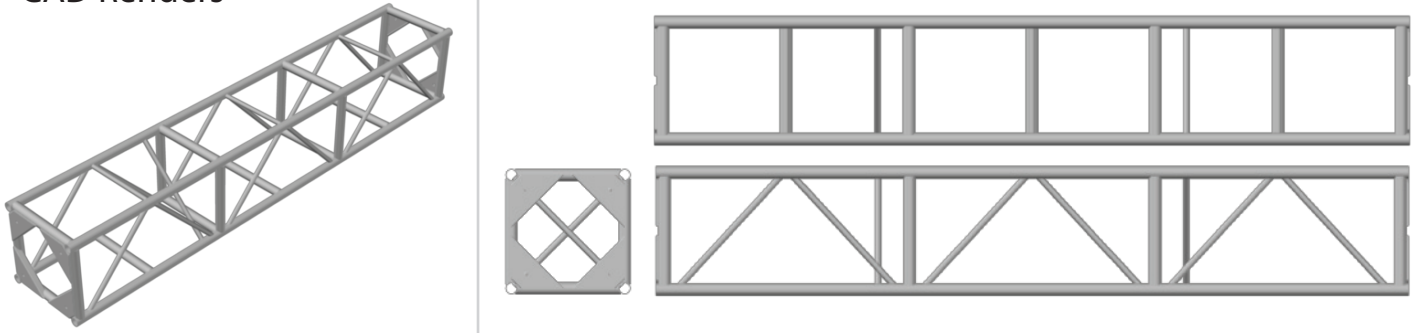


20.5"x20.5" Box Truss

CAD Renders



Load Data

ALLOWABLE LOAD DATA

Medium Duty Forkened Truss 20" X 20" 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	74	492	4920	0.13	4720	0.17	1570	4710	0.11	2360	4720	0.14
240	148	236	4720	0.44	2700	0.43	1550	4650	0.55	2320	4640	0.58
360	222	155	4650	1.32	2500	1.16	1410	4230	1.56	1400	2800	1.08
480	296	88	3520	2.31	1776	1.93	890	2670	2.24	1330	2660	2.38
600	370	56	2800	3.66	1600	3.41	780	2340	3.77	1030	2060	3.66
720	444	35	2100	5.04	1060	4.25	530	1590	4.86	800	1600	5.18

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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 Orlando, FL 32832
 Signature: *Lawrence Fischer* 5/19/06 Date



Medium Duty Bolting Truss 20 1/2" x 20 1/2" designed by Tyler Truss Systems

Span (ft.)	Weight (#)	Maximum Allowable Uniform Load			Maximum Allowable Center Point Load	
		Load (plf)	Total Load (#)	Deflection (in)	Load (#)	Max. Deflection (in)
10'	75.4	780	7800	0.14	5500	0.18
20'	150.8	162	3240	0.55	1520	0.44
30'	226.2	97	2910	1.26	1520	1.09
40'	301.6	40	1600	1.97	760	1.55
50'	377	26	1300	3.13	760	2.96

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
 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

PROFESSIONAL ENGINEERING STAMP

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