

Load table "A" - xTruss General Purpose 1616

Span		Uniformly Distributed Load				Deflection		4-pt load				Deflection		3-pt load				Deflection		2-pt load				Deflection		1-pt load (center)			
		Maximum load						Max load per point						Max load per point				Max load per point				Max load per point				Max load per point			
ft	m	lbs/ft	kg/m	lbs	kg	in	mm	lbs/pt	kg/pt	in	mm	lbs/pt	kg/pt	in	mm	lbs/pt	kg/pt	in	mm	lbs/pt	kg/pt	in	mm	lbs	kg	in	mm		
8	2.42	750	1116.1	6000	2722.0	0.17	4.32	1400	635.0	0.17	4.32	1700	771.0	0.18	4.57	2520	1143.0	0.19	4.83	3100*	1406.0	0.19	4.83						
16	4.85	345	513.4	5520	2504.0	0.38	9.65	1200	544.5	0.38	9.65	1420	644.0	0.37	9.40	2075	941.5	0.35	8.89	2750	1247.5	0.35	8.89						
24	7.27	160	238.1	3840	1742.0	0.70	17.78	810	367.5	0.70	17.78	970	440.0	0.68	17.27	1480	671.5	0.67	17.02	1910	866.5	0.67	17.02						
32	9.70	94	139.9	3008	1364.5	1.26	32.00	635	288.0	1.26	32.00	760	345.0	1.24	31.50	1125	510.0	1.21	30.73	1495	678.0	1.18	29.97						
40	12.12	55	81.9	2200	998.0	1.95	49.53	460	209.0	1.95	49.53	550	249.5	1.91	48.51	825	375.0	1.88	47.75	1100	500.0	1.86	47.24						

NOTES:

* xTruss concentrated point load is limited by chord capacity on a 8ft span.

Total load must never exceed the rated loads as per chart above

All loads and ratings evaluated according to ANSI E1.21, Aluminium Design Manual and Canada NBC 2015 Code.

Rated capacity are for static loads with truss supported by slings at each end upper main chords.

End supports assume a sling angle of 60 degrees or more (vs horizontal)

If dynamic load conditions are present, truss rated capacity shall be reduced accordingly