

# A small selection of miscellaneous additional available trusses

Load data 30" x 36" truss with steel fork or omni connection



span (ft)	Uniform Loads			Center Pt. Load		Third Pt. Load		Quarter Pt. Load	
	load (plf)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)
10	989	9886	0.018	4434	0.013	2217	0.011	2793	0.019
20	488	9759	0.145	4307	0.103	2153	0.088	2750	0.155
30	321	9631	0.488	4179	0.345	2090	0.296	2708	0.520
40	207	8266	1.014	4052	0.808	2026	0.697	2066	0.966
50	128	6383	1.584	3192	1.296	1962	1.351	1596	1.512
60	85	5086	2.281	2543	1.884	1898	2.316	1271	2.182
70	59	4122	3.105	2061	2.594	1546	3.161	1031	2.977
80	42	3368	4.055	1684	3.433	1263	4.124	842	3.900
90	31	2753	5.132	1376	4.408	1032	5.213	688	4.951
100	16	1581	5.155	790	4.584	593	5.228	395	5.012

External Dimensions 30" w. x 36" h.  
 Connection Centers 28" x 34"  
 Material Type 6061-T6 Aluminum  
 Connector Type Steel Fork or Omni Connectors  
 Maximum Certified Span 100ft

Load data 30" x 30" wide heavy duty truss



span (ft)	Uniform Loads			Center Pt. Load		Third Pt. Load		Quarter Pt. Load	
	load (plf)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)
5	1925	9624	0.005	6571	0.005	3285	0.004	3208	0.006
10	958	9581	0.037	6528	0.041	3264	0.035	3194	0.047
15	636	9539	0.126	5655	0.120	3243	0.117	2828	0.142
20	420	8408	0.265	4204	0.213	3153	0.271	2102	0.252
25	266	6650	0.414	3325	0.334	2494	0.423	1663	0.394
30	182	5464	0.596	2732	0.482	2049	0.609	1366	0.567
35	132	4604	0.811	2302	0.659	1727	0.828	1151	0.773
40	99	3949	1.059	1975	0.864	1481	1.081	987	1.011
45	76	3430	1.341	1715	1.100	1286	1.368	858	1.280
50	60	3006	1.655	1503	1.365	1127	1.687	752	1.583
55	48	2652	2.003	1326	1.662	994	2.041	663	1.918
60	39	2349	2.384	1175	1.992	881	2.427	587	2.286

External Dimensions 30" w. x 30" h.  
 Connection Centers 23.28" x 23.28"  
 Material Type 6061-T6 Aluminum  
 Connector Type 5/8" Grade 8 Steel nuts & bolts  
 Maximum Certified Span 60ft

Load Data 30" x 30" wide heavy duty truss with 3/16" wall thickness chords and reinforced plates



span (ft)	Uniform Loads			Center Pt. Load		Third Pt. Load		Quarter Pt. Load	
	load (plf)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)
10	782	7820	0.020	7825	0.030	3912	0.030	2608	0.030
20	387	7740	0.170	5470	0.190	3867	0.230	2578	0.210
30	238	7140	0.530	3572	0.440	2679	0.550	1786	0.510
40	130	5200	0.950	2600	0.780	1950	1.000	1300	0.920
50	80	4000	1.500	1999	1.240	1499	1.550	1000	1.450
60	53	3180	2.180	1583	1.830	1188	2.240	792	2.100
70	36	2520	2.990	1273	2.540	955	3.080	637	2.900
80	26	2080	3.950	1030	3.400	772	4.050	515	3.830

External Dimensions 30" w. x 30" h.  
 Connection Centers 23.28" x 23.28"  
 Material Type 6061-T6 Aluminum  
 Connector Type 5/8" Grade 8 Steel nuts & bolts  
 Maximum Certified Span 80ft

24" x 24" Truss



span (ft)	Uniform Loads			Center Pt. Load		Third Pt. Load		Quarter Pt. Load	
	load (plf)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)
5	1293	6466	0.005	4922	0.006	2461	0.005	2155	0.006
10	643	6428	0.041	4883	0.049	2442	0.042	2143	0.051
15	426	6390	0.137	4436	0.152	2423	0.142	2130	0.173
20	318	6352	0.325	3294	0.271	2403	0.335	1647	0.321
25	208	5201	0.527	2600	0.425	1950	0.538	1300	0.501
30	142	4264	0.758	2132	0.614	1599	0.774	1066	0.722
35	102	3584	1.032	1792	0.840	1344	1.054	896	0.984
40	77	3064	1.348	1532	1.103	1149	1.376	766	1.287
45	59	2651	1.706	1326	1.404	994	1.740	663	1.631
50	46	2314	2.107	1157	1.745	868	2.147	578	2.016
55	37	2030	2.549	1015	2.127	761	2.596	508	2.444
60	30	1788	3.034	894	2.551	670	3.087	447	2.913

External Dimensions 24" w. x 24" h.  
 Connection Centers 17.28" x 17.28"  
 Material Type 6061-T6 Aluminum  
 Connector Type 5/8" Grade 8 Steel nuts & bolts  
 Maximum Certified Span 60R Span

Generic Medium Duty Truss with 3/16" wall thickness chords



span (ft)	Uniform Loads			Center Pt. Load		Third Pt. Load		Quarter Pt. Load	
	load (plf)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)
5	1241	6204	0.005	6204	0.008	3102	0.006	2068	0.006
10	616	6162	0.038	6162	0.061	3081	0.052	2054	0.048
15	408	6119	0.129	5604	0.187	3060	0.174	2040	0.162
20	304	6077	0.305	4166	0.333	3038	0.412	2026	0.384
25	241	6034	0.595	3295	0.522	2471	0.662	1647	0.617
30	180	5413	0.933	2706	0.755	2030	0.953	1353	0.888
35	130	4561	1.270	2280	1.031	1710	1.296	1140	1.210
40	98	3911	1.659	1955	1.353	1467	1.693	978	1.582
45	75	3396	2.099	1698	1.722	1274	2.141	849	2.005
50	60	2976	2.592	1488	2.138	1116	2.642	744	2.478
55	48	2624	3.136	1312	2.604	984	3.195	656	3.003
60	39	2324	3.732	1162	3.120	871	3.800	581	3.579

External Dimensions 20-1/2" w. x 20-1/2" h.  
 Connection Centers 13.78" x 13.78"  
 Material Type 6061-T6 Aluminum  
 Connector Type 5/8" Grade 8 Steel nuts & bolts  
 Maximum Certified Span 60ft

18" x 18" Truss



span (ft)	Uniform Loads			Center Pt. Load		Third Pt. Load		Quarter Pt. Load	
	load (plf)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)
5	1219	6095	0.009	4928	0.012	2464	0.010	2032	0.011
10	606	6063	0.072	4870	0.093	2448	0.080	2021	0.092
15	402	6031	0.244	3220	0.209	2415	0.266	1610	0.248
20	239	4774	0.463	2387	0.373	1790	0.474	1194	0.441
25	150	3762	0.724	1881	0.585	1411	0.740	941	0.689
30	103	3077	1.043	1538	0.846	1154	1.065	769	0.994
35	74	2578	1.419	1289	1.158	967	1.448	645	1.354
40	55	2196	1.854	1098	1.522	823	1.891	549	1.771
45	42	1892	2.346	946	1.939	709	2.392	473	2.244
50	33	1642	2.897	821	2.412	616	2.951	411	2.775
55	26	1432	3.505	716	2.942	537	3.568	358	3.364
60	17	1019	3.577	509	3.057	382	3.635	255	3.447

External Dimensions 18" w. x 18" h.  
 Connection Centers 11.28" x 11.28"  
 Material Type 6061-T6 Aluminum  
 Connector Type 5/8" Grade 8 Steel nuts & bolts  
 Maximum Certified Span 60ft