



Span		Uniformly Distributed				Center Point Loads				Third Point Loads				Quarter Point Loads				TOTAL UNIT WEIGHT			
		UDL	Total Load	Max. Defl.		Load	Max. Defl.		Load	Max. Defl.		Load	Max. Defl.		LBS	KG					
XSF 12" Bolted Utility Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	LBS	KG
5	1.52	2033	3165	10165	4811	0.04	1	6960	3157	0.04	1	4176	1894	0.04	1	3093	1403	0.04	1		
10	3.05	553	823	5530	2510	0.17	4	2766	1255	0.13	3	2075	941	0.17	4	1383	628	0.16	4		
15	4.57	277	412	4155	1885	0.43	11	1935	878	0.32	8	1354	614	0.38	10	934	424	0.37	9		
20	6.1	134	199	2680	1216	0.66	17	1342	609	0.54	14	1007	457	0.68	17	671	305	0.63	16		
25	7.62	88	131	2200	998	1.11	28	1066	484	0.88	22	767	348	1.06	27	522	237	1.01	26		
30	9.14	56	83	1680	762	1.48	38	850	386	1.22	31	637	289	1.53	39	425	193	1.43	36		
35	10.67	40	60	1400	635	2.12	54	686	311	1.74	44	500	227	2.07	53	338	154	1.97	50		
40	12.19	29	43	1160	526	2.62	67	582	264	2.19	56	434	197	2.67	68	291	132	2.52	64		
XSF 12" Spigoted Diamond Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	LBS	KG
10	3.05	1011	1508	10110	4586	0.21	5	6330	2871	0.21	5	4748	2154	0.21	5	3165	1436	0.21	5		
20	6.1	375	559	6180	2803	1.04	26	3098	1405	1.04	26	2323	1054	1.04	26	1549	703	1.04	26		
30	9.14	41	61	3330	1510	2	51	1990	903	2	51	1225	556	2	51	878	398	2	51		
40	10.67	21	31	821	372	2.63	67	821	372	2.63	67	613	278	2.63	67	411	186	2.63	67		
50	12.19	11	16	288	131	2.63	67	288	131	2.63	67	216	98	2.63	67	144	65	2.63	67		
XSF 12" Spigoted Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	LBS	KG
10	3.05	1011	1508	10110	4596	0.21	5	6330	2871	0.21	5	4748	2153	0.27	7	3165	1435	0.25	6		
20	6.1	309	461	6180	2803	1.04	26	3098	1405	0.84	21	2323	1053	1.07	27	1549	702	1	25		
30	9.14	111	166	3330	1510	2	51	1990	902	1.91	49	1225	555	2	51	878	398	2	51		
40	12.19	41	61	1640	744	2.63	67	821	372	2.2	56	613	278	2.66	68	411	186	2.52	64		
50	15.24	11	16	550	249	2.63	67	288	130	2.33	59	216	97	2.66	68	144	65	2.56	65		
XSF 20.5" Bolted Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	LBS	KG
5	1.52	1957	2920	9785	4438	0.01	0	9787	4439	0.02	1	4894	2219	0.01	0	3262	1479	0.01	0		
10	3.05	976	1456	9760	4427	0.09	2	5863	2659	0.08	2	4398	1994	0.11	3	2932	1329	0.1	3		
15	4.57	593	885	8895	4035	0.27	7	4135	1875	0.2	5	2895	1313	0.24	6	1996	905	0.23	6		
20	6.1	287	428	5740	2604	0.41	10	2876	1304	0.33	8	2157	978	0.42	11	1438	652	0.4	10		
25	7.62	194	289	4850	2200	0.7	18	2330	1056	0.55	14	1677	760	0.66	17	1141	517	0.63	16		
30	9.14	123	184	3690	1674	0.93	24	1855	841	0.76	19	1391	630	0.95	24	927	420	0.89	23		
35	10.67	91	136	3185	1445	1.33	34	1557	706	1.07	27	1134	514	1.3	33	767	347	1.23	31		
40	12.19	66	98	2640	1198	1.65	42	1326	601	1.36	35	994	450	1.69	43	663	300	1.59	40		
45	13.72	53	79	2385	1082	2.17	55	1176	533	1.77	45	862	391	2.14	54	581	263	2.03	52		
50	15.24	39	58	1950	885	2.55	65	993	450	2.16	55	745	337	2.64	67	497	225	2.49	63		
XSF 20.5" Spigoted Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	LBS	KG
10	3.05	920	1373	9200	4173	0.06	2	9200	4173	0.09	2	4600	2087	0.08	2	3067	1391	0.07	2		
20	6.1	454	677	9080	4119	0.45	11	5968	2707	0.47	12	4476	2030	0.6	15	2984	1354	0.56	14		
30	9.14	259	386	7770	3524	1.32	34	3893	1766	1.07	27	2920	1324	1.35	34	1946	883	1.26	32		
40	12.19	141	210	5640	2558	2.36	60	2830	1284	1.92	49	2122	963	2.41	61	1415	642	2.25	57		
50	15.24	77	115	3850	1746	3.33	85	2172	985	3.02	77	1424	646	3.33	85	1021	463	3.33	85		
24"x30" Spigoted Pre-Rigged Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	LBS	KG
10	3.05	1956	2918	19560	8872	0.05	1	17783	8066	0.08	2	9780	4436	0.07	2	6520	2957	0.07	2		
20	6.1	879	1312	17580	7974	0.38	10	8791	3988	0.32	8	6594	2991	0.39	10	4396	1994	0.36	9		
30	9.14	383	571	11490	5212	0.85	22	5750	2608	0.69	18	4312	1956	0.87	22	2875	1304	0.81	21		
40	12.19	209	312	8360	3792	1.51	38	4165	1889	1.23	31	3147	1427	1.55	39	2098	952	1.45	37		
50	15.24	129	192	6450	2926	2.36	60	3236	1468	1.94	49	2427	1101	2.42	61	1618	734	2.26	57		
60	18.29	80	119	4800	2177	3.21	82	2409	1093	2.67	68	1807	820	3.29	84	1205	547	3.09	78		



		Uniformly Distributed						Center Point Loads				Third Point Loads				Quarter Point Loads				Piece Weight	
Span		UDL		Total Load		Max. Defl.		Load		Max. Defl.		Load		Max. Defl.		Load		Max. Defl.		Load	
Tomcat 12" Light Duty Plated Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs
10	3.05	446	665	4460	2023	0.14	4	2231	1012	0.11	3	1673	759	0.14	4	1116	506	0.13	3	60	27
20	6.1	103	153	2120	962	0.54	14	1063	482	0.44	11	797	362	0.56	14	531	241	0.52	13	120	54
30	9.14	43	64	1290	585	1.22	31	650	295	1.01	26	487	221	1.25	32	325	147	1.17	30	180	82
40	12.21	21	31	840	381	2.16	55	426	193	1.85	47	319	145	2.21	56	213	97	2.1	53	240	109
Tomcat 20.5" Medium Duty Plated Truss																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs
10	3.05	839	1252	8390	3806	0.08	2	4744	2152	0.07	2	3558	1614	0.09	2	2372	1076	0.08	2	85	39
20	6.1	230	343	4600	2087	0.34	9	2306	1046	0.27	7	1729	784	0.35	9	1153	523	0.32	8	170	77
30	9.14	97	145	2910	1320	0.76	19	1464	664	0.62	16	1098	498	0.78	20	732	332	0.73	19	255	116
40	12.19	51	76	2040	925	1.36	35	1021	463	1.13	29	765	347	1.39	35	510	231	1.3	33	340	154
50	15.24	29	43	1450	658	2.1	53	737	334	1.8	46	553	251	2.16	55	369	167	2.05	52	425	193
5' Tyler GT Truss Spigot v2																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs
5	1.52	1185	1768	5925	2688	0.125	3	1870	848	0.06	2	2000	907	0.12	3	1400	635	0.12	3	104	47
10	3.05	1085	1617	10850	4921	0.301	8	4800	2177	0.265	7	2550	1157	0.23	6	1830	830	0.2	5	208	94
15	4.57	685	1021	10275	4661	0.659	17	1800	816	0.225	6	4050	1837	0.697	18	1720	780	0.59	15	312	142
20	6.1	494	736	9880	4481	1.332	34	4030	1828	0.951	24	2545	1154	0.96	24	2350	1066	1.24	31	416	189
25	7.62	264	393	6600	2994	1.666	42	1730	785	0.77	20	2395	1086	1.66	42	1575	714	1.56	40	520	236
30	9.14	154	229	4620	2096	2	51	2800	1270	2.003	51	1700	771	2	51	1205	547	2	51	624	283
8' Tyler GT Truss Spigot v2																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs
8	2.43	665	992	5320	4438	0.187	5	2065	937	0.14	4	1690	767	0.17	4	1335	606	0.18	5	128	58
16	4.87	555	828	8880	4427	0.677	17	4345	1971	0.6	15	1490	676	0.33	8	2070	939	0.63	16	256	116
24	7.31	295	440	7080	4035	1.584	40	2085	946	0.86	22	2550	1157	1.55	39	1440	653	1.24	31	384	174
32	9.75	125	187	4000	2604	2.08	53	2490	1129	2.13	54	1335	606	1.95	50	1070	485	2.13	54	512	232
40	12.19	63	94	2520	2200	2.66	68	1520	689	2.66	68	935	424	2.66	68	635	288	2.66	68	640	290
48	14.63	33	49	1584	1674	3.18	81	980	445	3.19	81	580	263	3.18	81	425	193	3.24	82	768	348
10' Tyler GT Truss Spigot v2																					
ft	m	lbs/f	kg/m	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs
10	3.05	690	1030	6900	3130	0.3	8	1630	739	0.12	3	2125	964	0.26	7	1745	792	0.29	7	144	65
20	6.1	400	597	8000	3629	1.18	30	3740	1696	0.97	25	2235	1014	0.9	23	1455	660	0.84	21	288	131
30	9.14	150	224	4500	2041	2	51	1445	655	1.12	28	1665	755	2	51	1175	533	2	51	432	196
40	12.19	62.5	93	2500	1082	2.68	55	1520	533	2.7	45	920	391	2.68	54	650	263	2.66	52	576	261
50	15.24	28	42	1400	635	3.3	84	880	399	3.34	85	520	236	3.32	84	375	170	3.34	85	720	327
60	18.29	13	19	780	354	4	102	485	220	4	102	285	129	4	102	205	93	4	102	864	392

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