



## 48" Generic XHD

Generic XHD is not really "generic", it is Total Structures proprietary solution for when seriously long spans and high load capacity is required. As it has a bolted connection it finds itself in the Generic range.

If XHD ("extra" heavy duty) still doesn't provide the span or capacity you require, then as with the rest of the Generic range, the OMNI truss might be sufficient.

### Facts

- Extra Heavy Duty truss is a great product for seriously long spans
- Commonly used in a ground support or roof system
- This truss is our largest standard product truss using a bolted connection

### Specifications Generic Extra Heavy Duty Truss 48'

	Imperial	Metric
Height:	24"	60,96 cm
Width:	48"	121,92 cm
Connection Centers: 17.3"w. x 41.3"h.		
Material:	6061-T6 Aluminium	
Connection:	5/8" Grade 8 Steel nuts & bolts	
Maximum Certified Span:	100ft	

# 48" Generic Loading data

## Imperial loading charts

Span (ft)	UDL			CPL		1/3 Point Load		1/4 Point Load	
	plf	lbs	in	lbs	in	lbs (2x)	in	lbs (3x)	in
10	1852	18518	0.027	9784	0.023	4892	0.019	4921	0.027
20	691	13821	0.161	6911	0.13	4824	0.154	3455	0.153
30	300	8987	0.363	4494	0.293	3370	0.37	2247	0.345
40	163	6503	0.645	3251	0.526	2438	0.658	1626	0.615
50	99	4957	1.008	2479	0.83	1859	1.027	1239	0.963
60	65	3882	1.451	1941	1.211	1456	1.478	970	1.931
70	44	3075	1.975	1537	1.673	1153	2.008	769	1.899
80	27	2125	2.352	1062	2.041	797	2.387	531	2.274
90	11	1033	2.352	516	2.137	387	2.376	258	2.298
100	3	285	2.352	143	2.271	107	2.361	71	2.322

## Metric loading charts

Span (m)	UDL			CPL		1/3 Point Load		1/4 Point Load	
	plf	kg/m	mm	kg/m	mm	kg/m	mm	kg/m (3x)	mm
3,0	840	8400	1	4438	1	2219	0	2232	1
6,1	313	6269	4	3135	3	2188	4	1567	4
9,1	136	4076	9	2038	7	1529	9	1019	9
12,2	74	2950	16	1475	13	1106	17	738	16
15,2	45	2248	26	1124	21	843	26	562	24
18,3	29	1761	37	880	31	660	38	440	49
21,3	20	1395	50	697	42	523	51	349	48
24,4	12	964	60	482	52	362	61	241	58
27,4	5	469	60	234	54	176	60	117	58
30,5	1	129	60	65	58	49	60	32	59