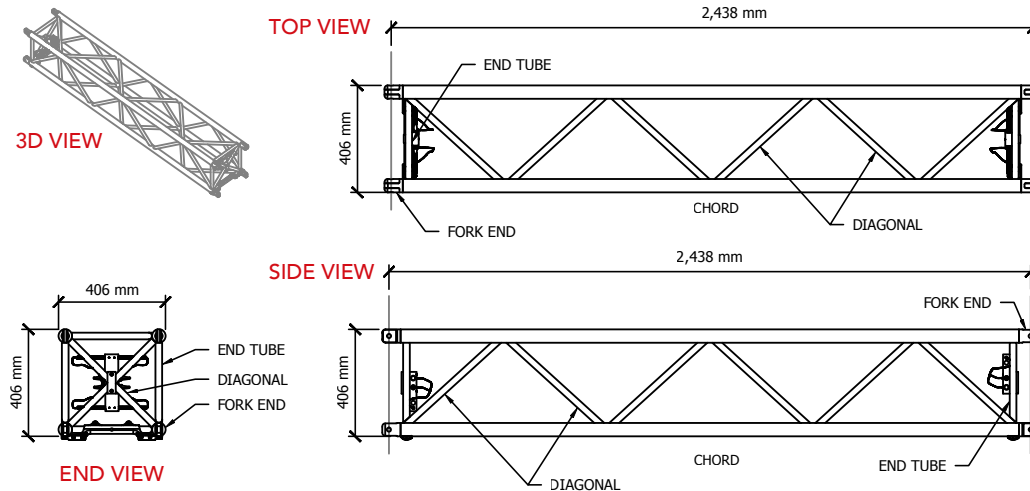


B Type 40 cm (16") Blk 243 cm (8') Truss

Medium Duty 16" wide x 16" high truss. Compatible with all other Christie B type truss lengths, curves, base mounts, hinges, end/face plates and link bars. Truss mallets and pins are supplied for assembly.










Diagonals	25mmx3mm TUBE
Chords	50mmx3mm TUBE
End Tube	25mmx3mm TUBE
Fork Ends	ALUMINUM

All Aluminum is 6082-T6 or 6061-T6
All weld filler is 4043

Christie Lites strongly recommends that you engage the services of a licensed engineering professional to analyze complex loading configurations and/or conditions.

LOADING TABLES | SINGLE SPAN

ULD 	CPL 	TPL 	QPL 	FPL 	EPL 	ULD on Cantilever 
Uniform Load	Centre Point Load	Third Point Load	Quarter Point Load	Fifth Point Load	End Point Load	ULD on Cantilever

Span [m]	ULD [kg/m]	Defl [mm]	CPL [kg]	Defl [mm]	TPL [kg]	Defl [mm]	QPL [kg]	Defl [mm]	FPL [kg]	Defl [mm]	SWT [kg]
1	4122	1	4122	2	2061	1	1374	1	1030	1	11
2	2161	3	2837	3	1793	3	1371	3	1080	2	21
3	1414	6	2143	5	1414	5	1119	6	931	4	31
4	939	10	1714	8	1161	9	939	9	737	8	41
5	608	14	1424	11	982	13	778	14	608	12	51
6	456	21	1215	16	848	18	655	19	516	17	61
7	336	28	1056	21	744	25	563	26	447	24	71
8	256	36	931	27	661	32	493	33	393	32	81
9	201	45	831	34	594	41	437	42	349	40	91
10	162	55	747	42	537	51	391	51	313	50	101
11	132	67	677	51	489	62	353	62	283	61	111
12	110	79	617	61	447	74	321	73	258	73	121
13	92	93	565	72	411	87	293	86	236	86	131
14	78	107	519	84	379	102	268	100	216	100	141
15	67	123	478	97	351	118	247	115	199	116	151

TRUSS TABLE | CANTILEVER

Length [m]	ULD [kg/m]	Defl [mm]	EPL [kg]	Defl [mm]	SWT [kg]
0,5	2165	1	2165	2	6
1,0	1556	2	1556	3	11
1,5	1062	3	1142	5	16
2,0	672	5	898	8	21
2,5	463	7	738	11	26
3,0	338	10	625	16	31
3,5	256	14	540	21	36
4,0	201	18	474	27	41

NOTES

- Span indicates distance between truss supports.
- Uniform loads shall be distributed evenly across both truss chords and can be applied to either top or bottom chords.
- 50 kg is the maximum point load that may be applied to truss chords between nodes.
- For truss to support indicated loads, nodes shall be hung from truss panel points only. Truss shall be oriented to ensure load is applied at nodes.
- For point loads at intervals not indicated, summarize the loads per meter of truss and verify for each that the UDL value of the span is not exceeded.
- Loads shown require trusses to be connected at end supports to each chord member (i.e. 4 connections ea end of truss).
- Capacity of additional support structures, components or connections are outside the scope of this analysis.