



Load Rating Chart

CT290 Load Data

CT290 truss sections are manufactured using 50mm (1.97") diameter x 2mm (.08") wall main tube and 20mm (.79") x 2mm (.08") wall diagonal tube, 6082-T6 aluminum alloy. The box truss is 290mm x 290mm (11.42" x 11.42") square.

Metric

Span (meters)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Center Point Load (kgs)	2768	2071	1377	1030	820	680	579	503	443	395	355	322	293	268	246	227
CP Deflection (mm)	1	3	7	13	21	30	41	53	67	83	100	119	140	162	186	212
Uniformly Distributed Load (kgs)	2768	2764	2755	2060	1640	1360	1158	1005	886	790	710	644	586	537	493	454
UDL Deflection (mm)	1	4	9	17	26	37	51	66	84	103	125	149	175	203	233	265

Load ratings are only valid static loads and spans with two supporting points. If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer.

Standard/Imperial

Span (feet)	3.28	6.56	9.84	13.12	16.40	19.69	22.97	26.25	29.53	32.81	36.09	39.37	42.65	45.93	49.21	52.49
Center Point Load (lbs)	6103	4567	3037	2270	1808	1499	1276	1108	977	871	783	709	646	592	544	501
CP Deflection (inches)	0.04	0.12	0.28	0.51	0.83	1.18	1.61	2.09	2.64	3.27	3.94	4.69	5.51	6.38	7.32	8.35
Uniformly Distributed Load (lbs)	6103	6094	6075	4541	3616	2998	2554	2217	1954	1741	1566	1420	1292	1185	1088	1001
UDL Deflection (inches)	0.04	0.16	0.35	0.67	1.02	1.46	2.01	2.60	3.31	4.06	4.92	5.87	6.89	7.99	9.17	10.43

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