

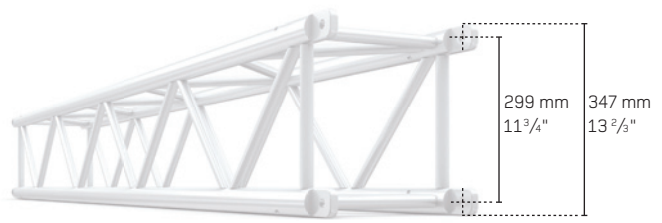
Capacity and possibilities

4GS-35 / 4GS-50



Our 4GS-35/50 range of modular aluminium systems is the ideal solution for large truss structures, towers & gantries. The tried, tested & trusted traditional fork & tongue connection is popular with rental companies worldwide with great performance and durability.

Custom lengths, junctions and curved sections can be produced to suit specific size or configuration requirements. Components can be supplied in either a Natural Mill (Satin) Aluminium or a variety of Powder Coated colours and finishes.



4GS-35

tubes	48 x 4,5 mm	1 7/8" x 3/16"	braces	25 x 3 mm	1" x 1/8"	alloy	EN - AW 6082 T6
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4GS-35																		
Span in m (ft)	4,00	13.12	6,00	19.69	8,00	26.25	10,00	32.81	12,00	39.37	14,00	45.93	16,00	52.50	18,00	59.06	19,00	62.34
point load in kg (lbs)	2636,10	5812.60	1740,80	3838.46	1288,10	2840.26	1012,50	2232.56	825,40	1820.01	688,90	1519.02	584,00	1287.72	500,30	1103.16	464,20	1023.56
deflection in mm (inch)	11,00	0.43	24,00	0.94	43,00	1.68	67,00	2.61	96,00	3.74	131,00	5.11	171,00	6.67	216,00	8.42	241,00	9.40
two point load in kg (lbs)	1977,10	4359.51	1305,60	2878.85	966,10	2130.25	759,30	1674.26	619,00	1364.90	516,70	1139.32	438,00	965.79	375,20	827.32	348,10	767.56
deflection in mm (inch)	14,00	0.55	31,00	1.21	55,00	2.15	85,00	3.32	123,00	4.80	167,00	6.51	218,00	8.50	276,00	10.76	308,00	12.01
distrib. loading in kg/m (lbs/ft)	1180,70	793.49	580,30	389.99	322,00	216.40	202,50	136.09	137,60	92.47	98,40	66.13	73,00	49.06	55,60	37.37	48,90	32.86
total distrib. loading in kg (lbs)	4722,80	10413.77	3481,80	7677.37	2576,00	5680.08	2025,00	4465.13	1651,20	3640.90	1377,60	3037.61	1168,00	2575.44	1000,80	2206.76	929,10	2048.67
deflection in mm (inch)	13,00	0.51	30,00	1.17	53,00	2.07	83,00	3.24	120,00	4.68	163,00	6.36	214,00	8.35	270,00	10.53	301,00	11.74

STANDARD LENGTHS AVAILABLE AND WEIGHTS

m (ft)	0,39	1.28	0,67	2.18	1,24	4.08	1,82	5.97	2,40	7.87	3,00	9.84	3,56	11.66	4,14	13.58
4GS-35 kg (lbs)	8,00	17.60	9,50	20.90	14,50	31.90	20,00	44.00	25,00	55.00	29,00	63.80	33,00	72.60	38,00	83.60

connection material (pins/clips) and packaging not included in above weights



4GS-50

tubes	48 x 4,5 mm	1 7/8" x 3/16"	braces	25 x 3 mm	1" x 1/8"	alloy	EN - AW 6082 T6
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4GS-50																		
Span in m (ft)	4.00	13.12	6.00	19.69	8.00	26.25	10.00	32.81	12.00	39.37	14.00	45.93	16.00	52.50	18.00	59.06	20.00	65.82
point load in kg (lbs)	3485,00	7684.43	2298,00	5067.09	1696,00	3739.68	1328,00	2928.24	1080,00	2381.40	896,00	1975.68	754,00	1662.57	641,00	1413.41	584,00	1287.72
deflection in mm (inch)	5,00	0.20	12,00	0.47	21,00	0.82	32,00	1.25	46,00	1.79	63,00	2.46	83,00	3.24	104,00	4.06	129,00	5.03
two point load in kg (lbs)	2494,00	5499.27	1723,00	3799.22	1272,00	2804.76	997,00	2198.39	809,00	1783.85	671,00	1479.56	566,00	1248.03	481,00	1060.61	410,00	904.05
deflection in mm (inch)	7,00	0.27	15,00	0.59	26,00	1.01	41,00	1.60	59,00	2.30	81,00	3.16	105,00	4.10	133,00	5.19	165,00	6.44
distrib. loading in kg/m (lbs/ft)	1271,00	854.18	765,00	514.12	423,00	284.28	265,00	178.09	179,00	120.30	127,00	85.35	93,00	62.50	71,00	47.72	54,00	36.29
total distrib. loading in kg (lbs)	5084,00	11210.22	4590,00	10120.95	3384,00	7461.72	2650,00	5843.25	2148,00	4736.34	1778,00	3920.49	1488,00	3281.04	1278,00	2817.99	1080,00	2381.40
deflection in mm (inch)	6,00	0.23	15,00	0.59	26,00	1.01	40,00	1.56	58,00	2.26	79,00	3.08	103,00	4.02	131,00	5.11	161,00	6.28


STANDARD LENGTHS AVAILABLE AND WEIGHTS

m (ft)	0,50	1,64	1,00	3,28	2,00	6,56	3,00	9,840	4,00	13,12
4GS-50 kg (lbs)	10,00	22,00	16,00	35,20	32,00	70,40	48,00	105,60	64,00	140,80

connection material (pins/clips) and packaging not included in above weights

metric data imperial data

point load in kg (lbs) 

two point load in kg (lbs) 

distrib. load (UDL) in kg/m (lbs/ft) 