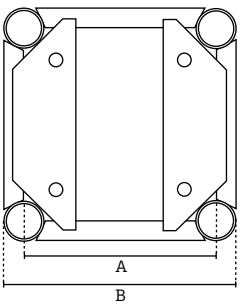
GP30

GP30 is a mid-sized, heavy-duty 30.5 x 30.5 cm (12" x 12") general-purpose truss for conferences, exhibitions and small venues. Strong and durable EN AW 6082T6 aluminium alloy is used for its 50.8 x 3.2 mm (2" x 1/8") main chords and 25.4 x 3.2 mm (1" x 1/8") diagonals. Due to the incorporation of sleeve blocks and towers, it can be used with our Ground Support System TT3.



Code:			4GP30
Main Chords:	mm	in	50.8x3.2 (2"x1/8")
Diagonals:	mm	in	25.4x3.2 (1"x1/8")
Alloy:			EN-AW-6082 T6
A	mm	in	254 (10")
B	mm	in	305 (12")
Connection:			M16 Bolt

Standard lengths and weights

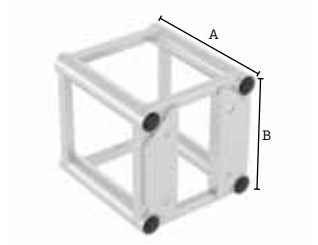
Code	4GP30-L500	4GP30-L1000	4GP30-L1500	4GP30-L2000	4GP30-L2500	4GP30-L3000	4GP30-L4000
Old code	JT B4750	JT B4704	JT B4703	JT B4702	JT B4701	JT B4700	JT B4709
m / ft	0.50 (1' 8")	1.00 (3' 3")	1.50 (4' 11")	2.00 (6' 7")	2.50 (8' 2")	3.00 (9' 10")	4.00 (13' 2")
kg / lbs	7.8 (17.20)	11.6 (25.58)	14.8 (32.63)	18.7 (41.23)	21.9 (48.29)	25.7 (56.67)	32.8 (72.32)

Loading chart

Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
2	1705	1.6	1705	1.3	1278.7	1.6	852.5	1.5	710.4	1.6
4	420.7	6.4	841.5	5.1	631.1	6.5	420.7	6.1	350.6	6.4
6	182.9	14.4	548.8	11.6	411.6	14.7	274.4	13.7	228.6	14.5
8	99.7	25.7	398.7	20.9	299	26.2	199.4	24.5	166.1	25.8
10	61.2	40.3	305.8	33.2	229.3	41	152.9	38.5	127.4	40.5
12	40.2	58.3	241.4	48.6	181	59.3	120.7	55.8	100.6	58.7
13	33.2	68.6	215.7	57.6	161.8	69.8	107.9	65.8	89.9	69
14	27.6	79.8	193.2	67.5	144.9	81.2	96.6	76.7	80.5	80.3
15	23.1	91.9	173.3	78.3	129.9	93.4	86.6	88.5	72.2	92.5
16	19.4	104.9	155.3	90.2	116.5	106.6	77.7	101.3	64.7	105.5

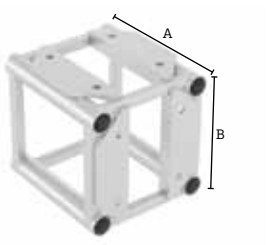
Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
ft	lbs/ft	in	lbs (2x)	in	lbs (3x)	in	lbs (3x)	in	lbs (4x)	in
6' 7"	1145.71	1/16"	3759.53	3/64"	2819.53	1/16"	1879.76	3/64"	1566.43	1/16"
13' 1"	282.70	1/4"	1855.51	3/16"	1391.58	1/4"	927.64	15/64"	773.07	1/4"
19' 8"	122.90	9/16"	1210.10	29/64"	907.58	37/64"	605.05	17/32"	504.06	9/16"
26' 3"	67.00	1"	879.13	13/16"	659.30	1 1/32"	439.68	61/64"	366.25	1 1/64"
32' 10"	41.12	1 37/64"	674.29	1 19/64"	505.61	1 39/64"	337.14	1 33/64"	280.92	1 19/32"
39' 4"	27.01	2 9/32"	532.29	1 29/32"	399.11	2 21/64"	266.14	2 3/16"	221.82	2 19/64"
42' 7"	22.31	2 11/16"	475.62	2 17/64"	356.77	2 47/64"	237.92	2 37/64"	198.23	2 45/64"
45' 11"	18.55	3 9/64"	426.01	2 21/32"	319.50	3 3/16"	213.00	3 1/64"	177.50	3 5/32"
49' 3"	15.52	3 39/64"	382.13	3 5/64"	286.43	3 43/64"	190.95	3 15/32"	159.20	3 41/64"
52' 6"	13.04	4 1/8"	342.44	3 35/64"	256.88	4 3/16"	171.33	3 63/64"	142.66	4 9/64"

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applies in the node points • Self-weight of the truss included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural calculations are based on EN 1991, EN 1993 and EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 / prEN 17115 • For any other application, or in case of an assembled structure contact JTE or a structural engineer • Included safety factors: self-weight 1.35 / loading 1.50



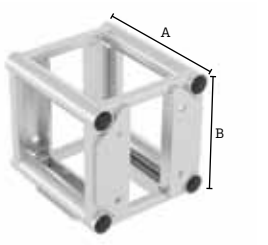
1 way corner

Code	kg	lbs	mm	in
4GP30-C1	**4.2** (9.26)		A **324** (12 3/4")	
Old code			B **305** (12")	
-				



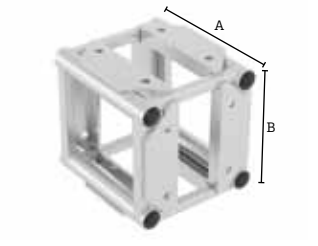
2 way corner

Code	kg	lbs	mm	in
4GP30-C2	**5.5** (12.13)		A **324** (12 3/4")	
Old code			B **314** (12 23/64")	
JT B4705				



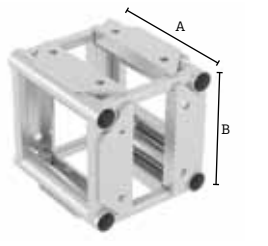
3 way corner

Code	kg	lbs	mm	in
4GP30-C3	**6.8** (14.99)		A **324** (12 3/4")	
Old code			B **314** (12 23/64")	
JT B4710				



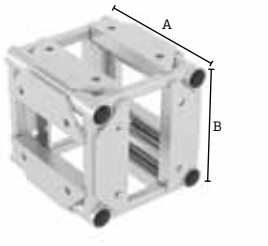
4 way corner

Code	kg	lbs	mm	in
4GP30-C4	**8.1** (17.86)		A **324** (12 3/4")	
Old code			B **324** (12 3/4")	
JT B4706				



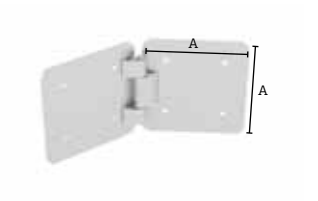
5 way corner

Code	kg	lbs	mm	in
4GP30-C5	**9.4** (20.73)		A **324** (12 3/4")	
Old code			B **324** (12 3/4")	
JT B4711				



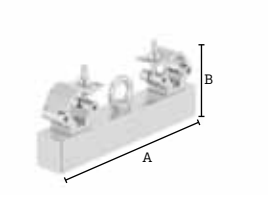
6 way corner

Code	kg	lbs	mm	in
4GP30-C6	**10.7** (23.59)		A **324** (12 3/4")	
Old code			B **324** (12 3/4")	
JT B4707				



Bookcorner

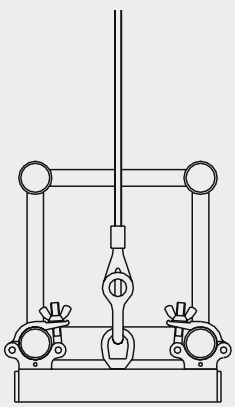
Code	kg	lbs	mm	in
4GP30-BC	**6.2** (13.67)		A **305** (12")	
Old code				
JT B4708				

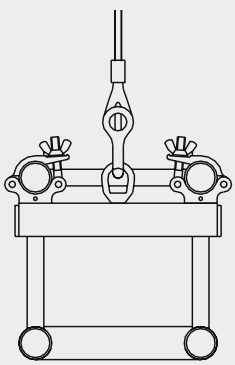


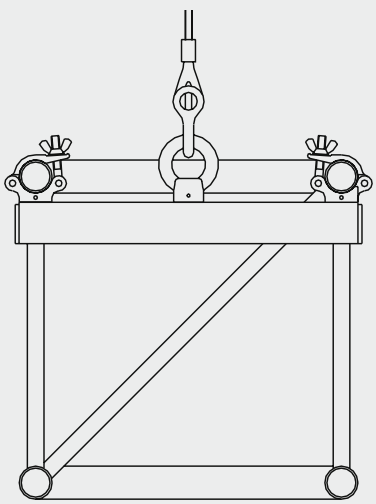
Ceiling support

Code	kg	lbs	mm	in
4GP30-CS	**2.4** (5.29)		A **366** (14 13/32")	
Old code			B **139** (5 15/32")	
JT B4712				

Lifting points







Truss Ceiling supports are designed to provide a „hard" attachment to trusses as an alternative to synthetic round slings. The Ceiling supports are designed to be attached under the bottom or top chords of a truss.