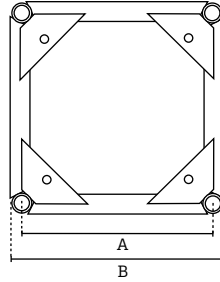


# GP52

52 x 52 cm (20.5" x 20.5") GP52 series truss is suitable for most lighting applications, Flying PA's and other general purpose uses. It features 50.8 x 3.2 mm (2" x 1/8") main chords and 25.4 x 3.2mm (1" x 1/8") diagonals made from EN-AW 6082T6 aluminium alloy. Perfect for rental and staging companies. This truss can also be supplied with castor wheels.



Code:		<b>4GP52</b>
Main Chords:	mm in	<b>50.8x3.2 (2"x1/8")</b>
Diagonals:	mm in	<b>25.4x3.2 (1"x1/8")</b>
Alloy:		<b>EN-AW-6082 T6</b>
A	mm in	<b>470 (18 1/2")</b>
B	mm in	<b>521 (20 1/2")</b>
Connection:		<b>M16 Bolt</b>

## Standard lengths and weights

Code	<b>4GP52-L500</b>	<b>4GP52-L1000</b>	<b>4GP52-L1500</b>	<b>4GP52-L2000</b>	<b>4GP52-L2500</b>	<b>4GP52-L3000</b>	<b>4GP52-L4000</b>
Old code	<b>JT B4450</b>	<b>JT B4405</b>	<b>JT B4404</b>	<b>JT B4403</b>	<b>JT B4402</b>	<b>JT B4401</b>	<b>JT B4400</b>
m ft	<b>0.50 (1' 8")</b>	<b>1.00 (3' 3")</b>	<b>1.50 (4' 11")</b>	<b>2.00 (6' 7")</b>	<b>2.50 (8' 2")</b>	<b>3.00 (9' 10")</b>	<b>4.00 (13' 2")</b>
kg lbs	<b>10.8 (23.81)</b>	<b>15.6 (34.40)</b>	<b>20.1 (44.32)</b>	<b>23.0 (50.72)</b>	<b>28.0 (61.74)</b>	<b>31.0 (68.36)</b>	<b>39.0 (86.00)</b>

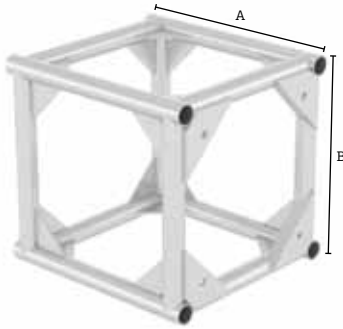
## Loading chart

Span m	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
2	1586.9	0.4	3173.7	0.7	1586.9	0.6	1057.9	0.6	793.4	0.5
4	788.4	3.5	1843.2	3.3	1382.4	4.2	921.6	3.9	768	4.1
6	404	9.2	1212	7.4	909	9.4	606	8.8	505	9.3
8	222.8	16.5	891.3	13.3	668.5	16.8	445.7	15.7	371.4	16.6
10	139	25.8	694.9	21	521.2	26.3	347.5	24.6	289.5	26
12	93.4	37.3	560.6	30.6	420.4	38	280.3	35.6	233.6	37.5
14	66	50.9	461.8	42.2	346.3	51.9	230.9	48.8	192.4	51.3
16	48.1	66.8	385.1	56	288.8	68	192.6	64.1	160.5	67.3
18	35.9	85	323.3	72.1	242.4	86.4	161.6	81.8	134.7	85.5
20	27.2	105.5	271.8	90.6	203.8	107.2	135.9	101.8	113.2	106.1

Span ft	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	lbs/ft	in	lbs (2x)	in	lbs (3x)	in	lbs (3x)	in	lbs (4x)	in
6' 7"	1066.35	1/64"	6998.01	1/64"	3499.11	1/64"	2332.67	1/64"	1749.45	1/64"
13' 1"	529.78	1/8"	4064.26	1/8"	3048.19	5/32"	2032.13	9/64"	1693.44	5/32"
19' 8"	271.48	23/64"	2672.46	9/32"	2004.35	23/64"	1336.23	11/32"	1113.53	23/64"
26' 3"	149.71	41/64"	1965.32	33/64"	1474.04	21/32"	982.77	39/64"	818.94	41/64"
32' 10"	93.40	1 1/64"	1532.25	13/16"	1149.25	1 1/32"	766.24	61/64"	638.35	1 1/64"
39' 4"	62.76	1 29/64"	1236.12	1 13/64"	926.98	1 31/64"	618.06	1 25/64"	515.09	1 15/32"
45' 11"	44.35	2 0"	1018.27	1 21/32"	763.59	2 1/32"	509.13	1 29/32"	424.24	2 1/64"
52' 6"	32.32	2 5/8"	849.15	2 13/64"	636.80	2 43/64"	424.68	2 33/64"	353.90	2 41/64"
59' 1"	24.12	3 11/32"	712.88	2 53/64"	534.49	3 25/64"	356.33	3 7/32"	297.01	3 23/64"
65' 7"	18.28	4 9/64"	599.32	3 9/16"	449.38	4 7/32"	299.66	4"	249.61	4 11/64"

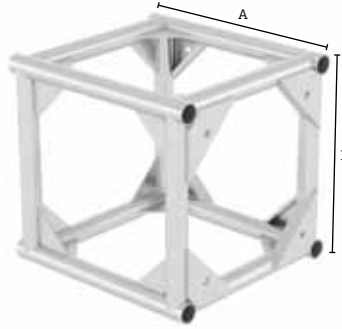
### All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied 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



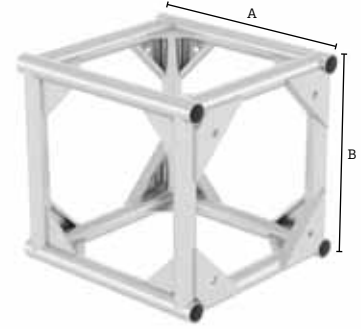
1 way corner

Code	kg	lbs	mm	in
<b>4GP52-C1</b>	<b>4.2</b>	(9.26)	<b>A 540</b>	(21 1/4")
Old code			<b>B 521</b>	(20 1/2")
-				



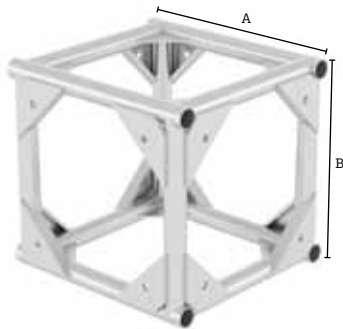
2 way corner

Code	kg	lbs	mm	in
<b>4GP52-C2</b>	<b>5.5</b>	(12.13)	<b>A 540</b>	(21 1/4")
Old code			<b>B 521</b>	(20 1/2")
<b>JT B4406</b>				



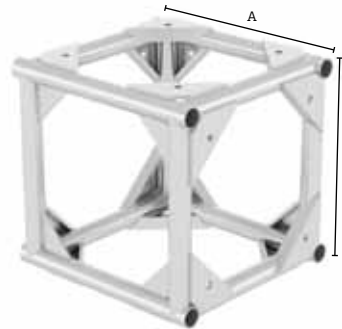
3 way corner

Code	kg	lbs	mm	in
<b>4GP52-C3</b>	<b>6.8</b>	(14.99)	<b>A 540</b>	(21 1/4")
Old code			<b>B 521</b>	(20 1/2")
<b>JT B4415</b>				



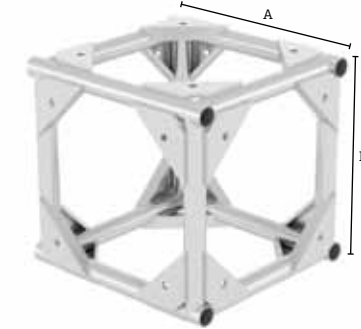
4 way corner

Code	kg	lbs	mm	in
<b>4GP52-C4</b>	<b>8.1</b>	(17.86)	<b>A 540</b>	(21 1/4")
Old code			<b>B 521</b>	(20 1/2")
<b>JT B4407</b>				



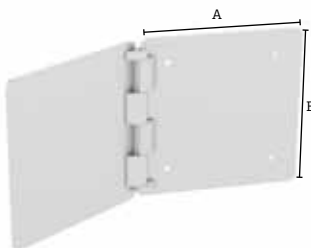
5 way corner

Code	kg	lbs	mm	in
<b>4GP52-C5</b>	<b>9.4</b>	(20.73)	<b>A 540</b>	(21 1/4")
Old code			<b>B 530</b>	(22 55/64")
<b>JT B4407A</b>				



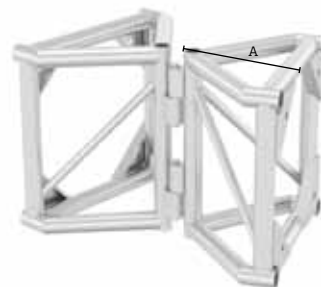
6 way corner

Code	kg	lbs	mm	in
<b>4GP52-C6</b>	<b>10.7</b>	(23.59)	<b>A 540</b>	(21 1/4")
Old code			<b>B 540</b>	(21 1/4")
<b>JT B4408</b>				



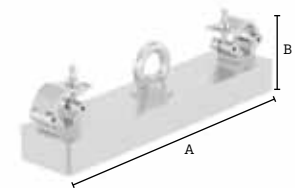
Book corner

Code	kg	lbs	mm	in
<b>4GP52-BC</b>	<b>16.2</b>	(35.72)	<b>A 521</b>	(20 1/2")
Old code				
<b>JT B4411</b>				



Pivot section 180°

Code	kg	lbs	mm	in
<b>4GP52-PS-180°</b>	<b>17.3</b>	(38.15)	<b>A 318</b>	(12 33/64")
Old code				
<b>JT B4410</b>				



Ceiling support

Code	kg	lbs	mm	in
<b>4GP52-CS</b>	<b>6.1</b>	(13.45)	<b>A 545</b>	(21 29/64")
Old code			<b>B 139</b>	(5 15/32")
<b>JT B1312</b>				