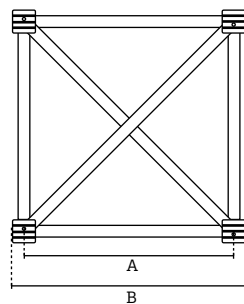


ST52

With the SuperTruss series, Thomas rethought truss design so it encompasses the changing demands of the touring industry. Its unique design features double end connectors, which are orientated so the truss elements are unisex (used in male or female configuration). Its 50 × 4 mm (2" × 5/32") main chords and 25.4 × 3.2 mm (1" × 1/8") diagonals are made from EN-AW 6082T6 aluminium. Transport space is optimized due to its extremely high strength-to-size ratio and the space saving design of the corners.



Code:		4ST52
Main Chords:	mm in	50x4 (2" x 5/32")
Diagonals:	mm in	25.4x3.2 (1" x 1/8")
Alloy:		EN-AW-6082 T6
A	mm in	469 (18 29/64")
B	mm in	521 (20 1/2")
Connection:		Fork/Pin

Standard lengths and weights

Code	4ST52-L500	4ST52-L1000	4ST52-L1500	4ST52-L2000	4ST52-L2500	4ST52-L3000
Old code	JT B1305A	JT B1310	JT B1315	JT B1320	JT B1325	JT B1330
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")
kg lbs	10.9 (24.03)	15.9 (35.06)	21.4 (47.19)	24.9 (54.90)	30.4 (67.03)	39.0 (86.00)

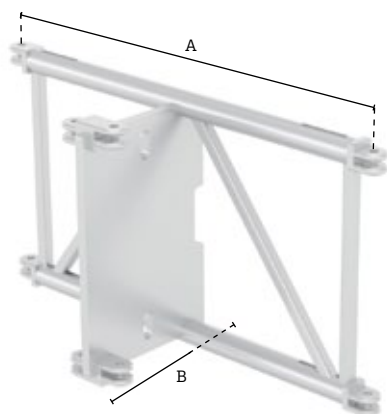
Loading chart

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
8	389.7	23.5	1943.4	23.4	1457.5	29.7	971.7	27.7	779.4	28.2
10	307	45.5	1534.9	36.7	1151.2	46.5	767.4	43.3	639.5	45.8
12	209.8	65.6	1258.9	53.2	944.2	67	629.4	62.5	524.5	66.1
14	151.2	89.5	1058.6	72.9	794	91.3	529.3	85.4	441.1	90.2
16	113.2	117.2	905.6	96	679.2	119.5	452.8	111.9	377.4	118
18	87.1	148.7	784.2	122.6	588.2	151.6	392.1	142.1	326.8	149.7
20	68.5	184.1	684.9	152.8	513.7	187.5	342.4	176.3	285.4	185.3
22	54.7	223.4	601.6	186.9	451.2	227.5	300.8	214.3	250.7	224.9
24	44.2	266.8	530.4	225	397.8	271.5	265.2	256.4	221	268.5
26	36	314.3	468.4	267.4	351.3	319.5	234.2	302.6	195.2	316.2

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
26' 3"	261.87	59/64"	4285.20	29/32"	3213.79	1 5/32"	2142.60	1 5/64"	1718.58	1 7/64"
32' 10"	206.29	1 25/32"	3384.45	1 7/16"	2538.40	1 53/64"	1692.12	1 45/64"	1410.10	1 51/64"
39' 4"	140.98	2 37/64"	2775.87	2 3/32"	2081.96	2 5/8"	1387.83	2 29/64"	1156.52	2 19/32"
45' 11"	101.60	3 33/64"	2334.21	2 55/64"	1750.77	3 19/32"	1167.11	3 23/64"	972.63	3 35/64"
52' 6"	76.07	4 39/64"	1996.85	3 49/64"	1497.64	4 45/64"	998.42	4 25/64"	832.17	4 41/64"
59' 1"	58.53	5 27/32"	1729.16	4 13/16"	1296.98	5 61/64"	864.58	5 19/32"	720.59	5 57/64"
65' 7"	46.03	7 15/64"	1510.20	6 1/64"	1132.71	7 3/8"	754.99	6 15/16"	629.31	7 9/32"
72' 2"	36.76	8 25/32"	1326.53	7 11/32"	994.90	8 61/64"	663.26	8 27/64"	552.79	8 27/32"
78' 9"	29.70	10 1/2"	1169.53	8 27/32"	877.15	10 11/16"	584.77	10 3/32"	487.31	10 9/16"
85' 4"	24.19	12 23/64"	1032.82	10 33/64"	774.62	12 37/64"	516.41	11 29/32"	430.42	12 7/16"

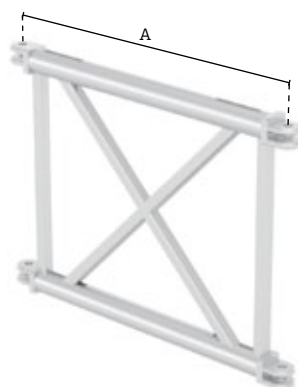
All truss loading calculations and TUV certifications are based on:

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



Corner gate 60°

Code	kg	lbs	mm	in
4ST52-G2-60°	14.3	(31.53)	A 912	(35 57/64")
Old code			B 315	(12 25/64")
JT B1300				



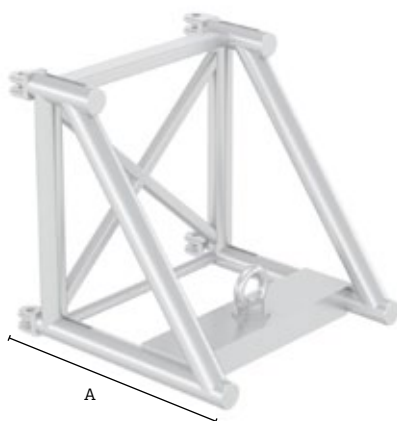
Corner gate 90°

Code	kg	lbs	mm	in
4ST52-G2-90°	5.0	(11.03)	A 663	(26 3/32")
Old code				
JT B1301				



Corner gate 120°

Code	kg	lbs	mm	in
4ST52-G2-120°	4.3	(9.48)	A 469	(18 29/64")
Old code				
JT B1304				



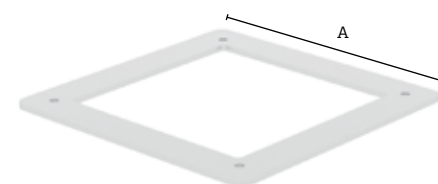
Corner gate 120° with lifting point

Code	kg	lbs	mm	in
4ST52-G2-120°LP	11.7	(25.80)	A 530	(20 55/64")
Old code				
JT B1305				



Corner gate 135°

Code	kg	lbs	mm	in
4ST52-G2-135°	3.9	(8.60)	A 359	(14 1/8")
Old code				
JT B1303				



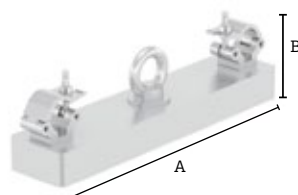
Gate support plate

Code	kg	lbs	mm	in
4ST52-GSP	4.9	(10.78)	A 576	(22 43/64")
Old code				
JT B1308				



Adapter ST52 - GP52

Code	kg	lbs	mm	in
AD-4ST52-4GP52	5.7	(12.57)	A 469	(18 29/64")
Old code				
JT B1311				



Ceiling support

Code	kg	lbs	mm	in
4ST52-CS	6.1	(13.45)	A 545	(21 29/64")
Old code			B 139	(5 15/32")
JT B1312				



Corner gate 120° with lifting point

Code	kg	lbs	mm	in
4ST52-G3-LPZ1	17	(37.5)	A 469	(18 29/64")
Old code				
JT B1305				