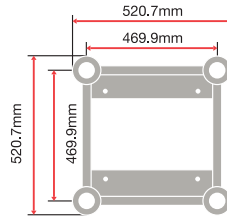


520Pro represents a large format solution to heavy duty load suspension for the touring and live production industry. Drawing on proven design techniques and facilitating compatibility with equivalent systems, 520Pro goes one step further by incorporating the latest jiggging and production techniques to allow higher accuracy and more robust long term performance. Available in a variety of sizes, and with the universal box corner, 520Pro provides the strength and flexibility to be the solution to any professional requirement.

Lengths Available				
1000mm	2000mm	3000mm	4000mm	5000mm
Product Code				
520P	S1000	S2000	S3000	S4000 S5000



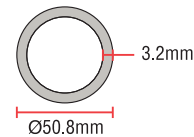
Connector Pack
Nuts, bolts
Product Code
520P/ACP

Construction
Material: 6082 T6 Aluminium
Main Chord: Ø50.8mm / 3.2mm wall
Diagonal Chord: Ø25.4mm / 3.2mm wall
Primary Horizontal Brace: Ø50.8mm / 3.2mm wall
Secondary Horizontal Brace: Ø25.4mm / 3.2mm wall

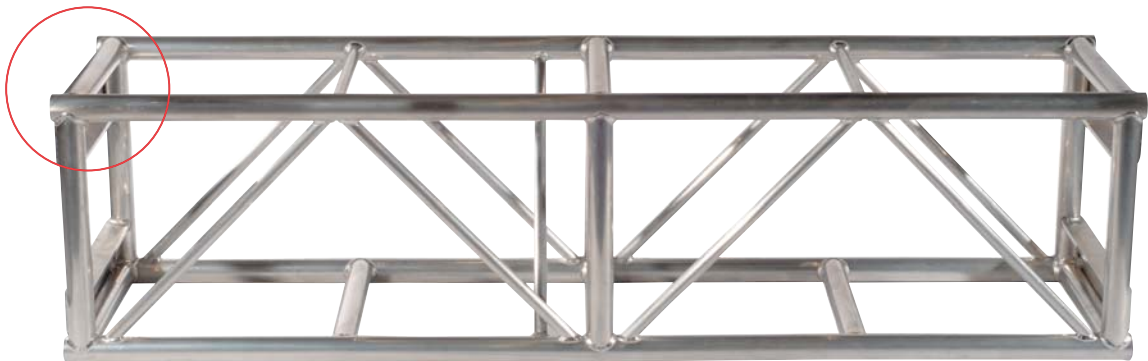
Connection Method B



B Included



Optimised Connection Plate greatly improves loading characteristics



520Pro

Span(m)	Total UDL (Kg)	Uniformly Distributed Load		Midpoint		Third Points	Quarter Points	Weight (Kg)
		Kg/m	Deflection (mm)	Kg	Deflection (mm)	Kg	Kg	
3	3542.00	1180.66	5.0	1771.00	5.0	1328.00	886.00	36.0
4	3532.00	883.00	10.0	1766.00	10.0	1325.00	883.00	48.0
5	3289.00	657.80	17.0	1644.00	17.0	1233.00	822.00	60.0
6	2721.00	453.50	22.0	1360.00	22.0	1020.00	680.00	72.0
7	2312.00	330.28	27.0	1156.00	27.0	867.00	578.00	84.0
8	2003.00	250.37	34.0	1001.00	34.0	751.00	501.00	96.0
9	1760.00	195.55	41.0	880.00	41.0	660.00	440.00	108.0
10	1564.00	156.40	49.0	782.00	49.0	587.00	391.00	120.0
11	1401.00	127.36	56.0	700.00	56.0	525.00	350.00	132.0
12	1263.00	105.25	65.0	632.00	65.0	473.00	316.00	144.0
13	1145.00	88.07	74.0	572.00	74.0	429.00	286.00	156.0
14	1043.00	74.50	84.0	521.00	84.0	391.00	261.00	168.0
15	940.00	62.66	94.0	588.00	94.0	341.00	247.00	180.0
16	811.00	50.68	100.0	507.00	100.0	297.00	213.00	192.0
17	700.00	41.17	106.0	438.00	106.0	257.00	187.00	204.0
18	604.00	33.55	113.0	378.00	113.0	219.00	159.00	216.0
19	517.00	27.21	119.0	323.00	119.0	190.00	136.00	228.0
20	441.00	22.05	125.0	276.00	125.0	162.00	116.00	240.0
21	374.00	17.85	131.0	234.00	131.0	136.00	99.00	252.0
22	312.00	14.18	138.0	195.00	138.0	115.00	82.00	264.0
23	256.00	11.13	144.0	160.00	144.0	94.00	67.00	276.0
24	206.00	8.58	150.0	129.00	150.0	75.00	54.00	288.0

This load chart has been prepared in accordance to BS8118, with certification to DIN4113. The calculations assume that the truss is a single span which is simply supported at the ends, and that the loads are applied to the node points of the truss. The self weight of the truss is taken into account when considering the above allowable loadings, and the total load applied must not exceed that shown in the load charts. The load chart above assumes static loads to a single truss span that is maintained in new condition. The user shall assume responsibility for the maintenance and safe use of trussing systems and dynamic loads. For information on complete structures or specific applications please consult Litestructures for advice.