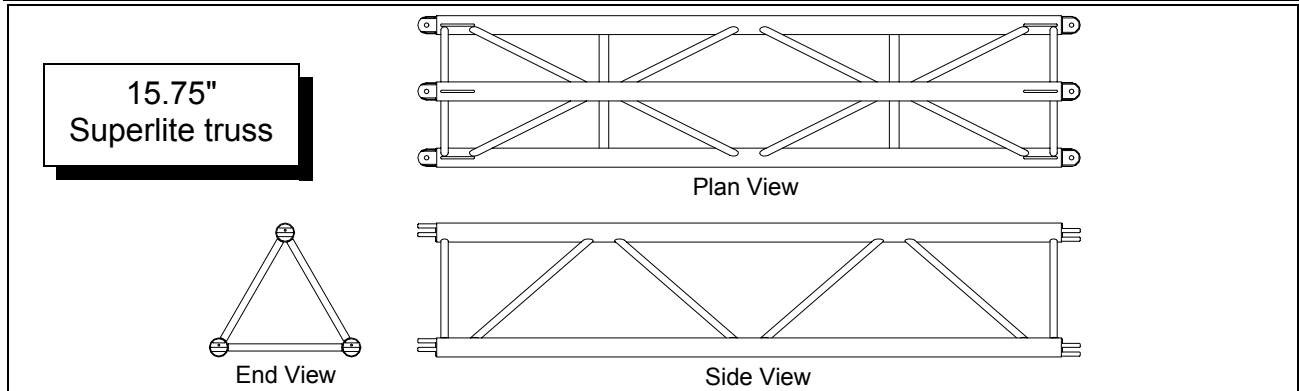
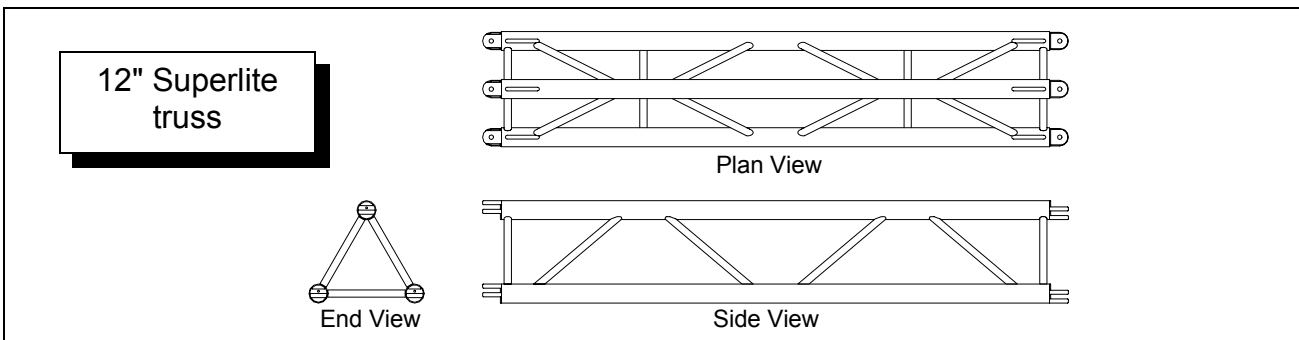


SUPERLITE TRUSS

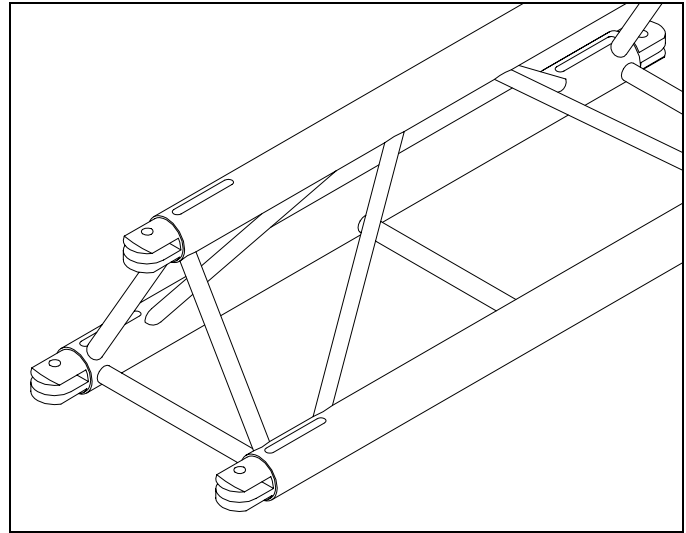
This lightweight truss is ideal for Exhibition, Conference and Small venue work. Using the Supertruss principle has enabled the manufacture of a competitively strong but lightweight truss with all the innovative space and time saving characteristics first demonstrated in Supertruss. Superlite is a 12" or 15.75" x 60 degree equilateral triangular truss manufactured from 6082T6 or 6061T6 alloy tube with 1.97" x 0.079" wall main tubes, 0.75" x 0.079" wall diagonals.

Superlite truss Type	12" (30.5cm) Superlite		15.75" (40cm) Superlite	
	Code	Lb	Code	Lb
12 foot Section	B1660	33.9	B2160	40
10 foot Section	B1661	27	B2161	33
8 foot Section	B1662	22	B2162	26.4
6 foot Section	B1663	16.5	B2163	20
5 foot Section	B1664	13.72	B2164	16.5
2.5 foot Section	B1665	7	B2165	8.3
3 meter Section	B1630	24.3	B2130	29.3
1 meter Section	B1610	11	B2110	13
2 Way Connection	B1602	8.3	B2102	10.5
2 Way joint Support Plate & Vertical Connecting Spigots	B1609	5.6	B2109	8
3 Way Connection complete	B1603	8.8	B2103	19
4 Way Connection complete	B1604	7.7	B2104	16.3
Base plate including 3 - Vertical spigots	B1601	5.8	B2101	8.7
Horizontal to Vertical Adapter	B1606	1	B1606	1
Horizontal to Vertical Joint Spigot	B1607	4.4	B1607	4.4
Vertical Connecting Spigot	B1608	0.77	B1608	0.77
Baby Tower sleeve plates per pair	B1611	10.8	B2111	13.5



SUPERLITE TRUSS

LOADING FIGURES show maximum loads between supports in addition to self weight of truss. Information extracted from structural report by The Broadhurst Partnership for truss manufactured after June 1994



Span feet (meters)	Maximum Allowable Uniform Loads		Maximum Allowable Center Point Loads	
	Loads pounds (kgs)	Maximum deflection inches (mm)	Loads pounds (kgs)	Maximum deflection inches (mm)
10 (3.048)	2028 (920)	0.43 (11)	1014 (460)	0.43 (11)
20 (6.096)	1585 (719)	1.18 (30)	793 (360)	1.18 (30)
30 (9.144)	644 (292)	2.5 (63)	322 (146)	2.5 (63)
40 (12.192)	406 (184)	3.0 (76)	202 (92)	3.0 (76)

LOADING FIGURES show maximum loads between supports in addition to self weight of truss. Information extracted from structural report by The Broadhurst Partnership. * Denotes load limited to suit maximum shear capacity. All loads include a 20% overload factor for dynamic effects.

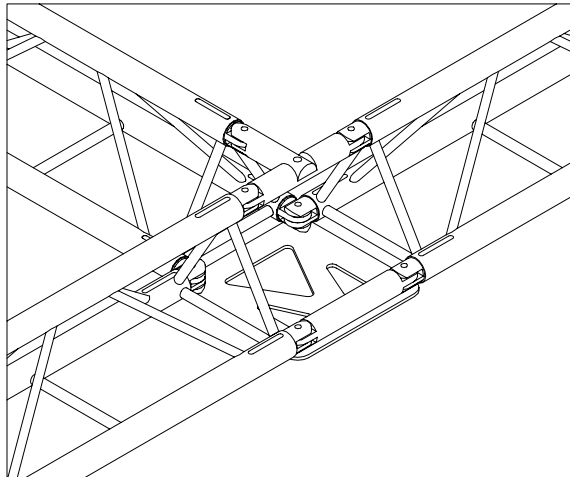
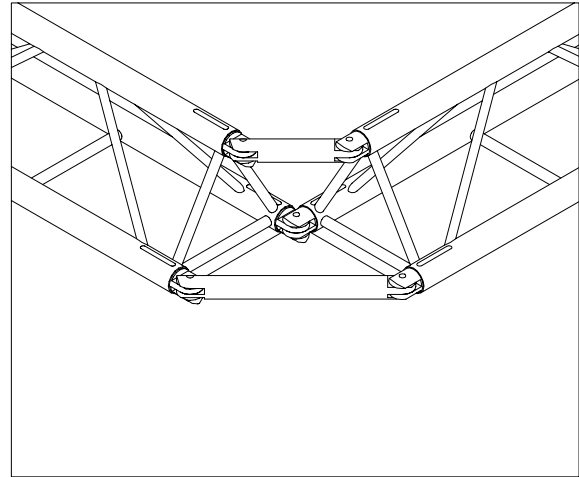
Span feet (meters)	Maximum Allowable Uniform Loads		Maximum Allowable Center Point Loads	
	Loads pounds (kgs)	Maximum deflection inches (mm)	Loads pounds (kgs)	Maximum deflection inches (mm)
10 (3.048)	2028 (920)	0.24 (6)	1014 (460)	0.24 (6)
20 (6.096)	2011 (912)	0.79 (20)	1005 (456)	0.79 (20)
30 (9.144)	1287 (584)	2.36 (60)	643 (292)	2.36 (60)
40 (12.192)	888 (403)	3.0 (76)	445 (202)	3.0 (76)
50 (15.24)	414 (188)	4.0 (102)	207 (94)	4.0 (102)
60 (18.29)	278 (126)	4.57 (116)	139 (63)	4.57 (116)

LOADING FIGURES show maximum loads between supports in addition to self weight of truss. Information extracted from structural report by The Broadhurst Partnership. * Denotes load limited to suit maximum shear capacity. All loads include a 20% overload factor for dynamic effects.

SUPERLITE TRUSS

B1602 - 2 Way Connection

The 2 way joint is simply made by connecting the inside truss spigots and inserting 2 double ended spigots to join the top and outer truss tubes together. All joints are pinned using 12mm Pins and "R" clips.

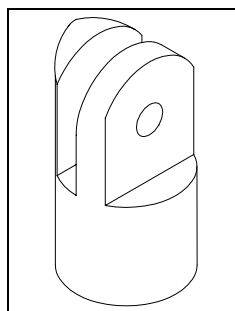
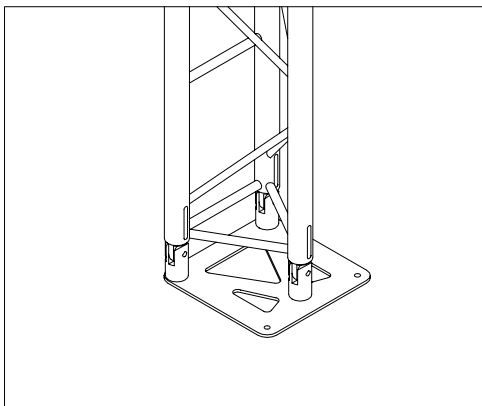
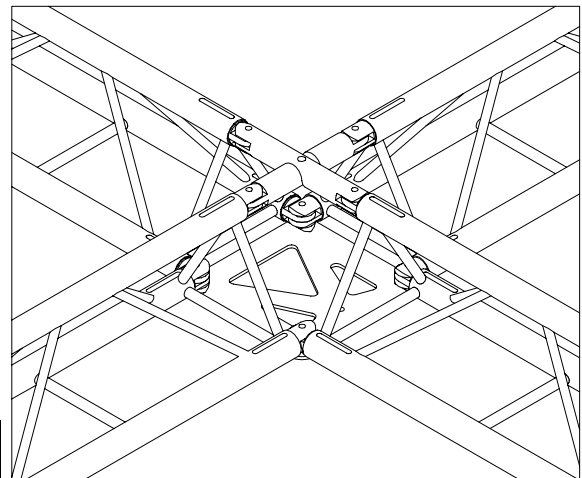


B1603 - 3 Way Connection

The 3 way joint is made by fitting a 30.5 cm plate below the bottom tubes of the truss locating through the spigot holes. Join the lower ends of the trusses together over the plate, adding the lower double ended spigot to the open bottom and join together with M12 bolt sets. Then connect the ends of the top tubes together using the "T" spigot, pinning with 12mm pins and "R" clips.

B1604 - 4 Way Connection

The 4 way joint is made by fitting a 30.5 cm plate below the bottom tubes of the truss locating through the spigot holes. Join the lower ends of the trusses together over the plate and fit M12 bolt sets. The top tubes are joined with a cross spigot and pinned together with 12mm pins and "R" clips.

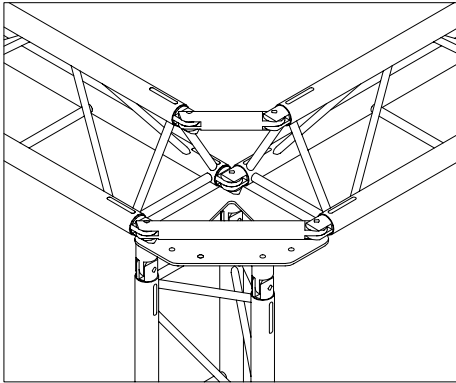


B1608 - Vertical connecting spigot

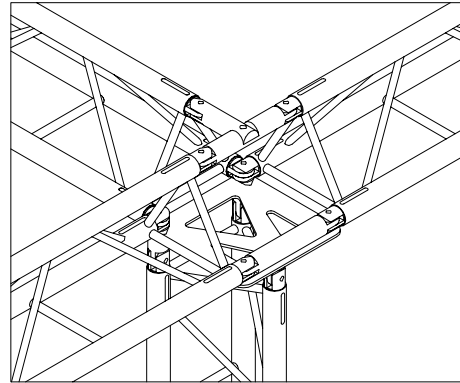
B1601 - Base Plate

The base plate is supplied with 3 vertical connecting spigots. This plate can also be used on 3 and 4 way joints as a support and vertical truss plate.

SUPERLITE TRUSS

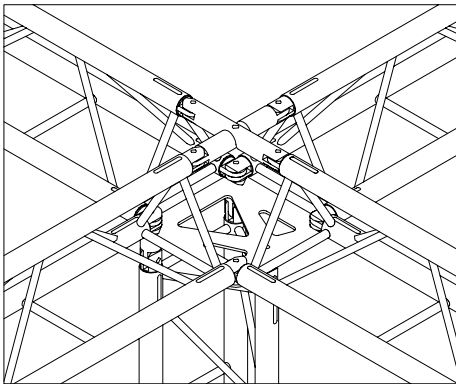


B1309 - 2 Way joint with vertical connecting spigots



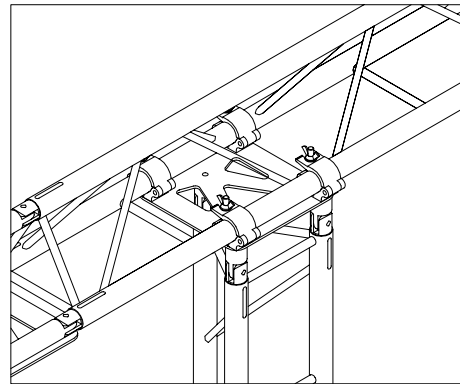
3 Way joint with vertical truss connected

Add 3 - B1608 vertical connecting spigots to 3 way connection.



4 Way joint with vertical truss connected

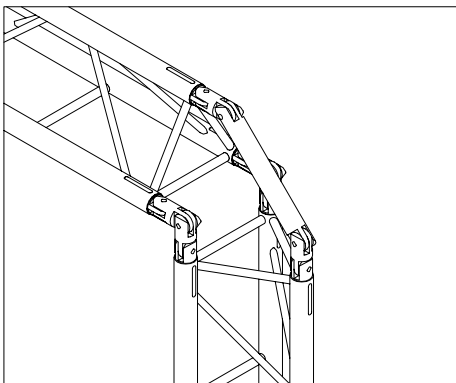
Add 3 - B1608 vertical connecting spigots to 4 way connection.



Vertical truss attached to horizontal truss

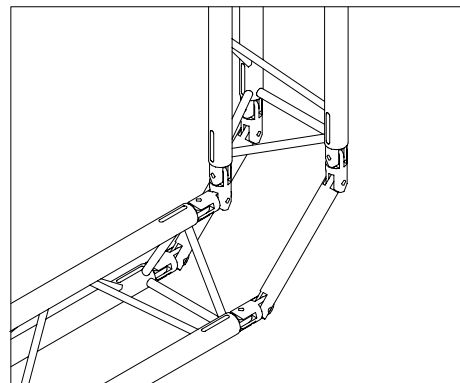
Using 4 half-couplers connected to the support plate.

Note: This method of attaching the vertical truss is 0.55" higher than on the above connection methods.



2 Way joint with Apex of truss facing outwards

Using 3 - B1606 Horizontal to Vertical Adapters & 1 - Horizontal to Vertical Joint Spigot.



2 Way joint with Apex of truss facing inwards

Using 3 - B1606 Horizontal to Vertical Adapters & 2 - Horizontal to Vertical Joint Spigots.