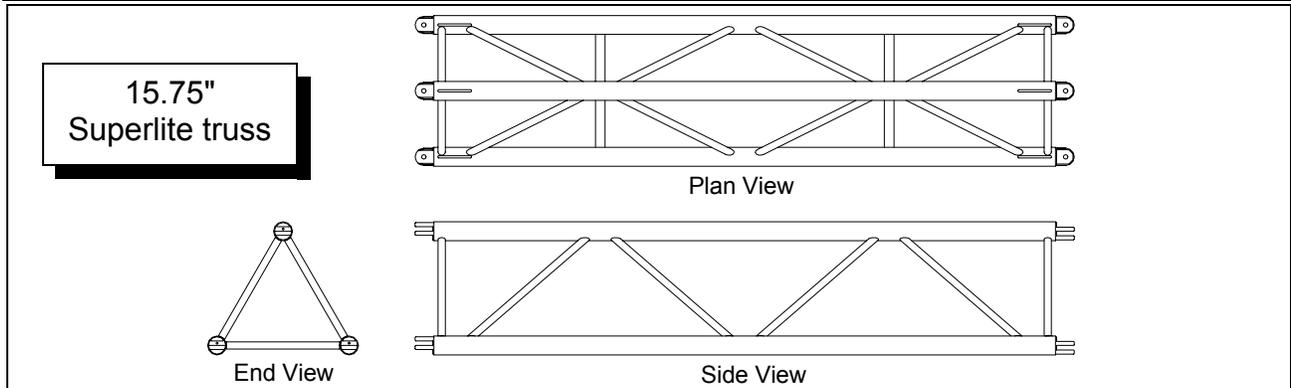
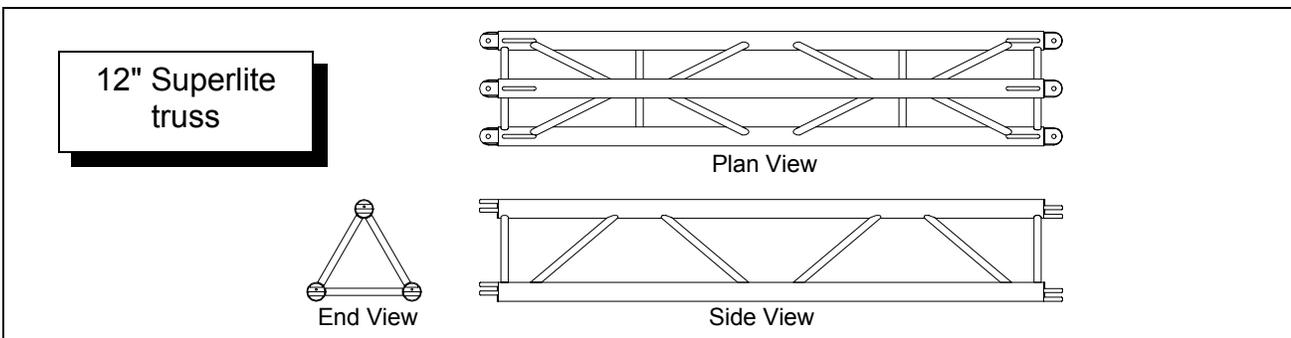


SUPERLITE TRUSS

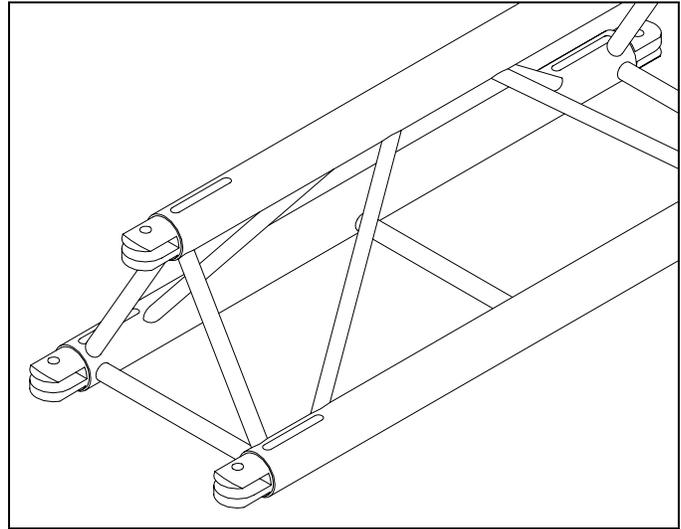
This lightweight truss is ideal for Exhibition, Conference and Small venue work. Using the Supertruss principle has enabled the manufacture of a competitively strong but lightweight truss with all the innovative space and time saving characteristics first demonstrated in Supertruss. Superlite is a 12" 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.

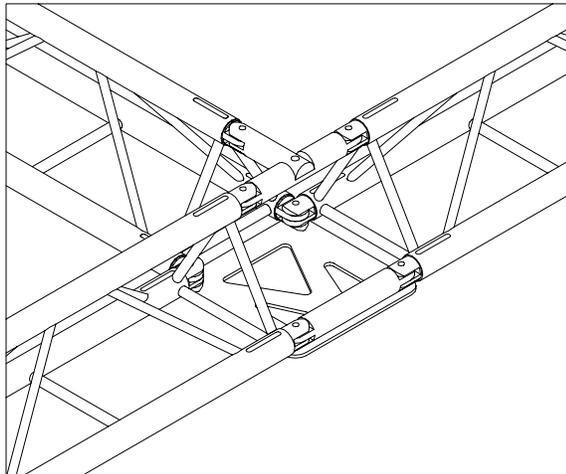
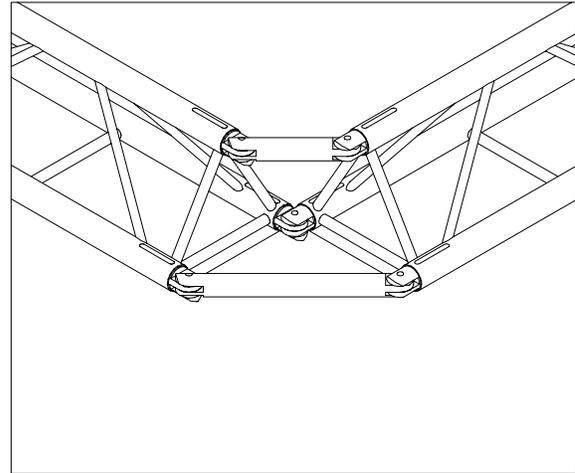
| Span feet (meters) | Maximum Allowable Uniform Loads | | Maximum Allowable Center Point Loads | |
|-----------------------|---------------------------------|-----------------------------------|--------------------------------------|-----------------------------------|
| | Loads pounds (kgs) | Maximum 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.

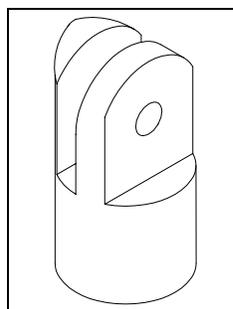
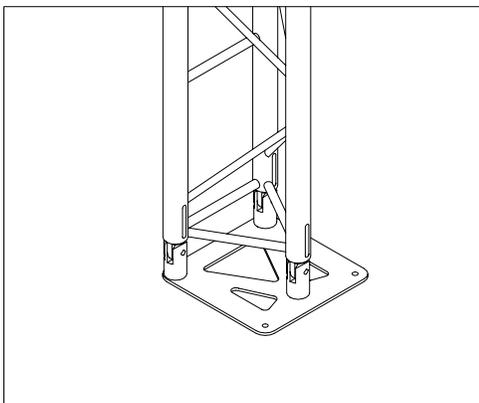
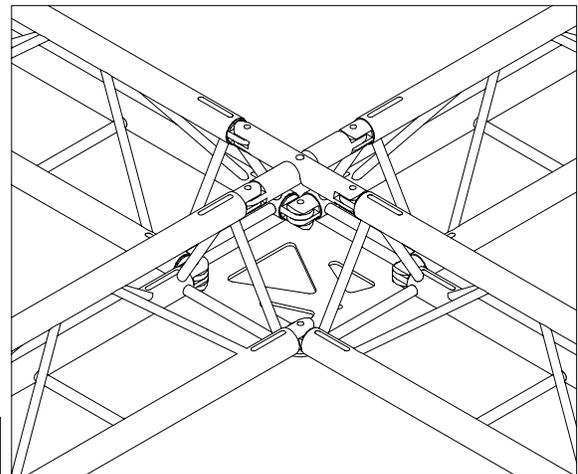


B1603 - 3 Way Connection

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.

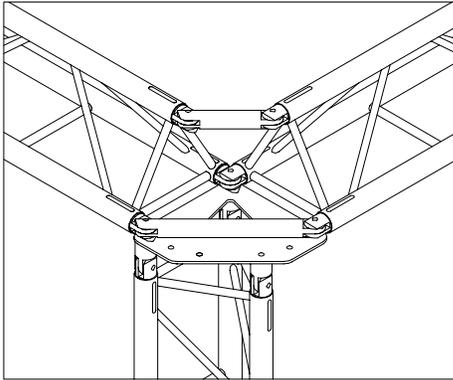


B1608 - Vertical connecting spigot

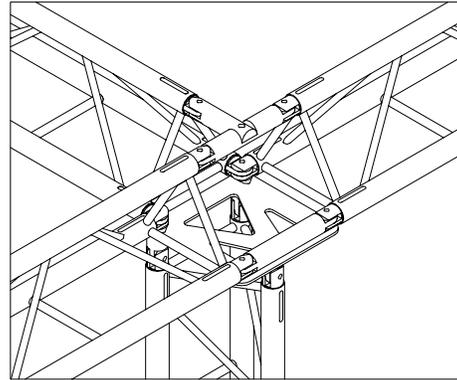
B1601 - Base Plate

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

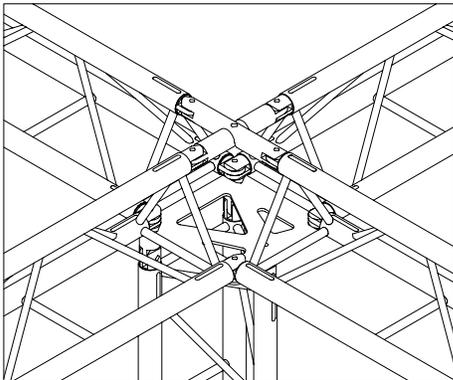


B1309 - 2 Way joint with vertical connecting spigots



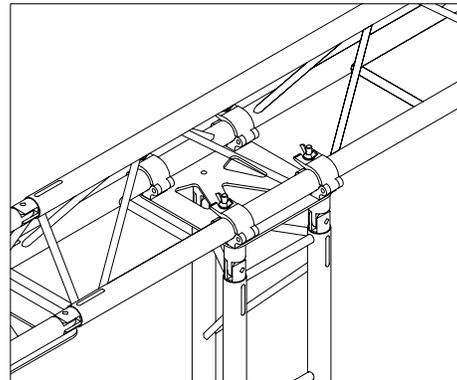
3 Way joint with vertical truss connected

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



4 Way joint with vertical truss connected

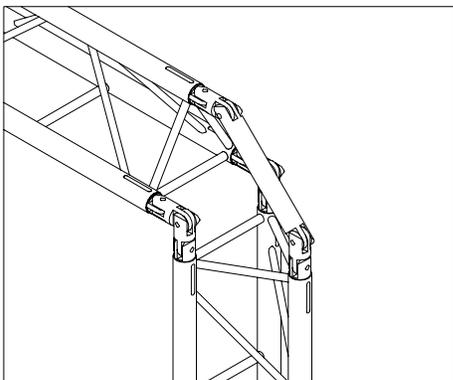
Add 3 - B1608 vertical connecting spigots to 4 way connection.



Vertical truss attached to horizontal truss

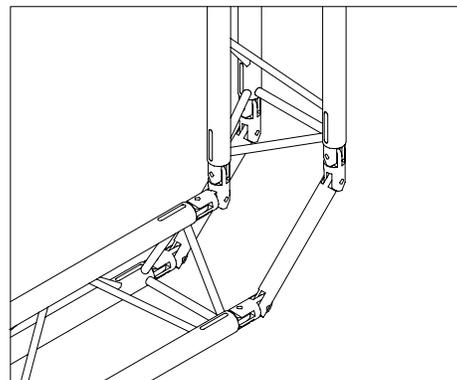
Using 4 half-couplers connected to the support plate.

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.