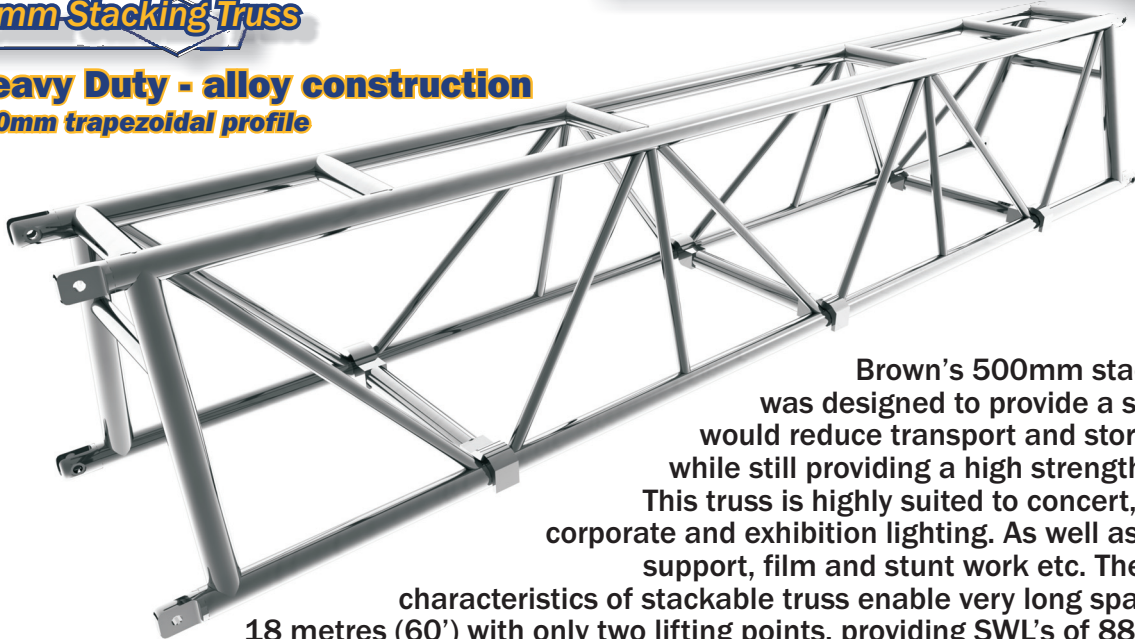




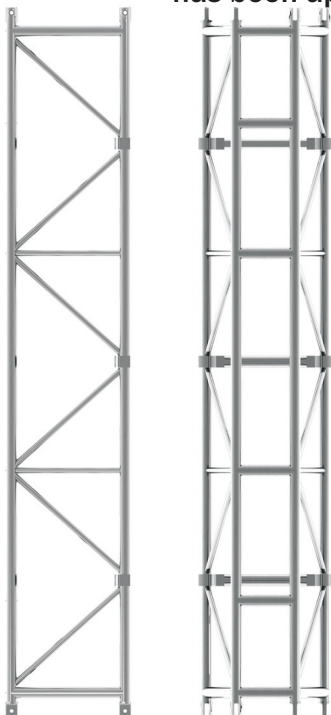
Load Data & Graphs

500mm Stacking Truss

Heavy Duty - alloy construction
500mm trapezoidal profile



Brown's 500mm stacking truss was designed to provide a system that would reduce transport and storage space, while still providing a high strength structure. This truss is highly suited to concert, theatrical, corporate and exhibition lighting. As well as video wall support, film and stunt work etc. The structural characteristics of stackable truss enable very long spans of up to 18 metres (60') with only two lifting points, providing SWL's of 88 kg /metre uniform distributed load and a centre point load of 591 kg (see chart below). *SWL's have been calculated for vertical static loads only and a safety factor of 1.85:1. has been applied. All load data derived from calculations based on a 3 metre length.



main chords & 90 deg. bracing: 48.5 x 4.5mm aluminium alloy
 diagonals & secondary 90 deg. bracing: 25 x 3mm aluminium alloy
 Connections via: M16 x 60mm case hardened plated lockpins through 16mm holes in couplers

SPAN in metres	max. allowable STATIC uniform loads		max. allowable STATIC point loads		
	LOAD kg/metre	LOAD kg	Centre point LOAD kg	Third point LOAD kg	Quarter point LOAD kg
3	855	2566	2567	1283	855
6	423	2539	2540	1269	846
9	279	2514	1886	1256	837
12	207	2484	1390	1216	695
15	144	2172	1087	954	543
18	88	1596	591	428	326

M16 x 60 case hardened zinc plated lockpins (pin & dip) through 16mm holes in couplers.

Data used in this chart prepared from independent calculations produced by:

A. F. Colafella & Associates structural & civil engineers.

All computations and computer analysis carried out in accordance with AS - 1664 (Aluminium Structures code)

All fabrication in accordance with AS- 1664 (Aluminium Structures code). Fabricated by fully certified welders.

Proposed loads & rigging method should be referred to and verified by a site engineer and/or a fully certified rigger

All points should be installed by a certified rigger. Loads have been calculated for **INDOOR USE ONLY**

ie **NO WINDLOADS** are considered, and assume a minimum of two lifting points: ie one at each end of the overall span.

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