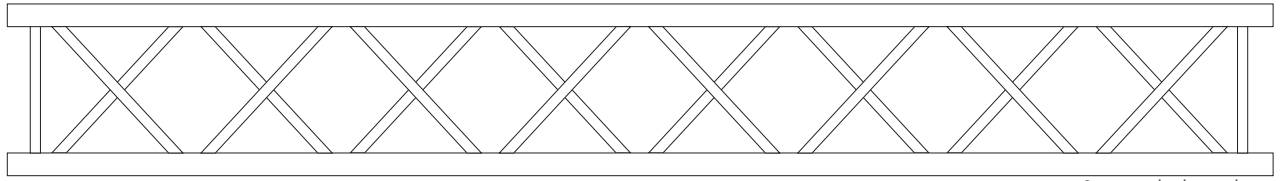
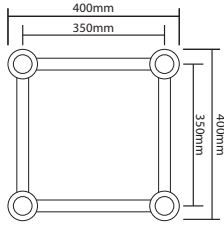


# 400mm Box Truss Data Sheet



3m example shown above.

### Certifications and compliance

Report No: 20181619M02  
 Independent Inspection & Testing Company: Alfa Test (ISO17025 & Nata Accreditation)  
 Location of Test: Alfa Test, Brisbane Laboratory, Qld

### Static load test & results

Test Procedure: TP 230  
 Test Spec: TP 230  
 Requirements: Uniformly loaded with 53kg weights at 1-meter increments & Centre point loaded with 367kg weights.  
 Tested length: Uniformly loaded over 15m span, Centre point loaded over 15m span.  
 Test Results: PASS

### Product specification

Description: Aluminium Box Truss System 400 x 400mm (Industry standard 400 truss)  
 Brand: Titan AV  
 Model Number: TR-SQ40  
 Product Specification:  
 • Connecting Cross Section: 350mm x 350mm  
 • Material (Main Tube, Brace & End connector): Aluminium 6082-T6  
 • Main Tubes: 50mm x 2 mm  
 • Braces: 25mm x 3mm

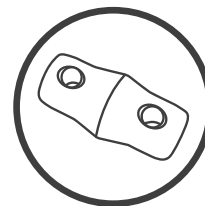


### Titan AV 400mm Box Truss Allowable Loading\* (TR-SQ40)

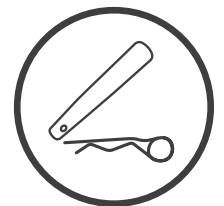
Span	Uniformly Distributed Load (UDL)	Deflection	Centre Point Load (CPL)	Deflection
M	KG/M	MM	KG	MM
1	795	9.0	734.0	6.9
2	398	9.7	708.0	7.4
3	265	10.4	682.0	7.9
4	199	11.3	656.0	8.6
5	159	12.4	630.0	9.4
6	133	13.6	604.0	10.3
7	114	15.0	578.0	11.4
8	99	17.0	552.0	12.8
9	88	19.4	526.0	14.7
10	79	22.6	500.0	17.2
11	72	27.0	474.0	20.6
12	66	34.0	448.0	25.8
13	61	45	422	34.3
14	57	68	396	51.5
15	53	136	370	103

### Titan AV 400mm Box Truss Product Range

VFM Part ID	Length	Weight of Length	Approved For Rigging
TR-SQ40-100	1.0 m	10.0 kg	Y
TR-SQ40-150	1.5 m	13.0 kg	Y
TR-SQ40-200	2.0 m	16.0 kg	Y
TR-SQ40-250	2.5 m	19.0 kg	Y
TR-SQ40-300	3.0 m	22.0 kg	Y



4 x Spigots included as standard



8 x Clips and Pins included as standard

\* PLEASE NOTE: Load table information is supplied as a guide only. Please consult your structural engineer for advice related to your application.