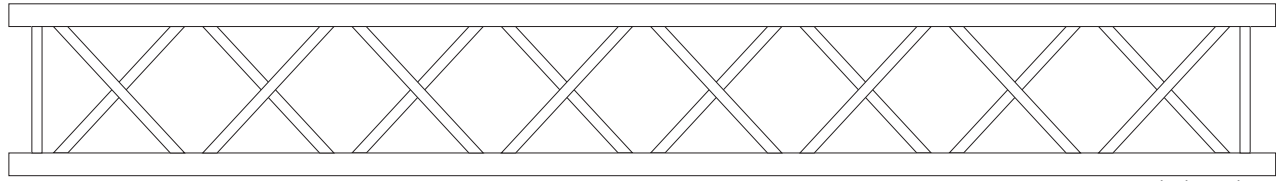
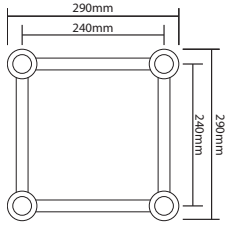


290mm Box Truss Data Sheet

Titan AV



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 58kg weights at 1-meter increments & Centre point loaded with 324kg weights.

Tested length: Uniformly loaded over 12m span, Centre point loaded over 12m span.

Test Results: PASS

Product specification

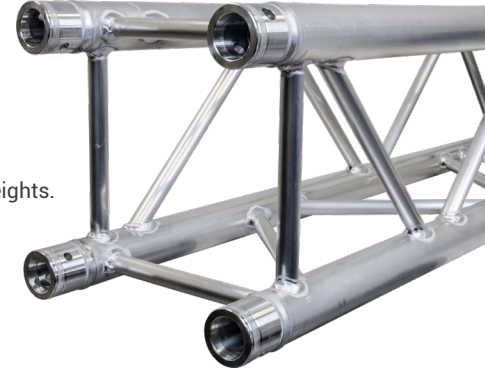
Description: Aluminium Box Truss System 300 x 300mm (Industry standard 290 truss)

Brand: Titan AV

Model Number: TR-SQ30

Product Specification:

- Connecting Cross Section: 240mm x 240mm
- Material (Main Tube, Brace & End connector): Aluminium 6082-T6
- Main Tubes: 50mm x 2 mm
- Braces: 20mm x 2mm

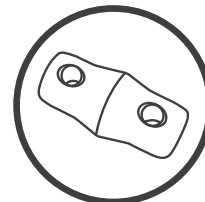


Titan AV 290mm Box Truss Allowable Loading* (TR-SQ30)

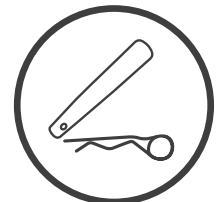
Span	Uniformly Distributed Load (UDL)	Deflection	Centre Point Load (CPL)	Deflection
M	KG/M	MM	KG	MM
1	700	10.1	611.0	8.0
2	350	11.0	585.0	8.8
3	233	12.2	559.0	9.7
4	175	13.5	533.0	10.7
5	140	15.3	507.0	12.1
6	117	17.4	481.0	13.8
7	100	20.3	455.0	16.2
8	88	24.4	429.0	19.4
9	78	30.5	403.0	24.3
10	70	40.6	377.0	30.0
11	64	61.0	351.0	48.5
12	58	122.0	325.0	97.0

Titan AV 290mm Box Truss Product Range

VFM Part ID	Length	Weight of Length	Approved For Rigging
TR-SQ30-050	0.5 m	6.0 kg	Y
TR-SQ30-100	1.0 m	8.0 kg	Y
TR-SQ30-150	1.5 m	9.0 kg	Y
TR-SQ30-200	2.0 m	13.0 kg	Y
TR-SQ30-250	2.5 m	16.0 kg	Y
TR-SQ30-300	3.0 m	19.0 kg	Y



4 x Spigots included as standard



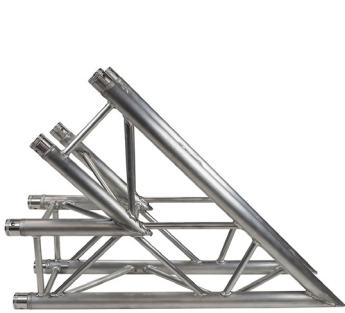
8 x Clips and Pins included as standard

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

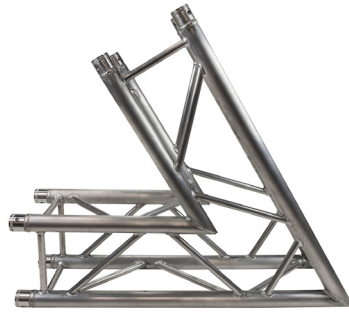
290mm Box Truss Data Sheet

Titan AV

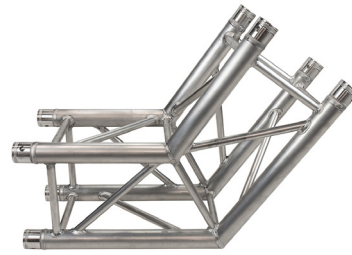
Titan AV 290mm Box Truss Corners & Circles



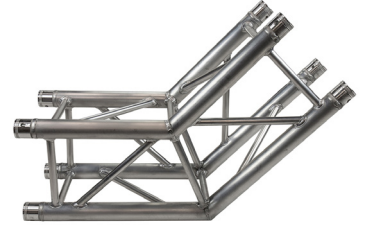
TR-SQ30-45D
45 Deg Corner



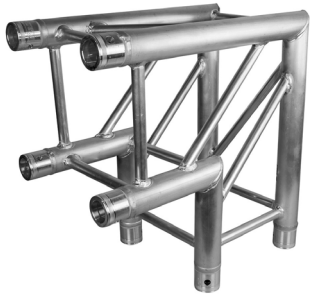
TR-SQ30-60D
60 Deg Corner



TR-SQ30-125D
125 Deg Corner



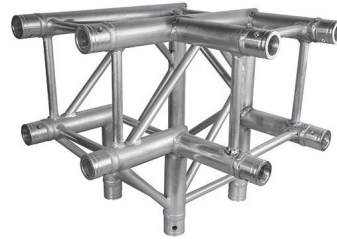
TR-SQ30-135D
135 Deg Corner



TR-SQ30-90D
90 Deg Corner



TR-SQ30-TJ
T-Piece



TR-SQ30-3WAY
3-Way Corner



TR-CST-2M2S
Half Circle



TR-CST-3M4S
Quarter Circle

Titan AV 290mm Box Truss Corners Product Range

VFM Part ID	Degree	Weight of Length	Approved For Rigging
TR-SQ30-45D	45	8.5 kg	Y
TR-SQ30-60D	60	9.5 kg	Y
TR-SQ30-125D	125	6.4 kg	Y
TR-SQ30-135D	135	6.4 kg	Y
TR-SQ30-90D	90	6.0 kg	Y
TR-SQ30-TJ	90 T-Piece	7.8 kg	Y
TR-SQ30-3WAY	90 3-WAY	8.6 kg	Y

Titan AV 290mm Box Truss Circles Product Range

VFM Part ID	Diameter	Weight of Length	Degree of Circle	Parts to a Circle	Approved For Rigging
TR-CST-2M2S	2.0 m	14.5 kg	180 degrees	2	Y
TR-CST-3M4S	3.0 m	12 kg	90 degrees	4	Y

*Custom circles can be manufactured to order.