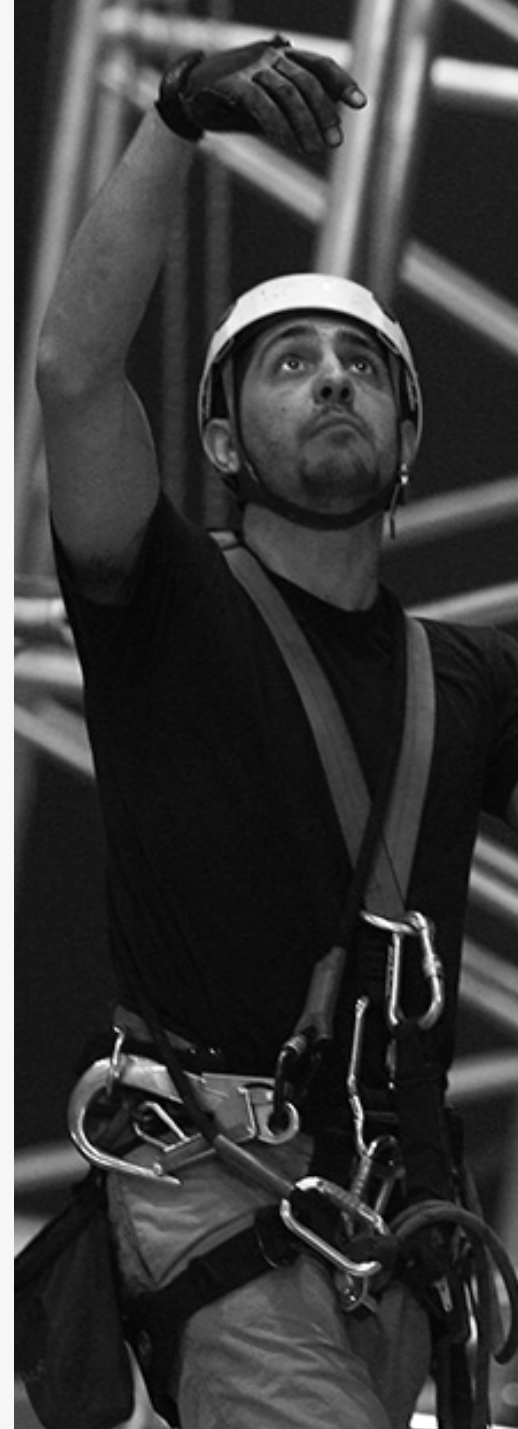


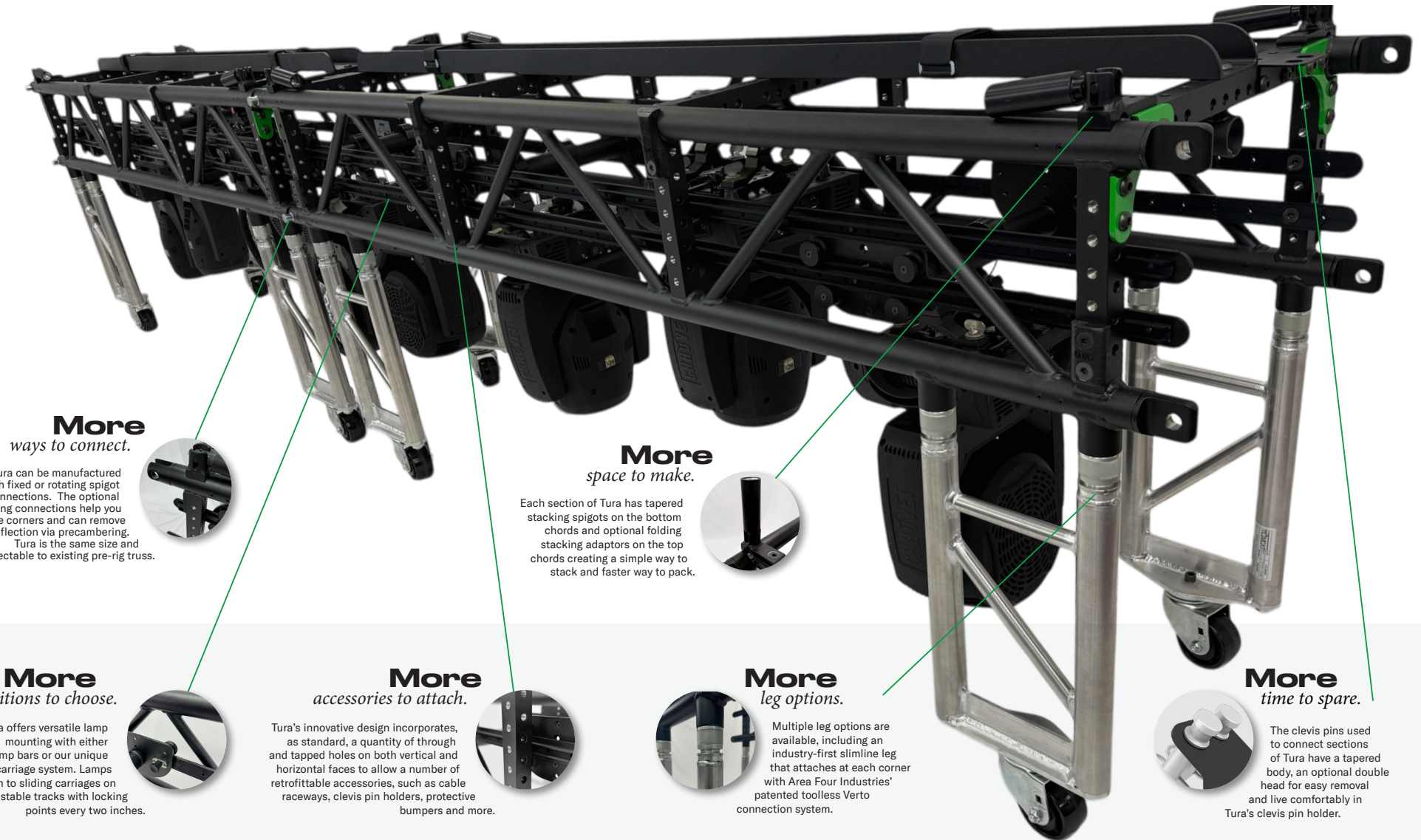


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[tomcatglobal.com](http://tomcatglobal.com)



# You get more.



## More ways to connect.

Tura can be manufactured with fixed or rotating spigot connections. The optional rotating connections help you create corners and can remove deflection via precambering. Tura is the same size and connectable to existing pre-rig truss.

## More space to make.

Each section of Tura has tapered stacking spigots on the bottom chords and optional folding stacking adaptors on the top chords creating a simple way to stack and faster way to pack.

## More positions to choose.

Tura offers versatile lamp mounting with either lamp bars or our unique carriage system. Lamps attach to sliding carriages on adjustable tracks with locking points every two inches.

## More accessories to attach.

Tura's innovative design incorporates, as standard, a quantity of through and tapped holes on both vertical and horizontal faces to allow a number of retrofitable accessories, such as cable raceways, clevis pin holders, protective bumpers and more.

## More leg options.

Multiple leg options are available, including an industry-first slimline leg that attaches at each corner with Area Four Industries' patented toolless Verto connection system.

## More time to spare.

The clevis pins used to connect sections of Tura have a tapered body, an optional double head for easy removal and live comfortably in Tura's clevis pin holder.

# So, much, more.

Tura is the most innovative advancement in pre-rigged truss in decades. Designed specifically for touring production, Tura lets you do more, save more, connect more and go more.

## Configure

### 1 TRUSS

Unique completely open bottom design so that fixtures can be installed from either end, along spans and without the need to lift the truss or maneuver lamps around legs.

#### Length

Standard Lengths - 4ft, 5ft, 8ft and 10ft.  
*Custom and metric lengths available.*

#### Connection

Fixed or Rotating Spigots  
*If fixed, specify pin direction and fork layout.*

#### Finish

Natural or Powder-coated



### 2 LEGS

Tura's multiple leg options use the patented Verto toolless connection system.

#### Style

##### Slimline

*Slimline legs can easily be attached and removed by a single person and can be stored in empty road cases and in the leg storage hamper.*

Truss height  
36-1/8"



Truss height  
42-1/8"



Truss height  
46-1/8"



##### Full Length

*The full length leg is a cost effective option that provides additional fixture protection.*



#### Finish

Natural or Powder-coated



### 3 PAYLOAD MOUNTING OPTIONS

Opt for one or a combination of solutions.

#### Round Tube (Lamp Bar)

Single, Double or Multiple

#### Carriage Rail System

Single or double set of rails with your specified number of carriages



#### I-Beam

Single or Double Beams, Top or Bottom Mounted

## Accessories

### Corners

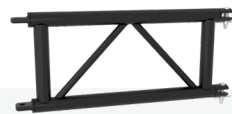
Fixed and gate style for use with truss fitted with rotating spigots. Various angles & types available.



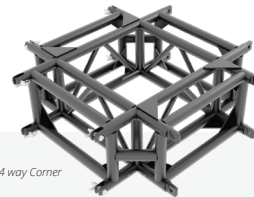
45 degree gate



60 degree gate



90 degree gate



4 way Corner

### Bumper Protection System

Black as standard, complete with Tura logo. Custom colors & logos available upon request.



### Clevis Pin Holder

Available in 2 way or 4 way holder styles.



### Folding Stacking Adaptors

Enhances truss with stacking capability.



### Leg Storage Hamper

Our aluminum and ballistic nylon design folds flat for easy storage and transport. When deployed, it can hold up to 44 slimline legs of any standard height, using truss legs for stability and mobility.



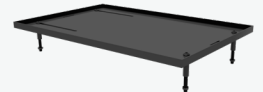
### Cable Raceway

Includes Velcro retaining straps - Single or double raceways can be mounted in multiple locations on the truss.



### Utility Shelf

Allows equipment to be safely mounted and flown on the truss.







## *So much* **More.**

We checked every box to make sure we had a good design. But to get a great design, we needed you.

TOMCAT was founded on a core belief that tours can't happen without you, so touring products shouldn't either. With your first hand knowledge of the rigors of the road, and our intense focus on manufacturing products that perform with **Strength Under Pressure**, we created Tura.

Tura is not just any pre-rig truss. It's beyond pre-rig. A better structural design gives Tura a 25% increase in load capacity (40' Span) and 200% greater capacity at 60' span when compared to competitors' pre-rig truss products.

With Tura you get so much more so you can do so much more.

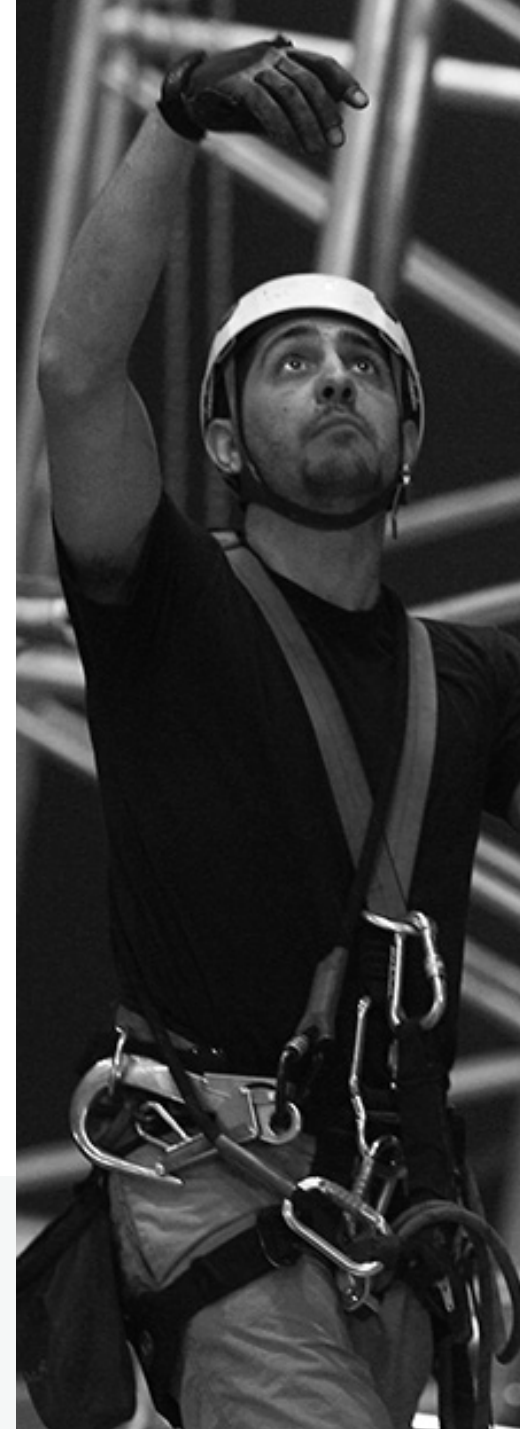


Visit [www.tura.tours](http://www.tura.tours) for additional product information including load tables.

**tura**

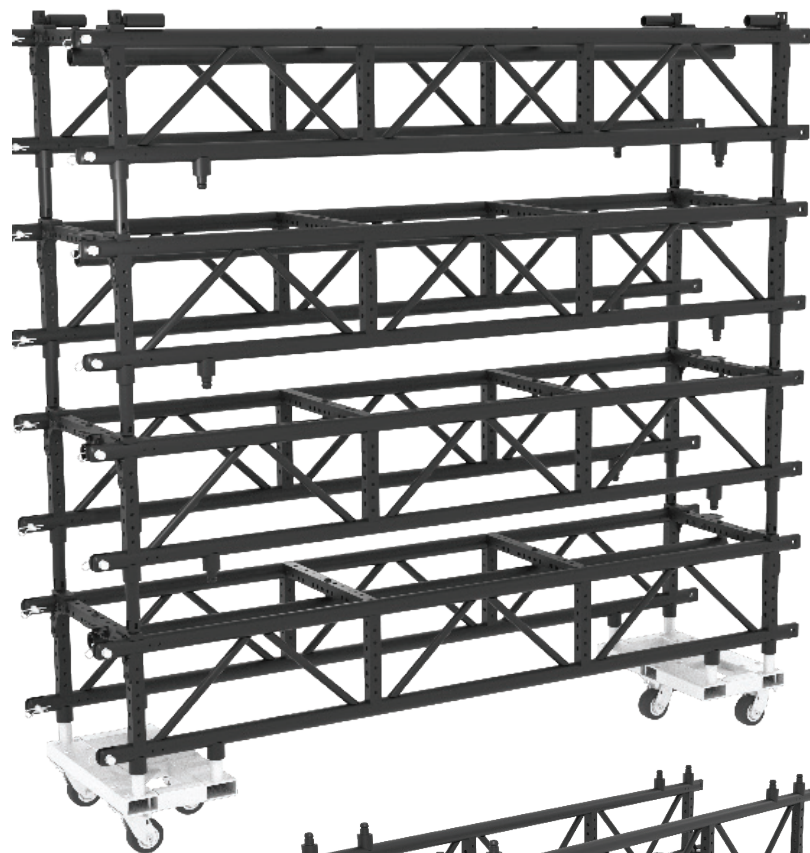
*Go More.*

[tomcatglobal.com](http://tomcatglobal.com)



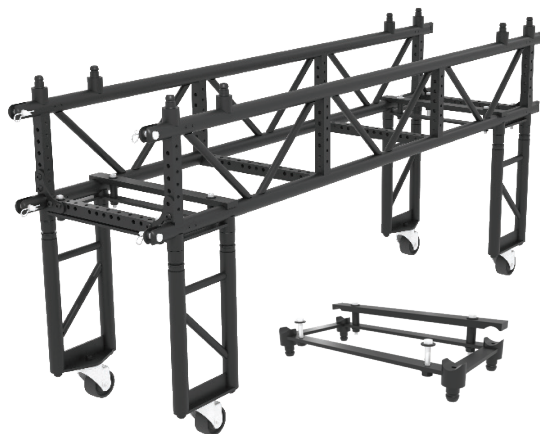
**TOMCAT**

## Accessories In Use



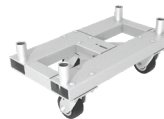
### Ground Package Leg Adaptor

Allows Tura to be used "upside down" by adding additional removable Verto connectors for leg connections.



### Dolly

Provides transfer and warehouse space saving efficiency by allowing truss to be stacked without legs.



Visit [www.tura.tours](http://www.tura.tours) for additional product information including load tables.



### Utility Tray and Cable Raceway

Provides removable and retrofitable cable and equipment mounting.



Static Base



Wheeled Base

### Dance Tower Kit

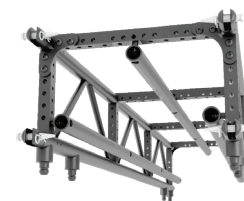
Includes static or wheeled base and adjustable hang point.



### Payload Mounting Options

Opt for one or a combination of solutions.

#### Round Tube (Lamp Bar)



#### I-Beam



#### Carriage Rail System



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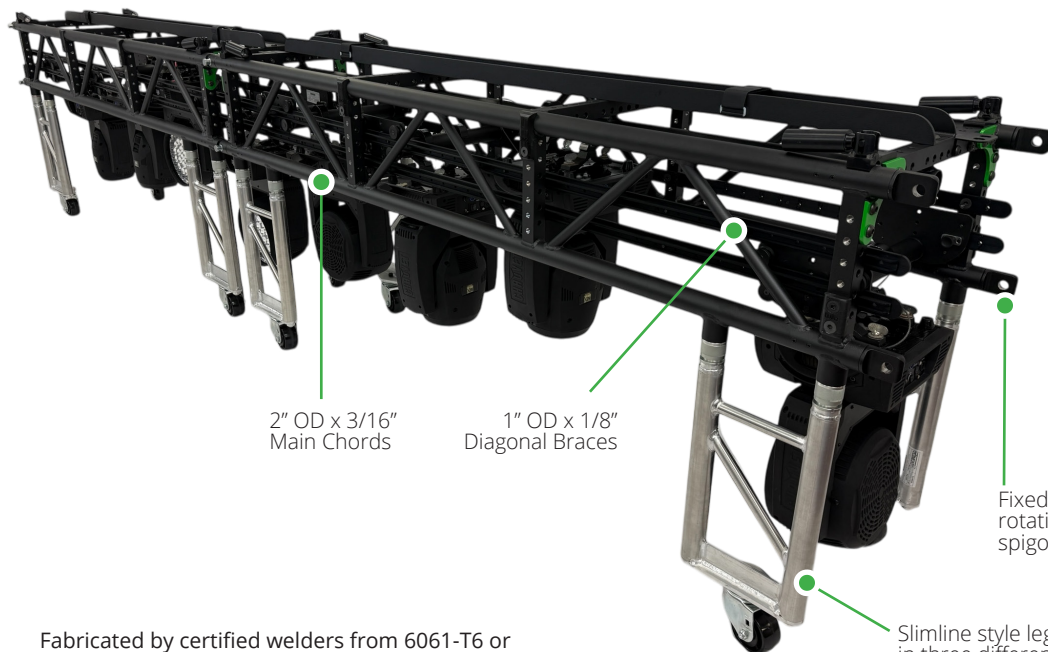
**West Coast Sales Office & Warehouse**  
950 Lawrence Dr. Suite B  
Thousand Oaks, CA 91320





# Touring Truss

## Tura Pre-Rig Truss 14" x 24" - Spigoted



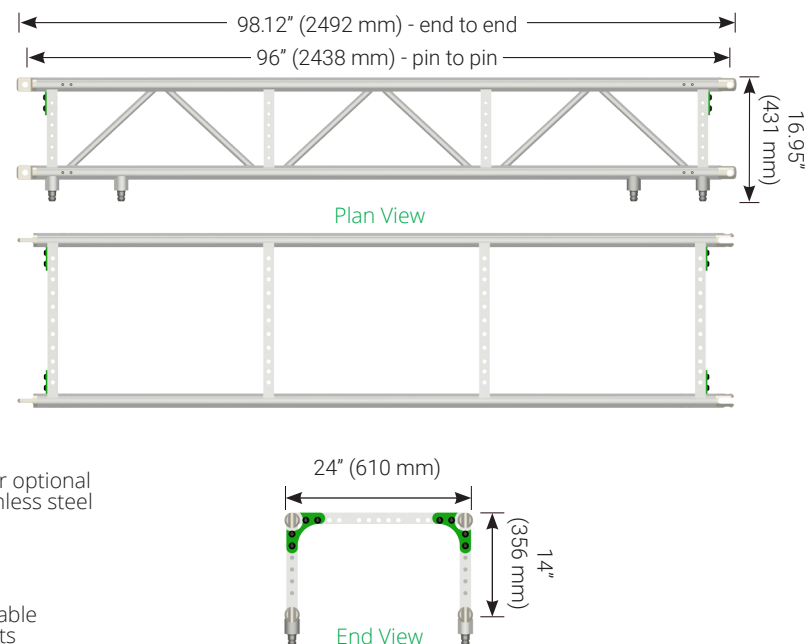
2" OD x 3/16"  
Main Chords

1" OD x 1/8"  
Diagonal Braces

Fixed steel or optional  
rotating stainless steel  
spigots

Slimline style leg - Available  
in three different heights

Fabricated by certified welders from 6061-T6 or  
6082-T6 Aluminum. Made in the USA and Europe.



ITEM CODE	DESCRIPTION
TC TURA-048S	4' TURA TRUSS WITH SPIGOTS
TC TURA-048RS	4' TURA TRUSS WITH ROTATING SPIGOTS
TC TURA-060S	5' TURA TRUSS WITH SPIGOTS
TC TURA-060RS	5' TURA TRUSS WITH ROTATING SPIGOTS
TC TURA-096S	8' TURA TRUSS WITH SPIGOTS
TC TURA-096RS	8' TURA TRUSS WITH ROTATING SPIGOTS
TC TURA-120S	10' TURA TRUSS WITH SPIGOTS
TC TURA-120RS	10' TURA TRUSS WITH ROTATING SPIGOTS
TC TURA-CARRIAGE1	TURA CARRIAGE 1 - SINGLE TUBE
TC TURA-CP75-DH-SET	TURA DOUBLE HEAD CLEVIS PIN 0.75" SET OF 4
TC TURA-CPH-2W	TURA 2 WAY CLEVIS PIN HOLDER
TC TURA-CPH-4W	TURA 4 WAY CLEVIS PIN HOLDER
TC TURA-GATE-45	45 DEGREE CORNER GATE FOR TURA
TC TURA-GATE-60	60 DEGREE CORNER GATE FOR TURA
TC TURA-GATE-90	90 DEGREE CORNER GATE FOR TURA
TC TURA-LBAR-048	LAMPBAR FOR 4FT TURA
TC TURA-LBAR-060	LAMPBAR FOR 5FT TURA
TC TURA-LBAR-096	LAMPBAR FOR 8FT TURA

ITEM CODE	DESCRIPTION
TC TURA-LBAR-120	LAMPBAR FOR 10FT TURA
TC TURA-LEG-36	SINGLE TURA LEG FOR 36" HEIGHT
TC TURA-LEG-42	SINGLE TURA LEG FOR 42" HEIGHT
TC TURA-LEG-46	SINGLE TURA LEG FOR 46" HEIGHT
TC TURA-RACE-048	RACEWAY FOR 4' TURA
TC TURA-RACE-060	RACEWAY FOR 5' TURA
TC TURA-RACE-096	RACEWAY FOR 8' TURA
TC TURA-RACE-120	RACEWAY FOR 10' TURA
TC TURA-RAILS-048	TURA 4' CARRIAGE RAILS - PAIR
TC TURA-RAILS-060	TURA 5' CARRIAGE RAILS - PAIR
TC TURA-RAILS-096	TURA 8' CARRIAGE RAILS - PAIR
TC TURA-RAILS-120	TURA 10' CARRIAGE RAILS - PAIR
TC TURA-SIDELEG-048	FULL LENGTH LEG FOR 4FT TURA (1)
TC TURA-SIDELEG-060	FULL LENGTH LEG FOR 5FT TURA (1)
TC TURA-SIDELEG-096	FULL LENGTH LEG FOR 8FT TURA (1)
TC TURA-SIDELEG-120	FULL LENGTH LEG FOR 10FT TURA (1)
TC TURA-STACK	TURA STACKING ASSEMBLY (1 KIT) - ANODIZED BLACK
TC TURA-DOLLY	TURA LOW PROFILE STORAGE/TRANSPORT DOLLY



Please visit [www.tura.tours](http://www.tura.tours) for additional product information.

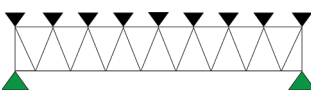
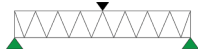
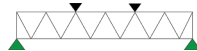
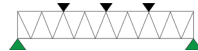
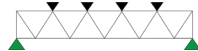




# Touring Truss Tura Pre-Rig Truss 14" x 24" - Spigoted



## Maximum Allowable Loading (Deflection Limited to L/100)

SIMPLE SPAN (DISTANCE BETWEEN SUPPORTS)		UNIFORMLY DISTRIBUTED LOAD			MAXIMUM ALLOWABLE LOAD PER POINT							
					CENTER POINT LOAD		THIRD POINT LOAD		QUARTER POINT LOAD		FIFTH POINT LOAD	
												
		LOAD	TOTAL LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION
FEET	METERS	LBS/FT	LBS	INCHES	LBS	INCHES	LBS	INCHES	LBS	INCHES	LBS	INCHES
10	3	868	8680	0.13	7026	0.16	4339	0.17	2893	0.16	2169	0.15
15	4.6	575	8625	0.42	4643	0.37	3482	0.47	2321	0.44	1934	0.46
20	6.1	344	6880	0.81	3439	0.66	2579	0.84	1719	0.78	1433	0.82
25	7.6	217	5425	1.27	2707	1.03	2030	1.31	1353	1.22	1128	1.28
30	9.1	147	4410	1.82	2210	1.49	1658	1.89	1105	1.76	921	1.84
35	10.7	106	3710	2.48	1849	2.04	1387	2.57	924	2.39	770	2.50
40	12.2	79	3160	3.24	1571	2.69	1178	3.35	786	3.13	655	3.27
45	13.7	60	2700	4.10	1350	3.42	1013	4.23	675	3.96	563	4.13
50	15.2	47	2350	5.07	1168	4.26	876	5.22	584	4.90	487	5.10
55	16.8	37	2035	6.13	1015	5.19	761	6.31	507	5.94	423	6.17
60	18.3	29	1740	7.30	883	6.24	636	7.28	442	7.08	359	7.20

## Uniformly Distributed Load Deflection Calculator (Deflection Limited to L/100)

SIMPLE SPAN (DISTANCE BETWEEN SUPPORTS)		TOTAL LOAD	% OF MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY USED									
			0%		25%		50%		75%		100%	
			LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION
FEET	METERS	LBS	LBS	INCHES	LBS	INCHES	LBS	INCHES	LBS	INCHES	LBS	INCHES
10	3	8680	0	0.00	2170	0.03	4340	0.07	6510	0.10	8680	0.13
15	4.6	8625	0	0.01	2156	0.11	4313	0.22	6469	0.32	8625	0.42
20	6.1	6880	0	0.03	1720	0.23	3440	0.42	5,160	0.62	6880	0.81
25	7.6	5425	0	0.07	1356	0.37	2713	0.67	4069	0.97	5425	1.27
30	9.1	4410	0	0.15	1103	0.57	2205	0.98	3308	1.40	4410	1.82
35	10.7	3710	0	0.27	928	0.82	1855	1.38	2783	1.93	3710	2.48
40	12.2	3160	0	0.46	790	1.15	1580	1.85	2370	2.54	3160	3.24
45	13.7	2700	0	0.73	675	1.57	1350	2.42	2025	3.26	2700	4.10
50	15.2	2350	0	1.10	588	2.09	1175	3.08	1763	4.08	2350	5.07
55	16.8	2035	0	1.59	509	2.73	1018	3.86	1526	5.00	2035	6.13
60	18.3	1740	0	2.26	435	3.52	870	4.78	1305	6.04	1740	7.30

## Allowable Loading Guidelines

- The truss is designed with two faces of diagonal bracing. The truss was reviewed for load in one direction only, assumed to be parallel in orientation to the diagonal braces located on the opposite two faces of the module or span. If loads are applied in multiple axes, then the loading shall be approved by a qualified person.
- The truss was analyzed as a static simple span beam. The span lengths shown in the table should be the distance between supports, assumed to be at each end of the span. Any usage outside of this scope, cantilevers, dynamic loads, indeterminate structures, etc. shall be approved by a qualified person.
- The maximum span length shown in the table should not be exceeded without approval by a qualified person.
- All loads and supports shall be located at a panel point within the truss.
- The truss was analyzed assuming that the loads were applied at the centroid of the truss so as to not induce twisting or torsion. Unbalanced or off-center loading scenarios shall be approved by a qualified person.
- The self-weight of the truss has already been removed from the allowable loading data.
- Allowable loads based on the 2020 Aluminum Design Manual.
- The deflection shown in the table is theoretical, actual deflection measurements can vary.
- The allowable loading has been reduced to limit deflection to L/100, where L equals the simple span length. Please contact TOMCAT for L/180 and non-deflection-limited loading data.
- Simple span lengths are assumed to be constructed from the minimum number of truss modules 10ft long or less. For example, a 35ft simple span is assumed to be made from 3 x 10ft sections & 1 x 5ft section of truss.
- The allowable loading has not been reduced for repetitive use as per ANSI E1.2 – 2021. Please reduce by a factor of 0.85 if required.
- Please consult the appropriate TOMCAT truss user manual before use. Please contact TOMCAT should you require a copy.
- The load tables are reprinted from engineering reports developed by Clark Reder Engineering, Inc., dated December 1st 2023.