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# What is truss?

## What is truss?

Truss is a girder element which can be used either for creating decorative constructions or for mounting payloads. In the entertainment technology industry these are known as trusses.

Typically truss is made with aluminum, however, some heavy duty pieces may be made of steel.

## What forms of truss are used?

There are 4 main systems of truss which are differentiated by the number of main chords that they have.

### 1 point truss ...

... is installed mainly between two other pieces of truss, in order to stabilize a roof of a stage or to hang up an object.

### 2 point truss...

... already has sufficiently high loads and thus is suitable for trade fair constructions and shop fittings.

### 3 point truss...

... is found in a wide range of applications, often in stage constructions to give some added flair.

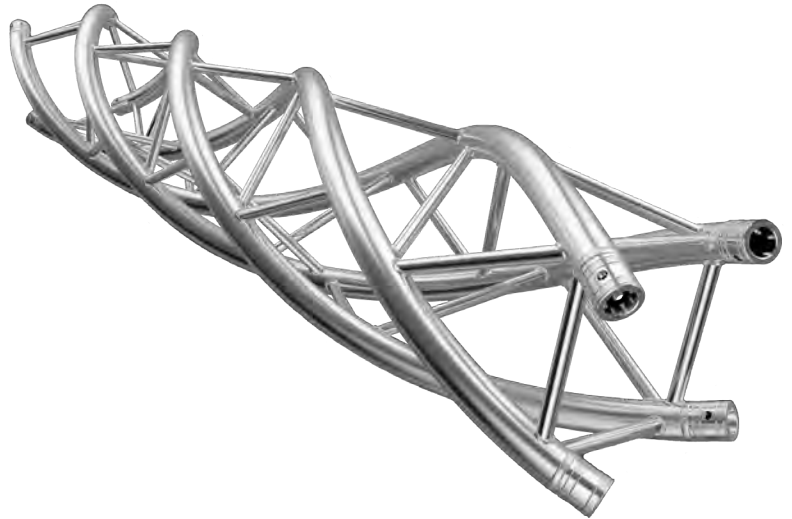
### 4 point truss...

... has the highest stability and weight load, and is most commonly used in entertainment technology.

## How is truss connected?

There are several ways in which truss can be connected. At Cosmic Truss we use the most efficient and secure method of connecting truss together using conicals with pins and clips.

Simple, easy to use, and safe.



## Why Cosmic Truss?

For more than a decade Cosmic Truss has produced the highest quality and most reliable aluminum truss products on the market, all of which are certified by multiple independent institutions.

The wide product range from Cosmic Truss has been systematically expanded over the years and now includes much more than truss alone. Including all the accessories and clamps required to complete any project, regardless of scale.

When it comes to innovation, our R&D department sets new standards for the industry. Quickly adapting to client needs to produce the best products for not only the market, but more importantly their projects.

Cosmic Truss is sold in over 35 countries around the world, making our quality products readily available wherever your projects take you.

Quality, reliability, innovation and availability are our guiding principles that we implement globally. We therefore strive to uphold these principles in every aspect of our business. To meet our standards all our products are tested by TÜV Nord and do not only fulfill the industry standard, but in fact consistently outperform them.

Since 2001, We have expanded our truss systems piece by piece, starting with only 3 systems, we have expanded our range to include over 10 different styles of truss.







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## Cosmic Quality

Cosmic Truss places a great deal of emphasis on the quality of our raw materials.

In order to guarantee the highest possible quality in our product ranges, every step of production and the sourcing of raw materials have extremely high levels of quality control. This leads to all of our products being certified by multiple independent testing institutes.

Cosmic Truss products are made of premium aluminum (EN AW-6061 and EN AW-6082 following DIN EN 573-3). This means that users can be can be sure that Cosmic Truss will meet and exceed their expectations of the highest quality, reliability and safety.

## Cosmic Truss Is Copyrighting Its Connectors

Today, with more and more Cosmic Truss copies coming to the market, it is important to strengthen the high quality originals and keep users from the harm of unsafe and poor quality imitations.

Previously the unique identifier for Cosmic Truss was the addition of two rings on the connector, these have become increasingly copied. Though truss may feature the same look, this does not provide equal standards of quality.

In order to illustrate the proven Cosmic Truss safety and reliability, the connectors feature the Cosmic Truss logo clearly knurled on the truss connectors.

But not only a visual differentiator is introduced - the knurling gives the connectors a better grip, which makes the assembly and disassembly, as well as carrying much easier and above all enjoyable. By this new copyrighted finishing the user can easily differentiate between a copy and an original. Of course, the new connector is compatible with any previous versions of Cosmic Truss.





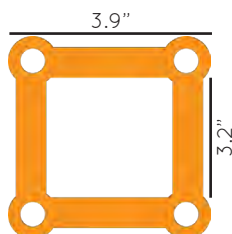
# F14

The F14 is a decorative truss platform perfect for display applications such as, exhibition stands, advertising, store fronts or even for your home!

Being small and unobtrusive, as well as being load bearing means the F14 is an ideal choice for areas with space restrictions. Its lightweight frame also makes it ideal for fast, easy and efficient transport.

## Technical Data

Pipe diameter: 0.79"  
 Wall thickness: 0.08"  
 Material: Al EN AW-6061 T6  
 Snake brace: 0.24"  
 Connectors: Included  
 TÜV Nord cert.: Yes



Span	Uniform distribution load	Deflection	Center point load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/foot	Inches	Pounds	Inches	Pounds	Inches	Pounds	Inches
6.7	69.9	0.17	379.3	0.2	229.3	0.2	152.1	0.2
9.8	46.4	0.57	249.2	0.5	167.4	0.6	125.7	0.6
13.1	28.2	1.1	165.2	0.9	136.9	1.1	92.6	1.1
16.4	17.5	1.73	143.3	1.4	108	1.8	72.8	1.6
19.7	12.1	2.5	116.9	2.1	88.2	2.6	57.3	2.4
23	8.1	3.4	94.8	2.8	72.8	3.5	48.5	3.3



# F31/P

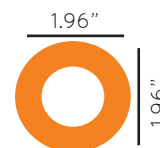
The F31 piping is a superb utility for any truss construction, with usability as railings, display constructions, bracing or screen frames, The F31 pipe is perfect for any situation.

F31 is also available in the premium F31P version, featuring a larger wall thickness, and higher load capacities.

Need a quick solution? The F31 pipe is a great place to start.

## Technical Data

Pipe diameter:	1.96"
Wall thickness:	0.08" / 0.12" (F31/F31P)
Material:	EN AW-6082 T6
Connectors:	Included
TÜV Nord cert.:	Yes



### F31 Tubes

F31025	9.84"
F31050	19.68"
F31075	29.52"
F31100	39.36"
F31125	49.2"
F31150	59.04"
F31200	78.72"
F31225	88.56"
F31250	98.4"
F31275	108.24"
F31300	118.08"
F31325	128.04"
F31350	137.76"
F31375	147.6"
F31400	157.56"

### F31P

F31075P	19.7"
F31100P	39.4"
F31150P	59"
F31200P	78.7"
F31250P	98.4"
F31300P	118.1"

### F31 Corner

F31C30	3-way corner
F31T35	3-way T joint
F31T40	4-way T joint
F31C41	4-way X joint
F31C55	5-way X joint

### F31 Circle

F31R050-18	39"
F31R075-90	59"
F31R100-90	78.7"
F31R125-90	98.4"

### F31P Circle

F31R050-180P	39"
F31R075-90P	59"
F31R100-90P	78.7"
F31R125-90P	98.4"

# F32



The Cosmic Truss F32 is a 2 point truss system, providing optimum volume and carrying capacity.

F32 can be used in a variety of applications but comes into its own in smaller constructions, such as trade shows.

## Technical Data

Pipe diameter: 1.96"  
 Wall thickness: 0.08"  
 Material: Al MgSi F31 / T6082  
 Connectors: Included  
 TÜV Nord cert.: Yes  
 DIN: 4113,4113-3,13814

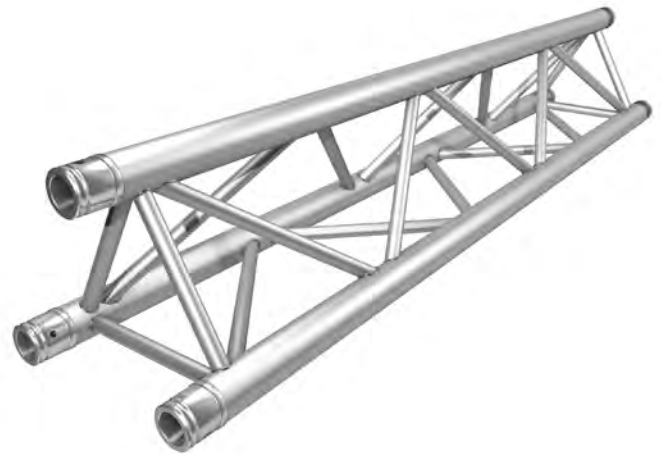


Span	Uniform distribution load	Deflection	Center point load	Deflection	Third point load	Deflection
Feet	Pounds/ foot	Inches	Pounds	Inches	Pounds	Inches
6.6	414.6	0.3	2736.4	0.3	2050.4	0.3
9.8	122.7	0.7	1807	0.6	1357.1	0.7
13.1	51.2	1.3	1342.4	1	1003.1	1.3
16.4	25.6	2	1054.7	1.7	796.6	2
19.7	14.6	2.9	870.3	2.3	649.1	3
23	9	3.9	730.2	3.2	545.8	4
26.2	5.9	5.2	619.6	4.2	464.7	5.3
29.5	4	6.5	538.4	5.4	405.7	6.7
32.8	3	3.3	464.7	6.7	3.5	8.2

# F33

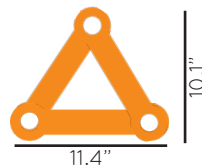
The F33 is a triangular high strength truss system that combines light weight with optimum strength and load capacity.

F33 is also available in arcs and circles, with a wide variety of corner sections are also available.



## Technical Data

Pipe diameter: 1.96"  
 Wall thickness: 0.08"  
 Material: AlMgSi F31/T6082  
 Connectors: Included  
 TÜV Nord cert.: Yes  
 DIN: 4113,4113-3,13814



Span	Uniform distribution load	Deflection	Center point load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/foot	Inches	Pounds	Inches	Pounds	Inches	Pounds	Inches
13.1	160	0.5	965.8	0.4	688	0.5	507.2	0.5
16.4	102.2	0.8	780.6	0.6	562.3	0.7	405.2	0.7
19.7	70.6	1.16	652.7	0.9	474.1	1.1	337.4	1.1
23	51.1	1.6	557.9	1.2	405.7	1.5	286.7	1.5
26.2	38.3	2.1	482.9	1.6	355	2	247	1.5
29.5	30.2	2.6	423.4	2.1	313.1	2.5	216.1	1.9
32.8	23.5	3.3	374.9	2.6	277.8	3.2	191.8	2.5
36.1	19.5	4	333	3.2	249.2	3.9	169	3.1
39.4	15.5	4.7	300	3.8	222.7	4.7	152.2	3.7
42.6	12.8	5.6	269	4.6	200.7	5.5	136.7	4.5
45.9	10.8	6.5	240.4	5.3	183	6.5	123.5	5.3
49.2	9.4	7.5	218.3	6.2	165.4	7.5	110.3	6.2
52.5	7.4	8.5	196.3	7.2	150	8.6	99.2	7.1



# U-Torm



These all fit seamlessly into the U-Torm allowing you to create hanging positions or structures in an unlimited variety of combinations.

The U-Torm system has been designed for quick deployment and fast set up in any environment. For either size, the lightweight aluminum construction design is reinforced to ensure maximum stability.

Handy safety point attachments are fitted on each side of the U-Torm to cater for multiple fixture types.

The Cosmic Truss U-Torm is a flexible solution to hanging drop positions for lighting, projection and other equipment in a completely modular format.

Comprised of lightweight modules and sections, the U-Torm allows endless configurations for single fixtures, double hangs or ladders of multiple fixtures and fixture types. U-Torms can also be expanded to create a wall of hanging positions.

The U-Torm is available in two standard sizes, but can be built upon and customized using the standard Cosmic Truss F31 range of 2" pipes, T-sections, spigots and corner adapters.



# U-Torm

The U-Torm 50 is able to take a center point load of up to 110 lbs, and if hung in a ladder configuration, it is possible to mount up to 10 units together.

The larger U-Torm 100 is able to take a center point load of up to 220 lbs. and can be mounted 5 units high in a ladder configuration.



## Technical Data

Pipe diameter:	1.96"
Wall thickness:	0.12"
Material:	EN AW-6082 T6
Connectors:	Included
TÜV Nord cert.:	Yes
DIN:	4113, 4114, 13814

### U-Torm 50

Outer dimensions: 23.6" x 2" x 29.9"

Inner dimensions: 19.7" x 2" x 25.6"

Weight: 8.1 lbs.

Center point load 5pcs: 210 lbs.

Center point load 10pcs: 99 lbs.

### U-Top 50

Dimensions: 23.6" x 2" x 4.3"

Weight: 4 lbs.

Center point load: 110 lbs.

Max. Hung U-Torm 50s: 10

### U-Torm 100

Outer dimensions: 43.3" x 2" x 49.2"

Inner dimensions: 39.4" x 2" x 44.9"

Weight: 12.6 lbs.

Center point load 5pcs: 205 lbs.

### U-Top 100

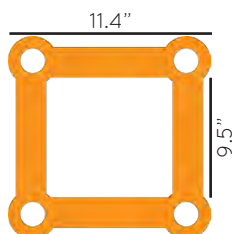
Dimensions: 43.3" x 2" x 4.3"

Weight: 5 lbs.

Center Point Load: 220 lbs.

Max. Hung U-Torm 100s: 5

# F34



F34 is a 4 point truss system, providing optimum strength and load capacity.

F34 comes in a full range of corners, angled sections and circular pieces. F34 can also be ordered in custom designs, to meet your project needs.

The F34 sets a new standard for square truss reliability and construction durability.

## Technical Data

Pipe diameter:	1.96"
Wall thickness:	0.08"
Material:	AlMgSi F31/T6082
Connectors:	Included
TÜV Nord cert.:	Yes
DIN:	4113,4113-3, 13814



Span	Uniform distribution load	Deflection	Center point load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/foot	Inches	Pounds	Inches	Pounds	Inches	Pounds	Inches
13.1	336.7	0.5	2033	0.4	1382.5	0.5	1093.7	0.5
16.4	231.2	0.9	1682.4	0.7	1164.2	0.8	906.3	0.8
19.7	162	1.3	1431.1	1	1003.3	1.1	762.9	1.2
23	119	1.8	1239.2	1.3	877.6	1.6	654.9	1.7
26.2	90.7	2.4	1089.3	1.8	778.4	2.1	573.3	2.2
29.5	71.2	3	970.2	2.3	696.8	2.8	507.2	2.8
32.8	57.1	3.8	871	2.9	628.4	3.5	452	3.5
36.1	46.4	4.6	787.2	3.5	568.9	4.2	407.9	4.2
39.4	39	5.5	714.4	4.2	520.4	5.1	370.4	5.1
42.6	32.3	6.4	652.7	5	476.3	6.1	337.4	6
45.9	27.6	7.5	597.6	5.9	438.8	7.1	308.7	7
49.2	23.5	8.6	549.1	6.8	403.5	8.2	282.2	8.1
52.5	20.2	9.8	505	7.8	372.7	9.4	260.2	9.2



Cosmic Truss' Tower System is built with F34 truss. Used to create beautiful and impressive stages and roof constructions that are both easy to assemble and safe to use.

Our patented solutions provide maximum safety and usability during assembly and disassembly. The F34 safety module for the Tower System, has a unique design that enables you to stand on the ground while securing and releasing the sleeve block.

From the ground support to the sleeve blocks and head rollers, the F34 Tower System will provide users with optimal load capacities on a larger scale.

Using all universal components and accessories from Cosmic Truss, gives you endless possibilities that can easily become reality. With the ability to combine any number of parts from the Cosmic Truss range.

# F34 Tower

CODE: GS-34TN



CODE: GS-34S



**Hinge elements**

CODE: 5029



## Ground Support Base

F34/F44 w/ steel feet

CODE: GS-F44BS-1

## 2.46' Steel Outrigger

Steel

CODE: ST49216SB

## 4.92' Outrigger w/ crossbar

Steel

CODE: ST49214SB

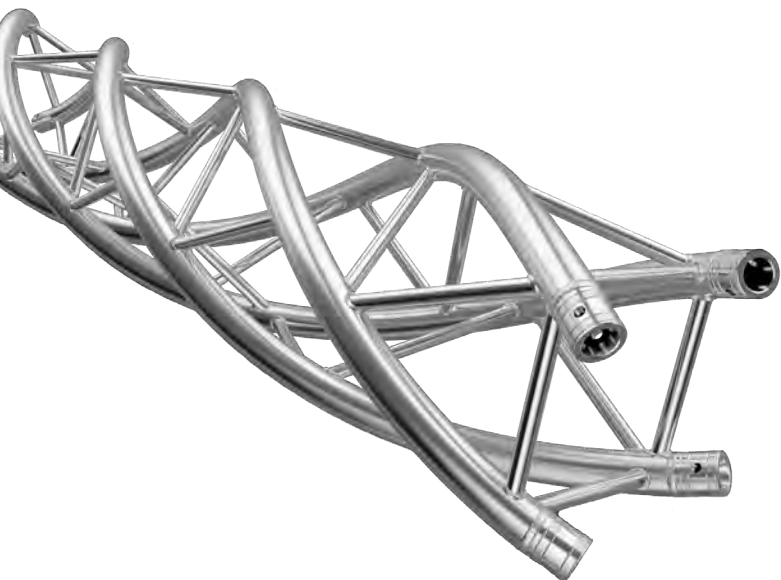
## Steel Ballast Base

Steel

CODE: ST49217SB



# F34 DNA



Cosmic Truss has developed the completely unique twisted truss design we call DNA Truss.

The DNA Truss is designed to bring truss to the forefront of scenic designs, creating a stunning contrast to traditional 4-point box truss.

DNA Truss is currently available in F34 sizing, matching any F34 pieces already on the market. Adapter pieces are available to connect DNA to standard F34 box truss.

Additionally, special angled conicals will allow users to connect F34 truss with the curved DNA pieces.

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## Technical Data

Pipe diameter:	1.96"
Wall thickness:	0.08"
Material:	AlMgSi F31/T6082
Connectors:	Included







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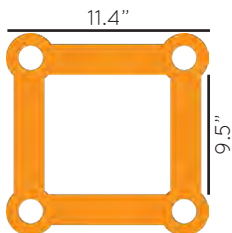
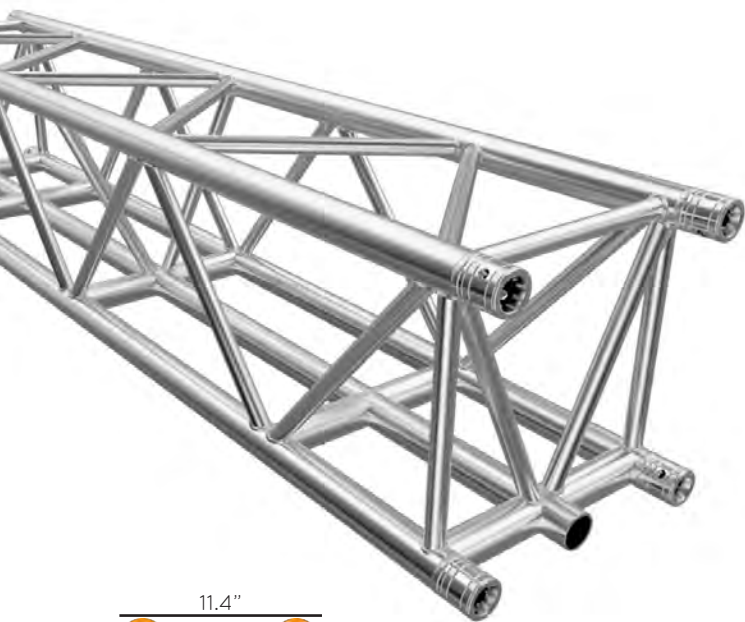
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# F35



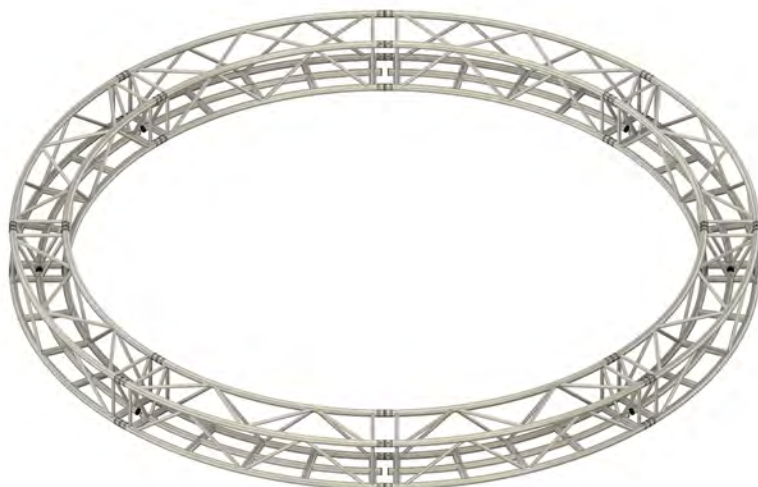
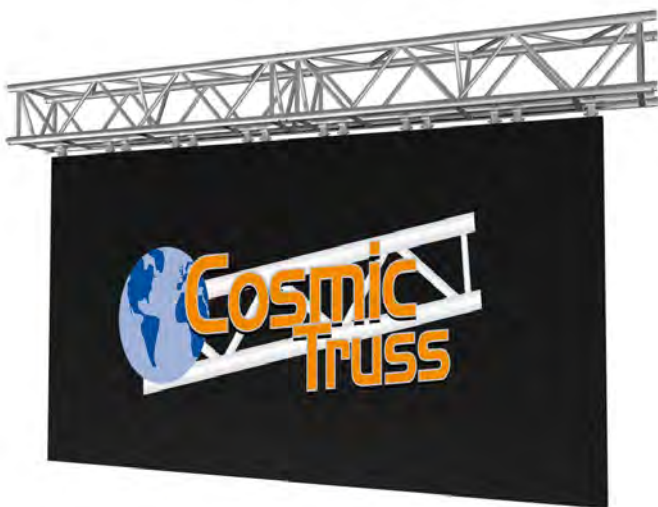
The F35 truss is based on the F34 truss system and is specifically designed for applications with video wall panels. A balanced center rigging point is implemented on the bottom face of the truss.

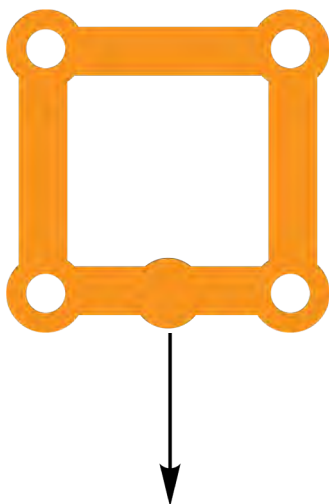
This allows LED panels to be clamped directly onto the center pipe itself negating the need to sling or brace across a traditional square truss.

Further horizontal ladder style braces are added to provide extra strength and additional hanging space.

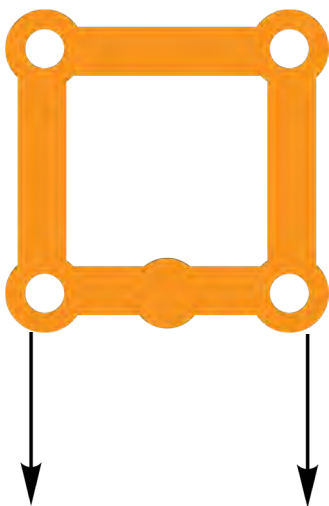
## Technical Data

Pipe diameter:	1.96"
Wall thickness:	0.16"
Material:	AlMgSi F31
Connectors:	Included





Span	Uniform distribution load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/ft	Inches	Pounds	Inches	Pounds	Inches
13.1	343	0.3	1764	0.3	1501	0.4
16.4	273	0.6	1764	0.6	1494	0.7
19.7	227	1	1764	1.1	1441	1.2
23	193	1.6	1625	1.6	1240	1.6
26.2	168	2.3	1446	2.1	1086	2.2
29.5	136	3	1298	2.7	963	2.8
32.8	109	3.8	1174	3.4	862	3.5
36.1	85	4.3	1069	4.2	777	4.2
39.4	63	4.7	916	4.7	657	4.7
42.7	48	5.1	756	5.1	542	5.1
45.9	37	5.5	627	5.5	449	5.5
49.2	29	5.9	521	5.9	373	5.9
52.5	22	6.3	432	6.3	310	6.3



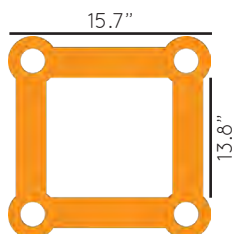
Span	Uniform distribution load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/ft	Inches	Pounds	Inches	Pounds	Inches
13.1	343	0.3	2252	3.4	1501	0.4
16.4	273	0.6	2116	0.7	1494	0.7
19.7	227	1	1844	1.1	1441	1.2
23	193	1.6	1625	1.6	1240	1.6
26.2	168	2.3	1446	2.1	1086	2.2
29.5	136	3	1298	2.7	963	2.8
32.8	109	3.8	1174	3.4	862	3.5
36.1	85	4.3	1069	4.2	777	4.2
39.4	63	4.7	916	4.7	657	4.7
42.7	48	5.1	756	5.1	542	5.1
45.9	37	5.5	627	5.5	449	5.5
49.2	29	5.9	521	5.9	373	5.9
52.5	22	6.3	432	6.3	310	6.3

# F44P

F44P is a 4 point truss system, providing optimum strength and load capacity.

F44P is a heavy duty truss system with a variety of uses and has a higher load capacity.

This system is ideal for larger projects, having a width of almost 16" gives the F44P a significantly higher weight load.



## Technical Data

Pipe Diameter: 1.96"  
 Wall Thickness: 0.12"  
 Material: AlMgSi F31  
 Connectors: Included  
 TUV Nord Cert.: Yes  
 DIN/DIN V/DIN EN: 4113,4113-3, 138 14

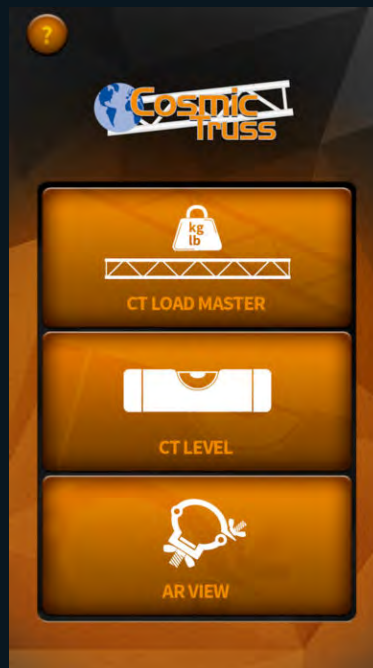


Span	Uniform distribution load	Deflection	Center point load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/ foot	Inches	Pounds	Inches	Pounds	Inches	Pounds	Inches
16.4	474.5	0.6	3351.6	0.4	2244.7	0.5	1735.3	0.5
19.7	338	0.9	2890.8	0.6	1969.1	0.7	1563.35	0.8
23	251.3	1.2	2538	0.9	1748.6	1	1375.9	1.1
26.2	193.6	1.6	2255.7	1.2	1570	1.4	1210.6	1.5
29.5	153.3	2.1	2026.4	1.5	1420	1.8	1080.5	1.9
32.8	124.3	2.6	1830.2	1.9	1296.5	2.2	972.4	2.3
36.1	102.2	3.1	1673.6	2.3	1188.5	2.8	884.2	2.9
39.4	85.4	3.7	1536.9	2.8	1095.9	3.3	807	3.4
42.6	72.6	4.4	1415.6	3.3	1014.3	4	740.9	4
45.9	61.8	5.1	1309.8	3.9	941.5	4.7	683.6	4.7
52.5	53.1	5.9	1217.2	4.5	877.6	5.4	635	5.4
55.8	46.4	6.7	1133.4	5.2	833.5	6.2	588.7	6.2
59	40.3	7.6	1058.4	5.9	769.6	7.1	549.1	7.1





# Download The Cosmic Truss Tool Box App



	m/kg	ft/lb
F34		
Span 19.69 ft		
Uniform distribution load Deflection	531.31 lb/m 1.32 in	
Center point load Deflection	1,430.80 lb 0.96 in	
Third point load Deflection	1,003.10 lb 1.14 in	
Quarter point load Deflection	762.80 lb 1.20 in	
Fifth point load Deflection	604.07 lb 1.22 in	

See all our clamps in augmented reality!



All our load capacities in one place & on the go!



The comprehensive truss companion for riggers, roadies and stagehands.

...And it's absolutely free

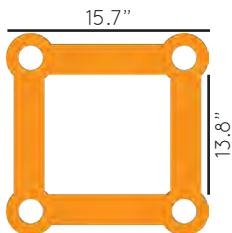
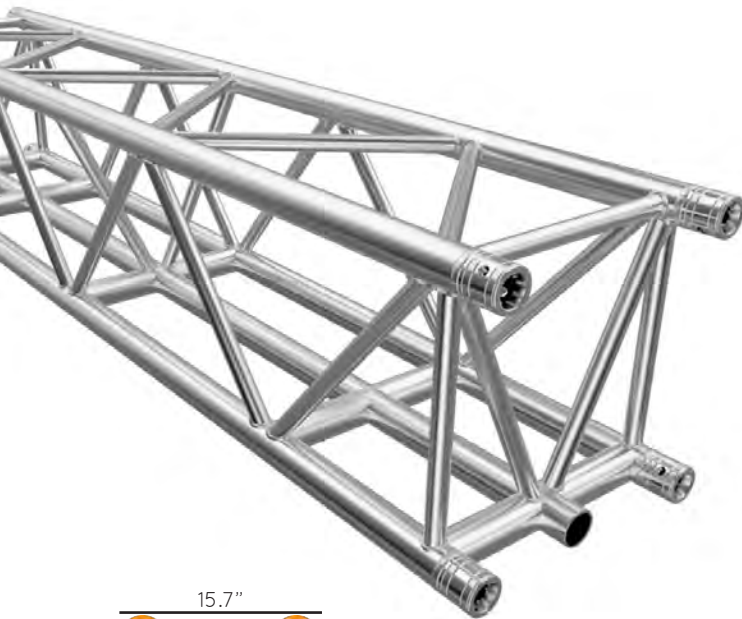


Available for iOS & Android



[www.CosmicTruss.com](http://www.CosmicTruss.com)

# F45



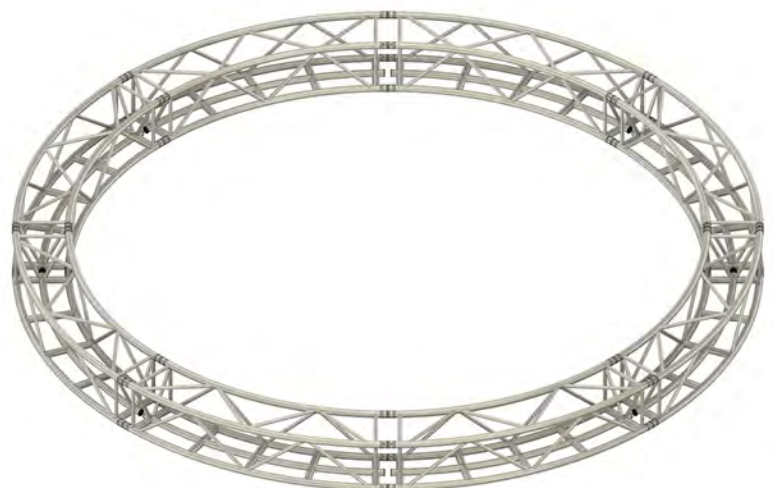
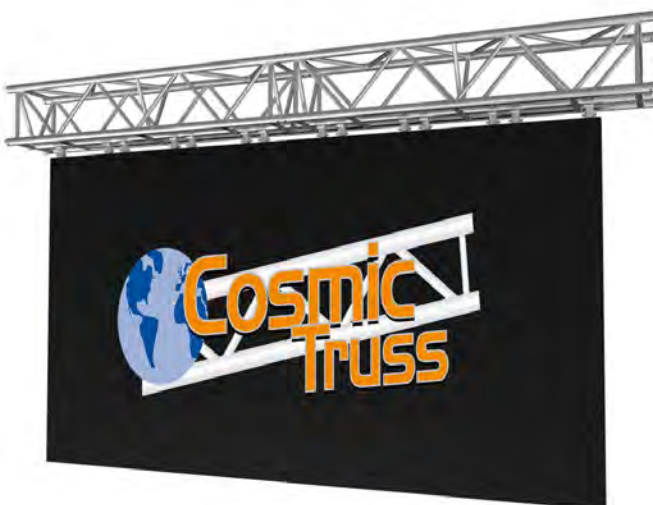
The F45 truss is based on the F44 truss system and is specifically designed for applications with video wall panels. A balanced center rigging point is implemented on the bottom face of the truss.

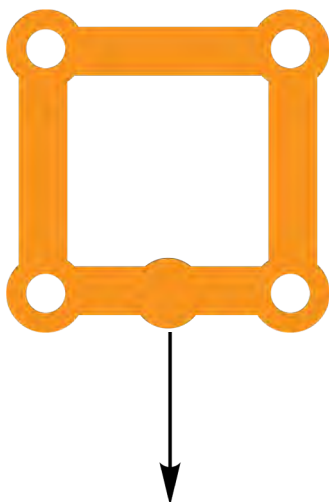
This allows LED panels to be clamped directly onto the center pipe itself, negating the need to sling or brace across a traditional square truss.

Further horizontal ladder style braces are added to provide extra strength and additional hanging space.

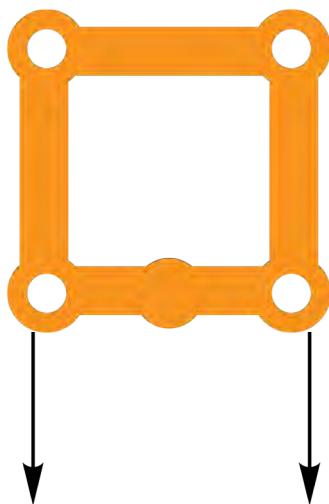
## Technical Data

Pipe diameter:	1.96"
Wall thickness:	0.16"
Material:	AlMgSi F31
Connectors:	Included





Span	Uniform distribution load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/ft	Inches	Pounds	Inches	Pounds	Inches
13.1	403	0.2	1103	0.1	1103	0.1
16.4	403	0.4	1103	0.2	1103	0.3
19.7	403	0.8	1103	0.3	1103	0.4
23	318	1.2	1103	0.5	1103	0.7
26.2	245	1.6	1103	0.8	1103	1.1
29.5	194	2.1	1103	1.1	1103	1.5
32.8	157	2.6	1103	1.6	1103	2.1
36.1	129	3.1	1103	2.1	1103	2.8
39.4	108	3.7	1103	2.7	1006	3.4
42.7	91	4.4	1103	3.5	921	4
45.9	77	5.1	1103	4.4	846	4.7
49.2	66	5.9	1049	5.3	780	5.4
52.5	53	6.3	976	6.1	720	6.2



Span	Uniform distribution load	Deflection	Third point load	Deflection	Quarter point load	Deflection
Feet	Pounds/ft	Inches	Pounds	Inches	Pounds	Inches
13.1	640	0.3	2994	0.3	2298	0.3
16.4	511	0.5	2631	0.4	2058	0.5
19.7	424	0.9	2330	0.7	1845	0.7
23	318	1.2	2084	0.9	1670	1.1
26.2	245	1.6	1880	1.3	1519	1.4
29.5	194	2.1	1707	1.7	1354	1.8
32.8	157	2.6	1559	2.1	1218	2.3
36.1	129	3.1	1431	2.6	1104	2.8
39.4	108	3.7	1318	3.2	1006	3.4
42.7	91	4.4	1218	3.8	921	4
45.9	77	5.1	1129	4.5	846	4.7
49.2	66	5.9	1049	4.3	780	5.4
52.5	53	6.3	976	6.1	720	6.2

# Clamps

## #5035 Half Coupler



The half coupler is the standard in heavy duty clamps and can accommodate up to 1100 lbs tensile load. Due to its width, it offers substantially more load bearing surface, and is thus better secured.

### Technical Data

Compatibility:	2"
Width:	1.97"
Tensile load:	1100 lbs
Retaining screw:	M10
Bolt size:	M12
Cert. to:	DIN 4113-1:1980 + A1: 2002 DIN 41136-2:2002 DIN V 41136- 3:1999

## #5033 Half Coupler w/ eyebolt



With this clamp, you can install a rigging eyebolt at any point onto truss. It can be used to mount shackles, steel cables and a variety of other lifting equipment.

### Technical Data

Compatibility:	2"
Width:	1.97"
Tensile load:	440 lbs
Cert. to:	DIN 4113-1:1980 + A1: 2002 DIN 41136-2:2002 DIN V 41136- 3:1999



# Clamps

## #5035-2

### Narrow Half Coupler

This narrow half coupler is impressive due to its width of only 1.18". It fastens more effectively and more simply to the truss, with less chance of cross bracing getting in the way. The load carrying capacity is rated at a sturdy 440 lbs.

#### Technical Data

Compatibility: 2"  
Width: 1.18"  
Tensile load: 440 lbs  
Retaining screw: M10  
Bolt size: M12  
Cert. to: DIN 4113-1:1980 + A1: 2002  
DIN 41136-2:2002  
DIN V 41136- 3:1999



The 812 is one of the most widely used coupler in the world. Proven millions of times over within the industry, and stands as an indispensable element for any event. Its slim design means you can attach the coupler at nearly any position on the truss. It is the ideal choice for smaller and medium sized devices.

#### Technical Data

Compatibility: 2"  
Width: 1.18"  
Tensile load: 220 lbs  
Retaining screw: M10  
Bolt size: M8  
Cert. to: DIN 4113-1:1980 + A1: 2002  
DIN 41136-2:2002  
DIN V 41136- 3:1999

## #812 Low Profile Half Coupler



# Clamps

## #812E Low Profile Quick Release



With the help of the quick locking mechanism, small to medium sized devices can be attached quickly and easily. By turning the locking bracket, you can apply more pressure to the truss. Simply flip the bracket to close the coupler.

### Technical Data

Compatibility:	2"
Width:	1.18"
Tensile load:	220 lbs
Retaining screw:	M10
Bolt size:	M8
Cert. to:	DIN 4113-1:1980 + A1: 2002 DIN 41136-2:2002 DIN V 41136-3:1999

## #5070 Trigger Clamp



The trigger clamp is a clever combination of c-clamp and half coupler and is ideal for securing heavy devices. The trigger clamp is easy to hang and guarantees a certain level of drop safety, even when the clamp is still open, making it easy for someone working alone.

### Technical Data

Compatibility:	2"
Width:	1.18"
Tensile load:	550 lbs
Retaining screw:	M10
Bolt size:	M8
Cert. to:	DIN 4113-1:1980 + A1: 2002 DIN 41136-2:2002 DIN V 41136-3:1999

# Clamps

The Self locking Hook Clamp is a fast and simple way to attach devices to a truss. The special design with lateral screw prevents it from hooking itself to the devices or to the cross beam. The large wing nut makes it easy to lock the clamp in place.

## Technical Data

Compatibility: 2"  
Width: 1.18"  
Tensile load: 551 lbs  
Bolt size: M12  
Cert. to: DIN 4113-1:1980 + A1: 2002  
DIN 41136-2:2002  
DIN V 41136-3:1999

## #5073 Self locking Hook Clamp



The double construction of these clamps allows you to connect two main chords securely. The coupler can be locked at 90 degrees with the help of a hollow clamping dowel pin.

## Technical Data

Compatibility: 2"  
Width: 1.97"  
Tensile Load: 1100 lbs  
Cert. to: DIN 4113-1:1980 + A1: 2002  
DIN 41136-2:2002  
DIN V 41136-3:1999

## #5038-90 Double Cheeseboro



# Clamps

## #5025 Narrow Double Cheeseboro



This clamp only has a width of 1.18". It fastens more effectively and more simply to the truss, without being blocked by any cross braces. The middle joint of this coupler is rotatable and can connect at any angle.

### Technical Data

Compatibility:	2"
Width:	1.18"
Tensile load:	440 lbs
Cert. to:	DIN 4113-1:1980 + A1:2002 DIN 41136-2:2002 DIN V 4113-3:1999

## #5032-2 Double Low Profile Coupler



This swivel coupler allows you to connect round pipes, and has a maximum tensile load rating of 220lbs.

The middle joint of this coupler is rotatable and can connect at any angle.

### Technical Data

Compatibility:	2"
Width:	1.18"
Tensile load:	220 lbs
Cert to:	DIN 4113-1:1980 + A1:2002 DIN 41136-2:2002 DIN V 4113-3:1999



# Clamps

This clamp is a standard conical combined with a clamp. With the conical piece, the clamp can be attached to any crossbeam allowing for further construction options.

## #5034 Half Coupler Half Conical



### Technical Data

Compatibility: 2"  
Width: 1.97"  
Tensile load: 1100 lbs

### Cosmic Truss Accessories

Cosmic Truss also has a variety of accessories such as the Truss Top Mount or Truss Hanger.

There are a variety of different accessories available to help bring a project to life. Cosmic Truss can, upon request, even create custom pieces, ensuring truss designs can be fully realized and guaranteeing the success of a project.

#### TRUSSWHEEL

3.28ft. truss wheel



#### Truss Top Mount

F34TOPAA  
F34TOPAA-B



#### Truss Hanger

5039-1  
5039-2  
5039-3

Compatibility: 2"  
Tensile Load: 220 lbs  
Retaining Screw: Eye bolt  
Bolt size: M10

# Clamps

## Staging Clamps

Also available are a selection of staging clamps, featuring easy to use enlarged aluminum handles.

The stage clamp variants are available for the 5035, 5035-2, 5038 and 5025 clamps.

These CT staging clamps feature the same materials, durability and compatibility as their standard counterparts.



**#5038-90-BS**



**#5035-2-BS**



**#5025-BS**



**#5035-BS**

# Truss Tool



The Truss Tool by Cosmic Truss is an extremely useful piece of equipment for veteran and novice riggers alike.

The tool helps secure pieces of truss together, or pull stiff pieces of truss apart.

The practical tongs enable easy connection of two truss pieces, saving on valuable time.

The Truss Tool is placed on the truss "junction".

The handle then acts as a lever, forcing truss and conical together, creating a firm connection and making it easy to add pins and clips.

## Truss Tool

Code: 40021

Compatibility:

Any standard 2" truss

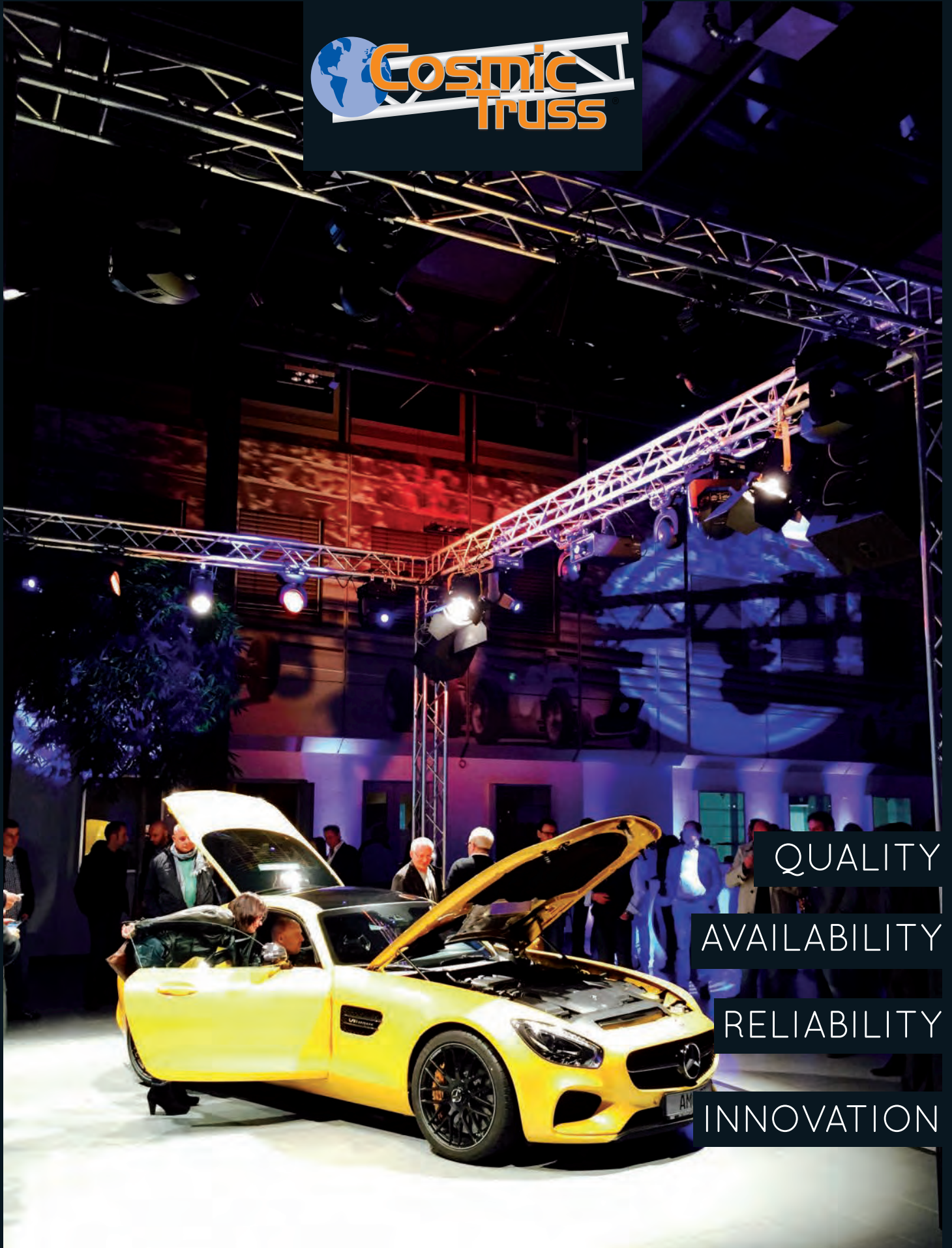
Features:

Adjustable shear

Telescopic handle







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