Truss Catalogue

Conical Truss Systems

Fork End Truss Systems

Ground Support Towers

EUROTRUSS

EUROTRUSS

EUROTRUSS - EXPERTISE IN TRUSSING

There is no doubt, EUROTRUSS, is one of the leading suppliers of aluminium trussing systems on the international market.

Great expertise, a high level of quality, efficient and modern production technology and a superb fast connection system are the pillars on which Eurotruss has developed a comprehensive product range for all purposes.

This is even of more importance than ever as with the constant flow of copies the interest in quality, durability and ultimately safety tends to disappear.

Rumours like that all brands come from the same factory, all have same approvals, all truss do the same trick result in less attention for the key aspects of truss.

You can not jeopardize the rules of rigging and as truss is major tool for hanging your lights, PA and other objects every self respecting truss manufacturer has the duty to present and sell a safe product.

It is crucial that any truss user gather all truss information about quality, loading charts, approvals and all there is to know about trussing before purchasing or promotion a certain brand.

Truss is made for the professionals. Working in a professional market requires a professional approach.

Eurotruss stands for:
Quality Counts and Pays Off!!

Content

Company Profile

From the past leading to the future

History

In the year 1993 Eurotruss started the production of aluminium truss systems.

In 1993 Eurotruss successfully opened the first conical spigot connection which ultimately has proven to be an important innovation in the truss market.

After the introduction of this new connection system in 1993 Eurotruss has established a modern production facility in machinery, premises and remained the highest quality level in terms of products as well as high performance of the organization. During the last decade we have established an extensive and well trained dealer network of worldwide dealers.

In 2008 Eurotruss opened succesfully a sales office in Dubai, UAE, which handles all sales and deliveries in the Middle East. A well motivated and trained team, a big stock of all popular truss types and a 24/7 mentality is the key to be the right partner for all truss users in the Middle East.

In 2010 Eurotruss aquired the brand Slick which operates independantly and with the access of the expertise of fork connection, Eurotruss extended its product range with 4 types of Fork End Truss Systems and a Ground Support Tower System.

In order to cope with the structural growth without compromising the high quality standard we have set, Eurotruss production facilities has expanded to 10.000m^2.

Eurotruss has always been upfront with the latest technology and quality standards, something that will remain one of the key aspects in the future. As one of the first companies in the industry of truss manufacturing Eurotruss got TuV and later on a SLV/Welding Approval as well as a Building Permit on Roofs and Complex Structures, all according the highest quality specifications set by the respected institutions and authorities. Eurotruss adhere to the highest EU specifications within Aluminium, DNV (Welders Qualification) in order to provide a safe and quality product.

Eurotruss is ready to move forward. In order to provide the Eurotruss User the most suitable truss type, highest quality and best support, we have divided the Eurotruss Markets in TOURING, CORPORATE, INSTALLATIONS, THEATRE AND INDUSTRY.

TOURING

Eurotruss is worldwide one of the well known brands and partners of dry-hire and production rental companies. Unbeatable quality, flexibility, maximum technical & engineering support are the key issues for the rental companies in the Touring Industry.

The demands from promoters, installers and rigging companies are under constant development which need to be followed up by the touring rental companies in order to maintain their position. The lead times between decision and delivery has became more tight and for this the touring rental companies have great interest in aluminium trussing companies who are able to have the flexibility but also the capacity to handle their requirements fast without enhanced cost and stress. Eurotruss has grown along with these companies in this market and simply adapted this short term order processing.

In the entertainment industry touring rental companies have expanded their work field worldwide by exporting their services, alliances and own offices in the world. The broad dealer network of Eurotruss has became a valuable asset as the leading rental companies require local support just anywhere in the world.

Flexibility, Durability, Quality and Support at the best possible price are the main characteristics that make Eurotruss the leading manufacturer and supplier in Touring Industry.

CORPORATE

With the recognition of aluminium truss systems as the perfect modular »frames« for exhibitions and temporarily corporate installations for marketing purposes, more and more rental companies have grown an expertise in this field.

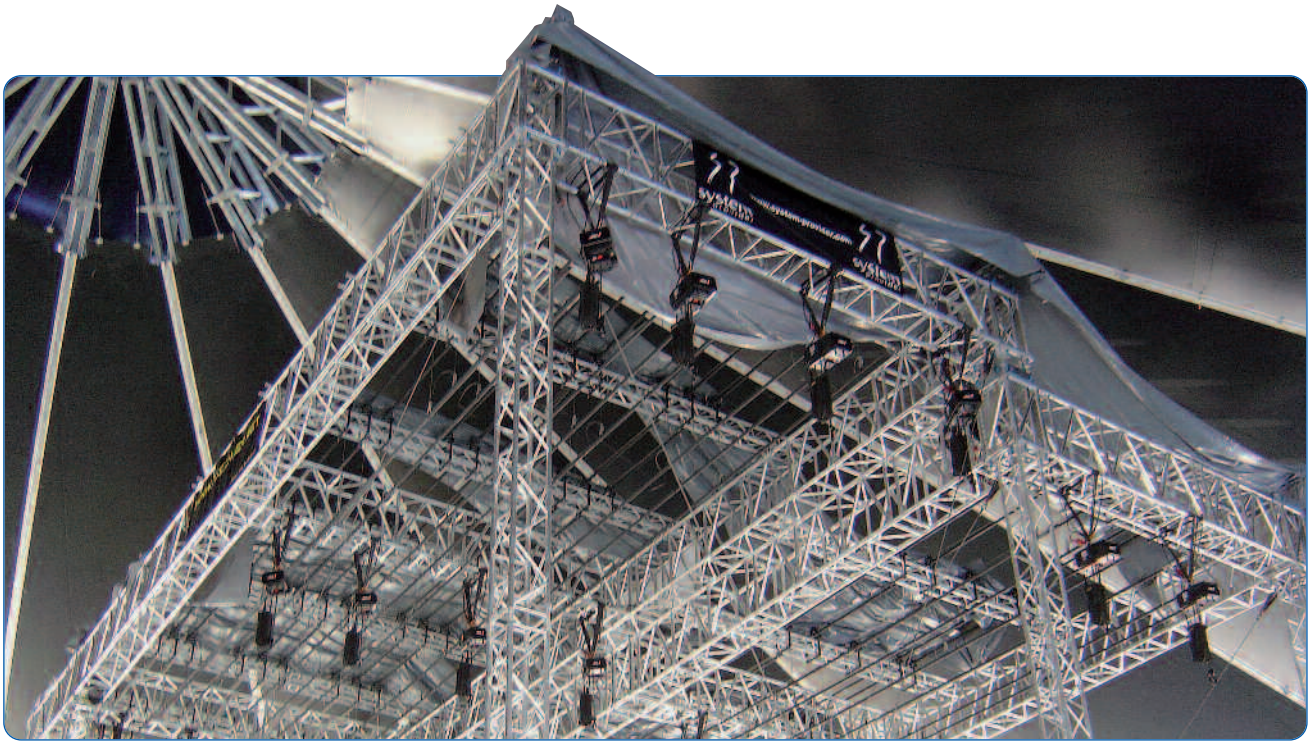
The demands from those rental companies are basically support in design, presentation and engineering as well as harmonization in their product range on stock. Eurotruss has a very strong position as a total supplier in this industry. This has led to a worldwide network of the major corporate rental companies

Design and fabrication of custom applications is our speciality. We pride ourselves on quick response for custom projects of any size.

Design, Flexibility, Quality and Support at the best possible price are the main characteristics that make Eurotruss the leading manufacturer and supplier in Corporate Industry.

Company Profile

From the past leading to the future



INSTALLATIONS

Recently more and more permanent and semi temporarily installations are being built with aluminium truss systems.

The demands from those installers are support in design, value engineering in terms of a loadability as well as rigging and installation support. Eurotruss is used to cope with designing and engineering the truss grids suitable for the requested load, given building circumstances and all matching the budget. Design and engineering of installation truss to match requirements and budget is our speciality. We pride ourselves of supplying the biggest truss installation job worldwide using over 22.000m of box truss

Design, Engineering, Quality and Support matching the budgets are the main characteristics that make Eurotruss the leading manufacturer and supplier in the Installation Industry.

THEATRE

By referring to theatre we mean all permanent and temporarily set ups for theatre, film and TV.

The demands from the theatre industry are mainly focused on design, safety, engineering in terms of a loadability as well as integration of fly bars etc. During the years Eurotruss gained a lot of expertise in the theatre, film and tv world cooperation with suppliers of draps, fly bars, tribunes and stages. Eurotruss invested in a wide network of theatre suppliers to become a total supplier and have the capability and expertise to supply complete mobile theatre set ups, tents and structures.

Design, Engineering, Safety and Total Support within the specifications of the architects are the main characteristics that make Eurotruss the leading manufacturer and supplier in the Theatre Industry.

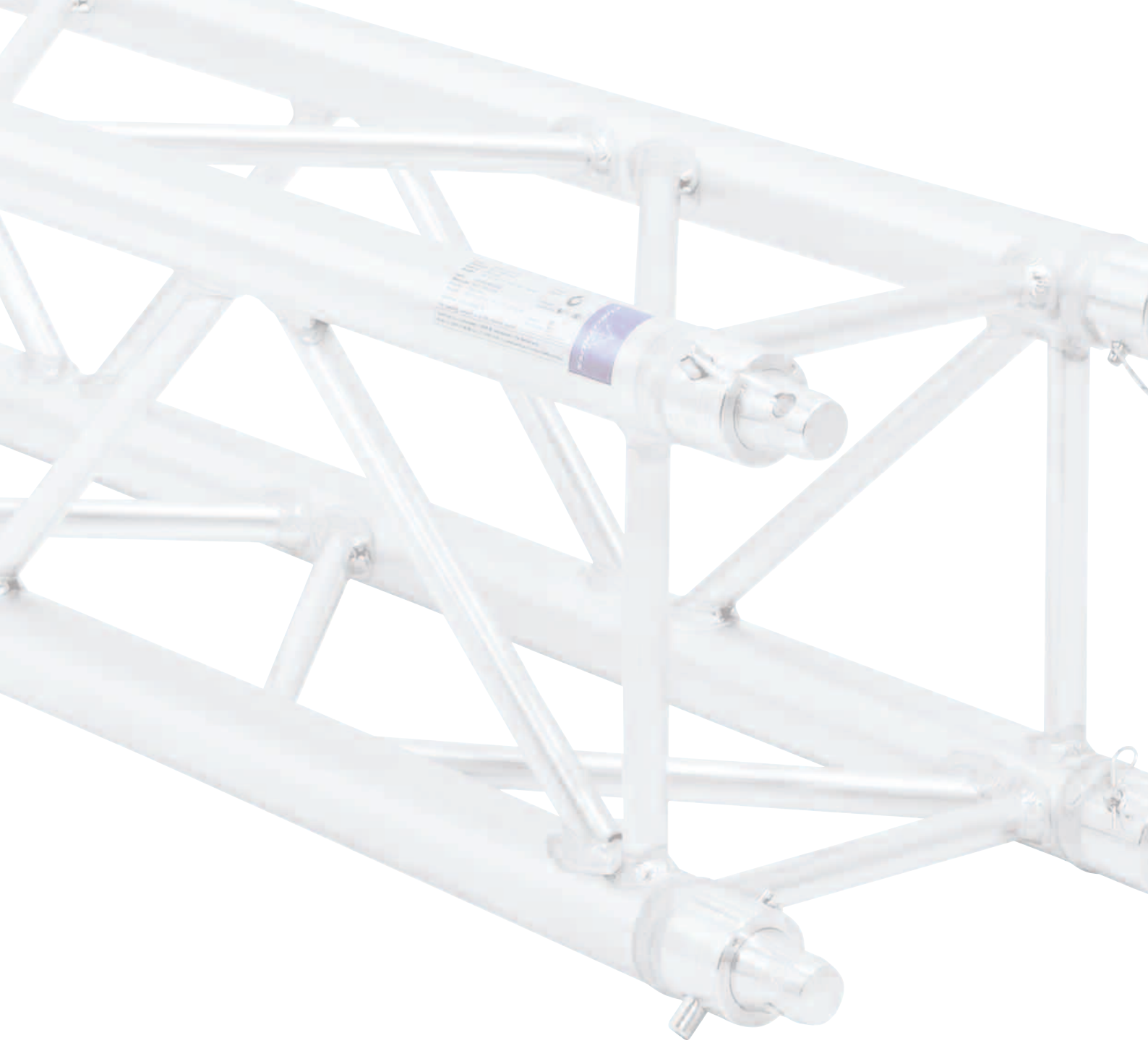
Markets	TOURING	CORPORATE	INSTALLATION	THEATRE	INDUSTRY
Conical Truss					
MT / TT / XT		x		x	x	x
FT100 / FT50		x	x			
ST		x	x	x	x	x
XD		x	x	x	x	
HD/FD 4X		x		x	x	x
HD/FD 3X		x	x	x	x	x
Circles		x	x	x	x	
Towers		x	x	x	x	
PA Towers		x				
LED Bridges		x				
Customized		x	x	x	x	x
Fork End Truss						
Maxi Beam		x		x	x	x
Nova Beam				x	x	
GS		x	x	x	x	x
Mini Beam		x	x	x	x	
Tower		x	x	x	x	
Customized		x	x	x	x	x

INDUSTRY

In the offshore, shipyards, transport and building Industry for several specialist applications aluminium trussing can be a perfect substitution for steel structures.

Eurotruss as one of the first have made several customized structures for industrial applications which has been adapted as standard truss apllications for the industrial market. A tested and approved truss fabrication meeting the highest quality requirements is obligatory for the Industry. Eurotruss has all the approvals, expertise, engineering support and service level which enabled us to become the standard in many fields of the Industrial Market.

Design, Engineering, Highest Quality and Service are the main characteristics that give Eurotruss a leading position in the Industrial market.



Pre Rig Truss

MT Rectangular Truss • TT Rectangular Truss • XT Rectangular Truss • FT100 Folding Truss

Heavy Truss

ST SquareTruss • FT50 Folding Truss • XD Rectangular Truss

HD / FD Truss

HD44 / FD44 Square Truss • HD43 / FD43 Triangle Truss • HD42 / FD42 Ladder Truss • HD34 / FD34 Square Truss
HD33 / FD33 Triangle Truss – two tubes up • HD33 / FD33 Triangle Truss – two tubes down • HD32 / FD32 Ladder Truss

Accessories

Corner Blocks • Circles and curved trusses • Accessories

Towers

Tower Erecting System • LED Bridges • PA Towers • Ground Support Tower TD50 • Ground Support Tower TD44
Ground Support Tower TD35 • Ground Support Tower HD/FD34

Conical Truss Systems

SYSTEM OVERVIEW CONICAL TRUSS

General Overview of the Eurotruss Conical Truss System

Which Truss for which purpose ?

This overview categorizes all the various truss series from high load bearing capacity truss to small compact triangle deco truss. Each truss series has its own specifications and purpose.

In general we list three major Truss Series, Pre Rig Truss, Heavy Truss and HD / FD Truss. Naturally Eurotruss carries a broad range of circles, accessories and towers which you will find in this catalogue.

TuV Approval

Eurotruss Aluminium Truss Series have the TuV Approval (Bau-Art Prufung). All given loading charts are fully approved by the TuV and all truss series are made according the DIN 4113 specifications by the TuV.

Labelling

Each trussing manufacturer should take responsibility for its responsibility and its duty to inform the user about the characteristics of that specific product.

Eurotruss has always used labels which contain all the information necessary. Each product range has its own label and can be distinguished by its colour. The label of the Pre Rig Truss Range is gold, of the Heavy Truss black and of the HD/FD Series blue.

HD or FD Truss?

As HD Truss has the same connection as FD Truss, it could be mixed although the load bearing capacities are different. In order to recognize the HD Truss an extra RING is being milled in the female receiver.

* If you mix FD and HD truss than you should always work with the loading charts of the FD truss.

The Original

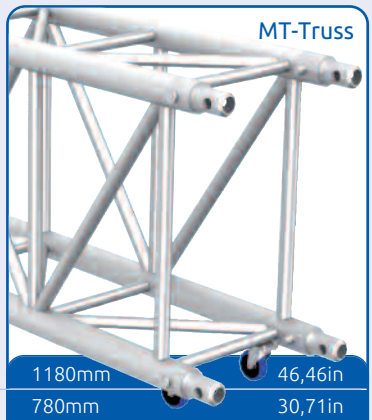
As labels can be removed Eurotruss has an unique mark to give the users the proof that they work with an original Eurotruss. At the end of the femal receiver a ring with the text »Eurotruss Model Protection plus number« is engraved.

Always check for its original mark and make sure that you only work with an AUTHENTIC Eurotruss.

PRE RIG TRUSS

The Pre Rig system is capable of bearing high loads on long free spans.

The dimensions, used material and strong connection offers the optimal product for various purposes like big indoor- and outdoor spans, ground supports and roof systems. The truss series are made according the TuV specifications and made with the fast connection system.



	MT-Truss	
Height:	1180mm	46,46in
Width:	780mm	30,71in
Weight:	~60kg /m	~40 lbs/ft
Main Tube:	120 x 5mm	4,72 x 0,2in
Braces:	60 (50) x 4mm	2,36 (1,97) x 0,16
Material:	EN AW-6082 T6	
Connection:	CS4-CON	

	TT-Truss	
Height:	1010mm	39,76in
Width:	580mm	22,83in
Weight:	~25 kg/m	~16,8 lbs/ft
Main Tube:	60 x 5mm	2,36 x 0,2in
Braces:	50 (30) x 3mm	1,97 (1,18) x 0,12in
Material:	EN AW-6082 T6	
Connection:	CS3-CON	

	XT-Truss:	
	810mm	31,89in
	580mm	22,83in
	~20 kg/m	~13,4 lbs/ft
	50 x 4mm	1,97 x 0,16in
	30/40/50 x 3mm	1,18/1,57/1,97 x 0,12in
	EN AW-6082 T6	
	CS3-CON	

	FT100-Truss:	
	986mm	38,82in
	580mm	22,83in
	~22 kg/m	~14,8 lbs/ft
	60 x 5mm	2,36 x 0,2in
	50 x 3mm	1,97 x 0,12in
	EN AW-6082 T6	
	CS3-CON	

SYSTEM OVERVIEW CONICAL TRUSS

General Overview of the Eurotruss Conical Truss System

PRE RIG TRUSS

MT: Up to 60m (196,85ft) of span with impressive load bearing capacity. The ultimate Pre Rig Truss made of aluminium standard equipped with castors.

TT: Up to 40m (131,23ft) of span with impressive load bearing capacity. The ultimate solution for Pre Rig.

XT: More than 24m (78,74ft) of span required, also good loading and suitable as Pre Rig. XT will be your choice.

FT100: The truss for a tour! High load bearing capacity and a minimum of space required. Up to spans of 44m (144,36ft) with impressive loads.

HEAVY TRUSS

ST: Made for big jobs with 50cm (1,64ft) square size. Impressive result.

FT50: The truss for the tour! High load bearing capacity and a minimum of space required.

XD: For professional installers and stand builders this relatively small truss, developed for indoor use, has an enormous load bearing capacity.

HD / FD TRUSS

HD4X: An upgrade of FD4x by using a 3mm (0,12in) wall thickness which results in a higher load bearing capacity and durability.

FD4X: The big brother of the FD3X with an even higher loading capacity.

HD3X: An upgrade of the FD3x by using a 3mm (0,12in) wall thickness which results in a higher load bearing capacity and durability.

FD3X: With the FD32 (ladder), FD33 (triangular) and FD34 (square) this system is the most used truss in our programm. Up to middle long spans the solution for exhibition stands and small roofs.

TOWER TRUSS

TD50 TOWER TRUSS:

The TD50 Tower Truss is the new Tower for TT Main Rigs. The Tower Mast sections are rigid and have additional one side horizontal brace for climbing.

TD44 TOWER TRUSS:

The TD44 Tower Truss is the standard Tower for FT, XT and TT Main Rigs. The TD44 Tower is the HD44 Truss with an additional one side horizontal brace for climbing.

TD35 TOWER TRUSS:

The TD35 Tower Truss is the standard Tower for ST Main Rigs. The TD35 Tower matches with the ST Truss System and has on one side an additional horizontal brace for climbing.

HD/FD34 TOWER TRUSS:

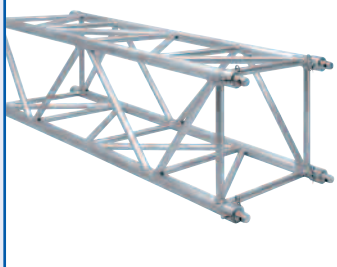
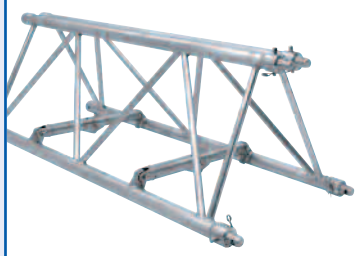
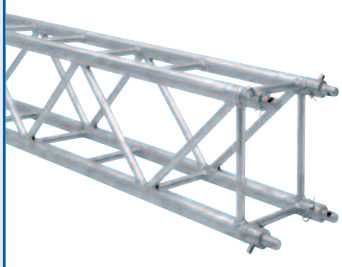
The HD/FD34 Tower Truss is the standard Tower for HD/FD34 and HD/FD44 Main Rigs. The HD/FD34 Tower is the standard HD/FD34 Truss.

HEAVY TRUSS

The Heavy Truss system is capable of bearing high loads on long free spans.

The dimensions, used material and strong connection offers the optimal product for various purposes like big indoor- and outdoor spans, ground supports and roof systems.

The truss series are made according the TuV specifications and made with the fast connection system.

	ST-Truss	FT50-Truss	XD-Truss:	
				
Height:	510mm / 20,08in	531mm / 20,91in	400mm / 15,75in	
Width:	510mm / 20,08in	580mm / 22,83in	290mm / 11,42in	
Weight:	~13,5kg/m / ~9,1 lbs/ft	~13,5kg /m / ~9,1 lbs/ft	~9kg/m / ~6,0 lbs/ft	
Main Tube:	50 x 4mm / 1,97 x 0,16in	50 x 4mm / 1,97 x 0,16in	50 x 3mm / 1,97 x 0,12in	
Braces:	30 x 3mm / 1,18 x 0,12in	25 x 3mm / 0,98 x 0,12in	25 x 3mm / 0,98 x 0,12in	
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6	
Connection:	CS3-CON	CS3-CON	CS2-CON	

SYSTEM OVERVIEW

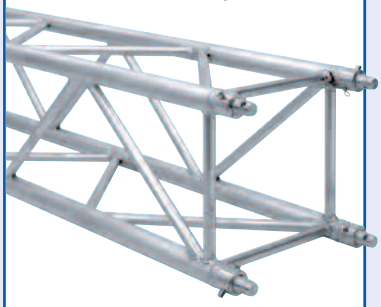
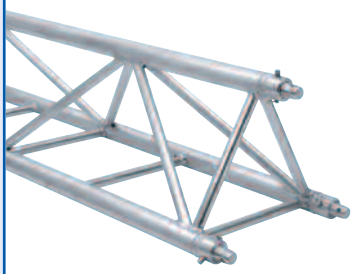
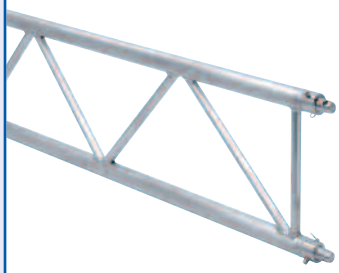
General Overview of the Eurotruss Conical Truss System

HD / FD 4X-SERIES

The 40-er Truss Systems are capable of bearing medium duty loads on free spans up to 18m (59,06ft).

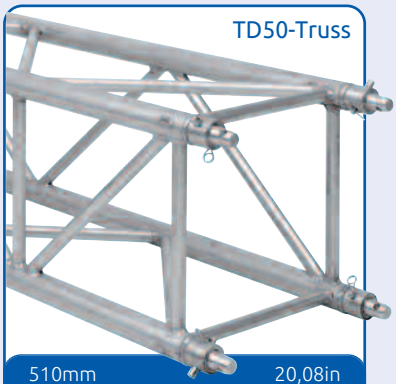
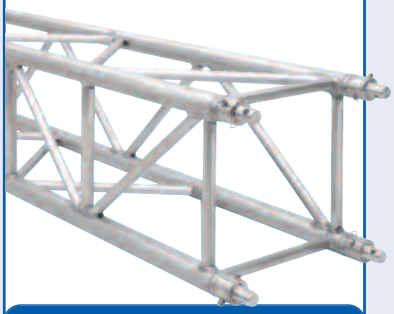
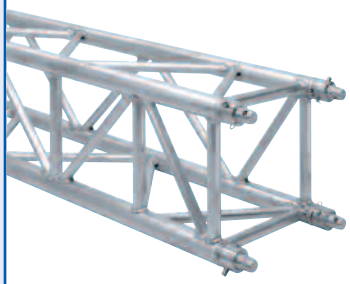
The dimensions, materials used and strong connections offer the optimal product for various purposes like indoor- or outdoor spans and ground supports.

The truss series are made according the TuV specifications and made with the fast connection system.

	HD/FD44-Truss	HD/FD43-Truss	HD/FD42-Truss:
			
Height:	400mm 15,75in	353mm 13,90in	400mm 15,75in
Width:	400mm 15,75in	400mm 15,75in	50mm 1,97in
Weight:	~9,5 / ~7,5kg/m ~6,4 / ~5,0 lbs/ft	~5,9 / ~5,1kg/m ~3,9 / ~3,4 lbs/ft	~4,5 / ~3,5kg/m ~3,0 / ~2,3 lbs/ft
Main Tube:	50 x 3 (2mm) 1,97 x 0,12 (0,08)in	50 x 3 (2mm) 1,97 x 0,12 (0,08)in	50 x 3 (2mm) 1,97 x 0,12 (0,08)in
Braces:	25 x 2mm 0,98 x 0,08in	25 x 2mm 0,98 x 0,08in	25 x 2mm 0,98 x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON	CS1-CON

TOWER TRUSS

The truss series are made according the TuV specifications and made with the fast connection system.

	TD50-Truss	TD44-Truss	TD35-Truss
			
Height:	510mm 20,08in	400mm 15,75in	350mm 13,78in
Width:	510mm 20,08in	400mm 15,75in	350mm 13,78in
Weight:	~16,5kg / m ~11,08 lbs / ft	~9,5kg / m ~6,38 lbs / ft	~8,5kg / m ~5,71 lbs / ft
Main Tube:	60 x 5mm 2,36 x 0,2in	50 x 3mm 1,97 x 0,12in	50 x 3mm 1,97 x 0,12in
Braces:	30 x 3mm 1,18 x 0,12in	25 x 2mm 0,98 x 0,08in	25x2 / 30x3mm 0,98x0,08 / 1,18x0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS1-CON	CS1-CON

The TD50 Tower Truss is the mast section for the towers in a MT / TT Ground Support and in a TT Roof System as well as the standard tower in the impressive MT Roof.

The TD44 Tower Truss is the standard mast section for the towers in a FT, XT and TT Ground Support and Roof System.

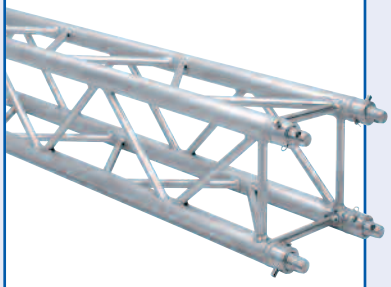
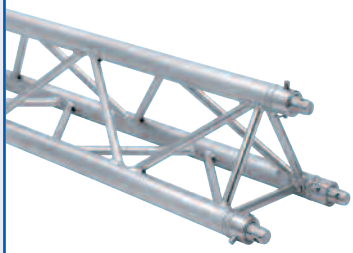
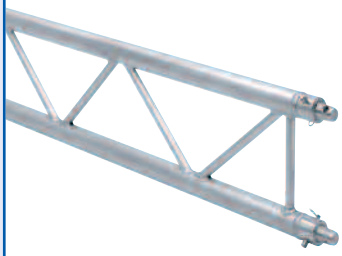
The TD35 Tower Truss is the standard mast section for the towers in a ST Main Rig, Ground Support and Roof System.

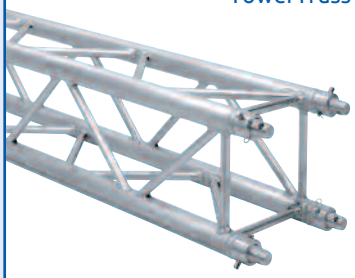
HD / FD 3X-SERIES

These Truss Systems are capable of bearing medium duty loads on free spans up to 16m (52,49ft).

The dimensions, materials used and strong connections offer the optimal product for various purposes like exhibition stands, installations, ground supports and small roof systems.

The truss series are made according the TuV specifications and made with the fast connection system.

	HD/FD34-Truss	HD/FD33-Truss	HD/FD32-Truss:
			
Height:	290mm 11,42in	258mm 10,16in	290mm 11,42in
Width:	290mm 11,42in	290mm 11,42in	50mm 1,97in
Weight:	~7,5 / ~6kg/m ~5,0 / ~4,0 lbs/ft	~5,5 / ~4,5kg/m ~3,7 / ~3,0 lbs/ft	~4 / ~3kg/m ~2,7 / ~2,0 lbs/ft
Main Tube:	50 x 3 (2mm) 1,97x0,12 (0,08)in	50 x 3 (2mm) 1,97 x 0,12 (0,08)in	50 x 3 (2mm) 1,97 x 0,12 (0,08)in
Braces:	20 x 2mm 0,79 x 0,08in	20 x 2mm 0,79 x 0,08in	20 x 2mm 0,79 x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON	CS1-CON

	HD/FD34-TowerTruss
	
	290mm 11,42in
	290mm 11,42in
	~7,5 / ~6kg/m ~5,0 / ~4,0 lbs/ft
	50 x 3 (2)mm 1,97 x 0,12 (0,08)in
	20 x 2mm 0,79 x 0,08in
	EN AW-6082 T6
	CS1-CON

The HD/FD34 Tower Truss is the standard mast section for the towers in a HD/FD34, HD/FD44 and XD Ground Support and also in the 12x10m (39,37x32,81ft) MD Roof System.

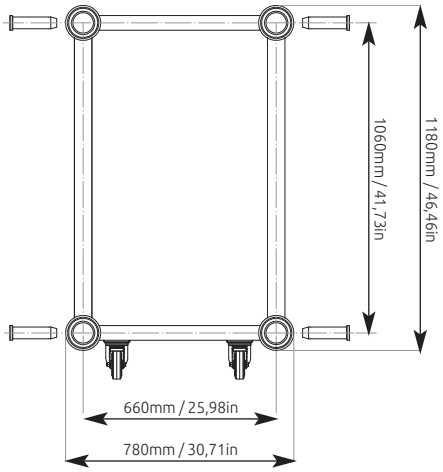
The straight elements of the HD/FD34 Tower consist of HD/FD34 Standard Truss wallowing a variety of combinations.

MT Rectangular Truss

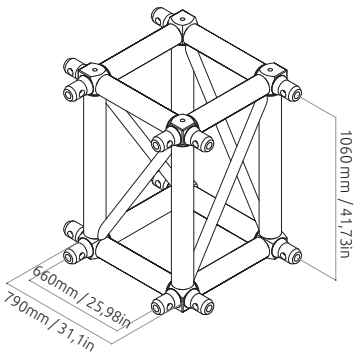
Pre Rig Truss for gigantic loads and long spans

- 5mm (0,2in) wall thickness of 120mm (4,72in) main tube
- Tolerance free conical connector
- High stability aluminium alloy
- Excellent load bearing capacity
- Low dead weight
- High wear resistance
- TuV approved

Dimensions MT



Dimensions MT Cornerblock



The ultimate Pre Rig Truss for spans up to 60m / 196,85ft

The MT Truss lends itself to use as beding resistant spans at a free span of 60m (196,85ft) with gigantic load bearing capacity. On a free span of 28m (91,84ft) the MT has the impressive result of 7.224kg (15.888lbs).

Due to its special design and shape the MT Truss exhibits an enormous rigidity and can thus be used for very long spans with high loadings.

The 120x5mm (4,72 x 0,2in) guarantees extreme durability and reduction of users damage.

The MT is a real Monster Pre Rig Truss and a rigger`s delight. Trussing of this size need well designed balance of alloy, dimensions and welding procedure. The long braces are made of 60mm (2,36in) as a bigger diameter is necessary to avoid the risk of bending.

Eurotruss uses only braces cut by laser to receive a punctual fitting on the main tube avoiding too much welding, heat which weakens the truss.

Under strict tested welding procedure the MT Truss is made with superb fast connection system and approved according the DIN 4113 specifications by the TuV.

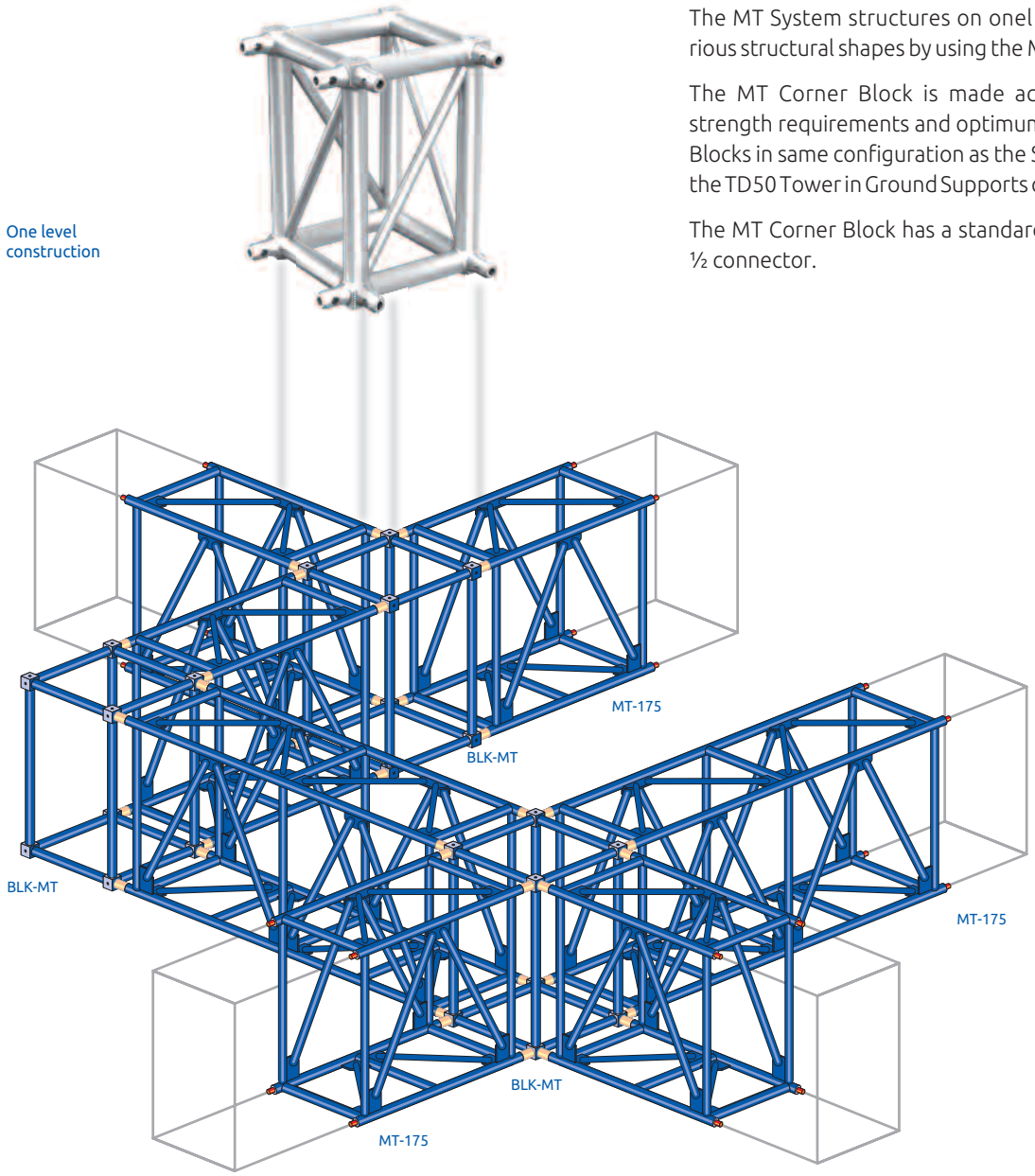
Measurements MT

	Size in cm	Size in inch
Main tube:	120x 5mm	4,72 x 0,2in
Braces:	60 (50) x 4mm	2,36 (1,97) x 0,16in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS4-CON	CS4-CON
Weight:	~60 kg/m	~40 lbs/ft

Measurement Corners for MT-System

Corner	Size in cm	Size in feet
2-Way BLK-TT	78,5 x 78,5cm	2,58 x 2,58ft
3-Way BLK-TT	79 x 78,5cm	2,59 x 2,58ft
4-Way BLK-TT	79 x 79cm	2,59 x 2,59ft
BLK-MT	90° in 4 dir.	90° in 4 dir.
Receiver	**Size in cm**	**Size in feet**
CS4-SCON	Bold on Screw ½	Connector for MT

*4 pcs.required for one attachment



MT Construction

The ultimate Pre Rig Truss for spans up to 60m / 196,85ft

The MT System structures on onel level allows various structural shapes by using the MT Corner Block.

The MT Corner Block is made according to the strength requirements and optimum size to use the Blocks in same configuration as the Sleeve Blocks on the TD50 Tower in Ground Supports or Roof Systems.

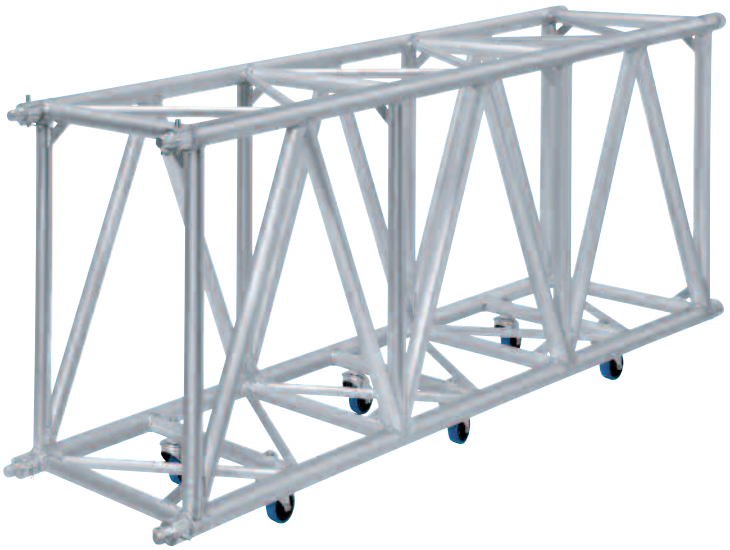
The MT Corner Block has a standard bold on screw ½ connector.

Loadcases MT

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	16	52,48	20	65,6	24	78,72	28	91,84	32	104,96	36	118,08	40	131,2
CPL	kg I lbs	7370	16214	5620	12364	4453	9797	3584	7885	2901	6382	2342	5152	1869	4112
Deflection	mm I inch	46	1,84	73	2,92	107	4,28	147	5,88	195	7,8	250	10	315	12,6
UDL:	kg/mtr I lbs/ft	913	614	562	378	371	249	258	173	181	122	130	87	93	62
Deflection	mm I inch	53	2,12	80	3,2	110	4,4	141	5,64	170	6,8	195	7,8	214	8,56

TT Rectangular Truss

Pre Rig Truss for huge loads and long spans



- Tolerance free conical connector
- High stability aluminium alloy
- Excellent load bearing capacity
- Low dead weight
- High wear resistance
- TuV approved
- 5mm (0,2in) wall thickness of 60mm (2,36in) main tube

The ultimate Pre Rig Truss for spans up to 40m /131,23ft

The TT Truss lends itself to use as bending resistant spans at a free span of 30m (98,43ft) with extreme load bearing capacity, even at spans up to 40m (131,23ft) the TT Truss has impressive results.

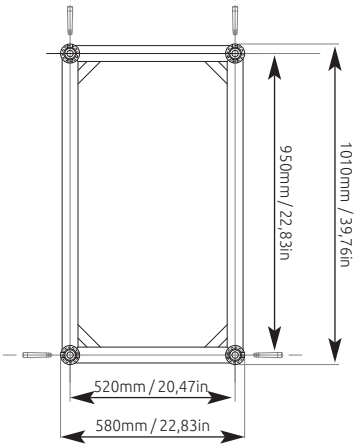
Due to its special shape and dimensions the TT Truss exhibits a great rigidity and can thus be used for long spans with high loadings.

The 60x5mm (2,36 x 0,2in) tube reduces transportation damage and guarantees extreme durability.

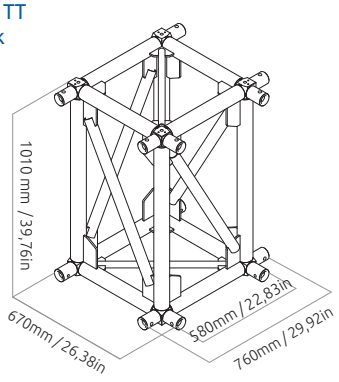
Trussing with big profile geometric have long braces which have a risk of bending. Therefore it is necesaary to use bracing with a bigger diameter. This causes other problems which needs to be considered. Eurotruss uses only braces cut by laser to receive a punctual fitting on the main tube avoiding too much welding, heat which weakens the truss.

Under strict tested welding procedure the TT Truss is made with superb fast connection system and approved according the DIN 4113 specifications by the TuV.

Dimensions TT



Dimensions TT Cornerblock



Measurements TT

	Size in cm	Size in inch
Main tube:	60x 5mm	2,36 x 0,2in
Braces:	50 (30) x 3mm	1,97 (1,18) x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS3-CON
Weight:	~25 kg/m	~16,8 lbs/ft

Measurement Corners for TT-System

Corner	Size in cm	Size in feet
2-Way BLK-TT	67 x 67	2,2 x 2,2
3-Way BLK-TT	76 x 67	2,49 x 2,2
4-Way BLK-TT	76 x 76	2,49 x 2,49
BLK-TT	90° in 4 dir.	
Receiver	**Size in mm**	**Size in inch**
CS3-BOB85	85mm*	3,35in*

*4 pcs.required for one attachment

TT Rectangular Truss

TT Corner Block allows various shapes

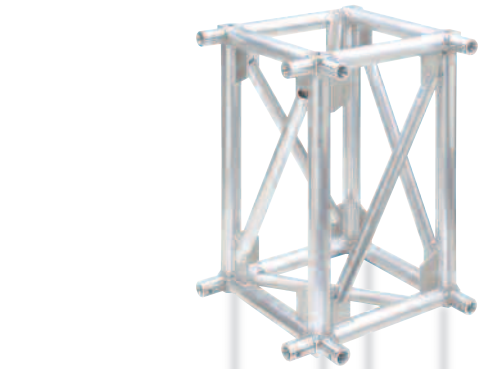
TT Construction

The ultimate Pre Rig Truss for spans up to 40m (131,23ft).

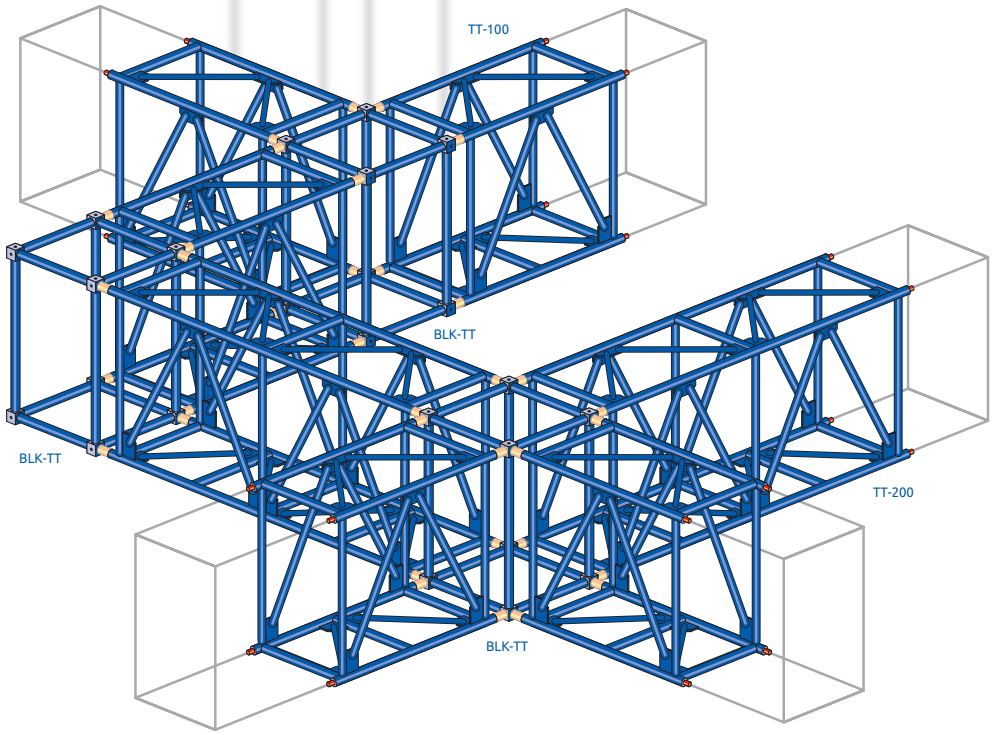
The TT-System structures on one level allows various structural shapes by using the TT Corner Block.

The TT corner block is made according to the strength requirements and optimum size to use the corner block also as sleeve blocks in TT Roofs Ground-supports.

The TT corner blocks have a standard bold on receiver attachment of a length of 85mm (3,35in).



One level construction

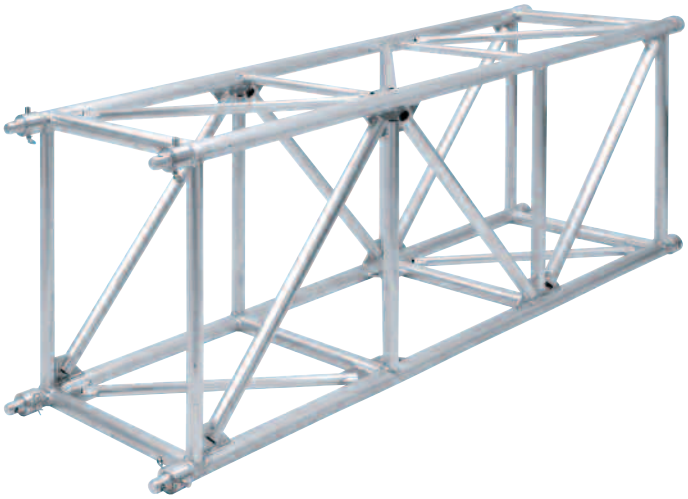


Loadcases TT

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	12	39,36	16	52,48	20	65,6	24	78,72	28	91,84	32	104,96	40	131,2
CPL	kg I lbs	4310	9482	3143	6915	2423	5331	1926	4237	1556	3423	1266	2785	829	1824
Deflection	mm I inch	29	1,16	52	2,08	82	3,28	119	4,76	164	6,56	217	8,68	351	14,04
UDL:	kg/mtr I lbs/ft	634	426	393	264	242	163	160	108	111	75	79	53	41	28
Deflection	mm I inch	31	1,24	60	2,4	91	3,64	124	4,96	160	6,4	194	7,76	248	9,92

XT Rectangular Truss

Pre Rig Truss for huge loads and long spans



- Tolerance free conical connector
- High stability aluminium alloy
- Excellent load bearing capacity
- Low dead weight
- High wear resistance
- TuV approved
- 4mm (0,16in) wall thickness of 50mm (1,97in) main tube

The ultimate Pre Rig Truss for spans up to 30m / 98,43ft

The XT Truss lends itself to use as bending resistant spans at a free span of 30m (98,43ft) with extreme load bearing capacity.

Due to its special shape and dimensions the XT Truss exhibits a great rigidity and can thus be used for long spans with high loadings. The 50x4mm (1,97x0,16in) tube reduces transportation damage and guarantees extreme durability.

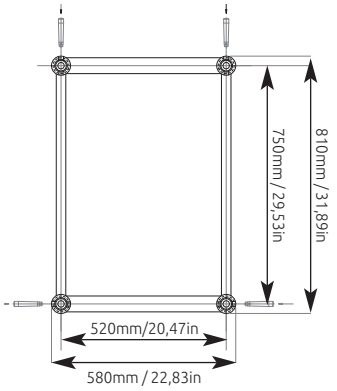
Trussing with a big profile geometry have long braces which have a risk of bending. Therefore it is necessary to use bracing with a bigger diameter. This causes other problems which needs to be considered.

The Eurotruss solution is to weld a plate at the main tube in order to get the right position of the braces and solve the high tension caused by too much heat.

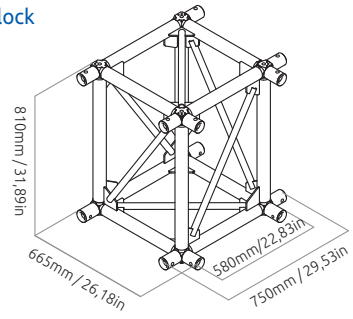
This way of constructing is not new as in large steel structures this is a common way to construct.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Dimensions XT



Dimensions TT Cornerblock



Measurements XT

Corner	Size in cm	Size in inch
Main tube:	**50x 4mm**	**1,97x0,16in**
Braces:	50 / 40 / 30x 3mm	1,97 / 1,57 / 1,18 x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS3-CON
Weight:	~20 kg/m	~13,44 lbs/ft

Measurement Corners for XT-System

Corner	Size in cm	Size in feet
2-Way BLK-XT	66,5 x 66,5	2,18 x 2,18
3-Way BLK-XT	75 x 66,5	2,46 x 2,18
4-Way BLK-XT	75 x 75	2,46 x 2,46
BLK-XT	90° in 4 dir.	90° in 4 dir.
Receiver	**Size in cm**	**Size in inch**
CS3-BOB85	85mm*	3,35in*

*4 pcs.required for one attachment

XT Rectangular Truss

XT Corner Block allows various shapes

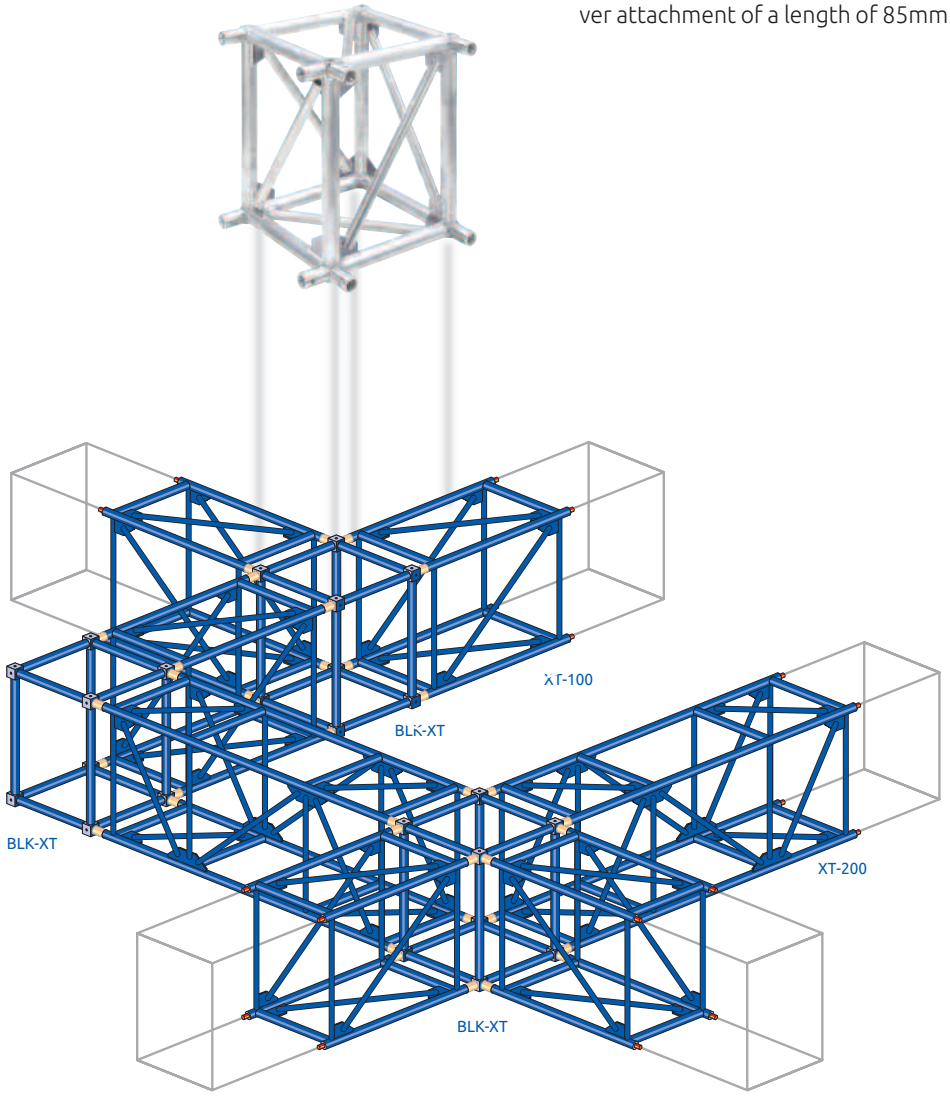
XT Construction

The XT structures on one level allows various structural shapes by using the XT Corner Block.

The XT corner block is made according to the strength requirements and optimum size to use the corner block also as sleeve blocks in XT Roofs Groundsupports.

The XT corner blocks have a standard bold on receiver attachment of a length of 85mm (3,35in).

One level construction

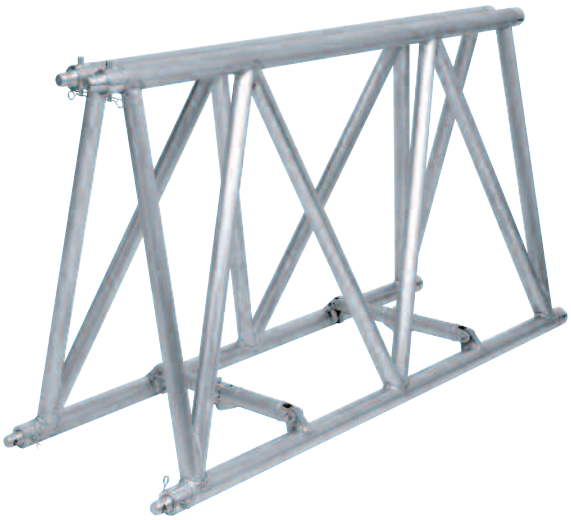


Loadcases XT

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	12	39,36	16	52,48	20	65,6	24	78,72	26	85,28	28	91,84	30	98,4
CPL	kg I lbs	2234	4915	1604	3529	1210	2662	934	2055	823	1811	725	1595	637	1401
Deflection	mm I inch	37	1,48	66	2,64	105	4,2	154	6,16	182	7,28	213	8,52	247	9,88
UDL:	kg/mtr I lbs/ft	349	235	201	135	121	81	78	52	63	42	52	35	42	28
Deflection	mm I inch	43	1,72	81	3,24	127	5,08	182	7,28	214	8,56	248	9,92	285	11,4

FT100 Folding Truss

Folding Truss with a trapezium geometric for extreme loads



- Tolerance free conical connector
- High stability aluminium alloy
- Excellent load bearing capacity
- Low dead weight
- High wear resistance
- Saving stock and trucking space
- TuV approved
- 5mm (0,2in) wall thickness of 60mm (2,36in) main tube

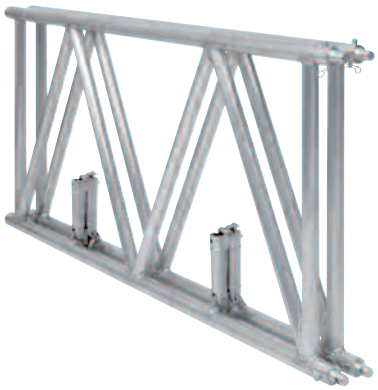
The ultimate Pre Rig Truss for spans up to 44m / 144,36ft

The FT100 Truss lends itself to use as bending resistant spans at a free span of 44m (144,36ft) with an extreme load bearing capacity of 1.232 kg (2716,09lbs) UDL.

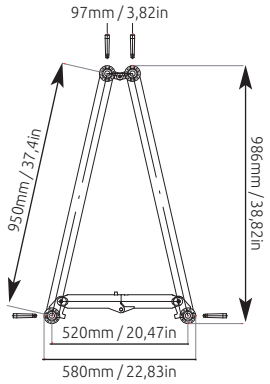
The FT100 Truss has impressive results due to its special shape and dimensions. The FT100 reduces storage and transportation space and in a folded position an FT100 has only a height of 16cm (6,3in). The 60x5mm (2,36x 0,2in) tube reduces transportation damage and guarantees extreme durability.

In the range of the FT100 Truss a clever and strong 4-way corner block is available. Also a FT100 sleeve adapter plate makes it possible to be used on standard TD50, TD44 Tower with TT Sleeve Block.

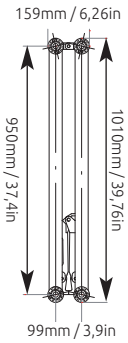
Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.



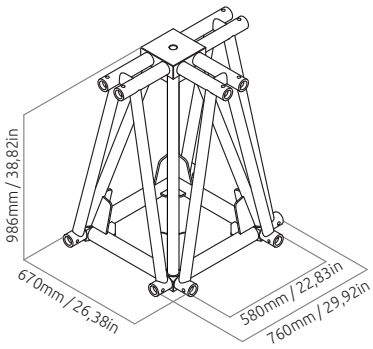
Dimensions FT100



Dimensions FT100 – Folded Position



Dimensions FT100 – Cornerblock



Measurements for FT100

Corner	Size in cm	Size in inch
Main tube:	**60x 5mm**	**2,36x 0,2in**
Braces:	50x 3mm	1,97x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS3-CON
Weight:	~22 kg/m	~14,78 lbs/ft

Measurement Corners for FT100-System

Corner	Size in cm	Size in feet
2-Way BLK-FT100	66,5 x 66,5	2,18 x 2,18
3-Way BLK-FT100	75 x 66,5	2,46 x 2,18
4-Way BLK-FT100	75 x 75	2,46 x 2,46
BLK-FT100	90° in 4 dir.	90° in 4 dir.

Attachment

BLK-A-FT100	FT100 Adapter for Cornerblock

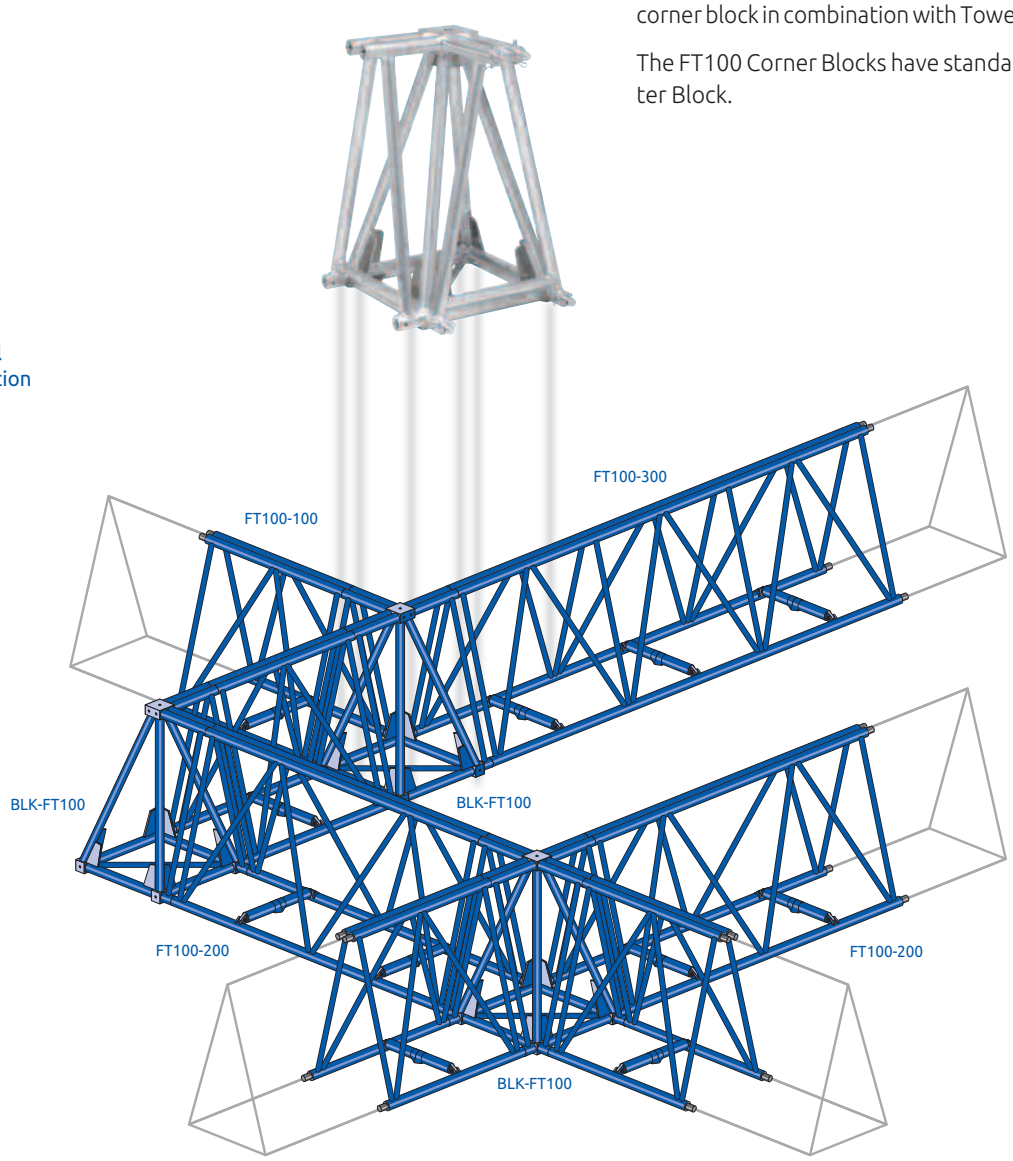
FT100 Construction

The FT100 structures on one level allow various structural shapes by using the special designed FT100 corner block.

The FT100 corner block is made according to the strength requirements and optimum size to use the corner block in combination with Tower Sleeve Blocks.

The FT100 Corner Blocks have standard FT100 Adapter Block.

One level construction

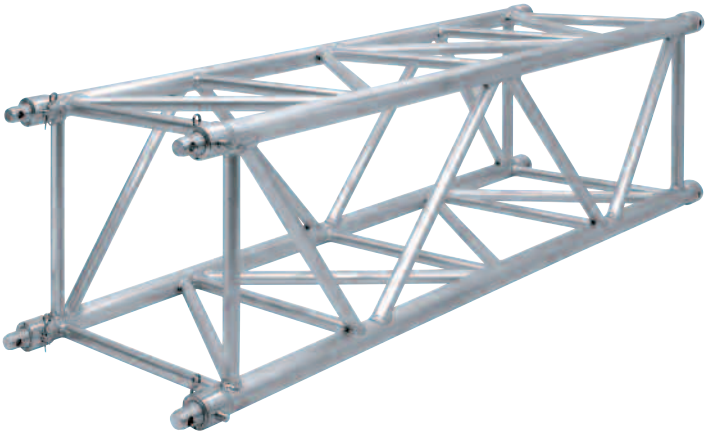


Loadcases FT100

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	12	39,36	16	52,48	20	65,6	28	91,84	32	104,96	40	131,2	44	144,32
CPL	kg I lbs	3960	8712	2890	6358	2229	4904	1435	3157	1170	2574	771	1696	613	1349
Deflection	mm I inch	28	1,12	50	2	79	3,16	159	6,36	210	8,4	338	13,52	417	16,68
UDL:	kg/mtr I lbs/ft	563	378	361	243	223	150	103	69	73	49	39	26	28	19
Deflection	mm I inch	30	1,20	62	2,48	97	3,88	190	7,6	248	9,92	387	15,48	468	18,72

ST Square Truss

Square Truss for mammoth loads



- Tolerance free connection with conical connector
- High Stability aluminium alloy
- Excellent load-bearing capacity combined with low dead weight
- 4mm (0,16in) wall thickness of 50mm (1,97in) main tube
- Optimum dimensioning of all components
- Optimum manufacturing quality
- TuV approved
- High wear resistance

Square Trussing for mammoth loads

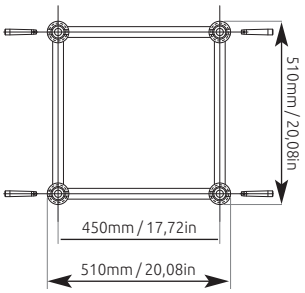
The ST System meets the demand for a truss with a high load bearing capacity that lends itself to safe outdoor use, even at a free span of up to 24m (78,74ft) at high load.

Due to the square profile geometry and the complete diagonal bracing, the ST Truss exhibits the same rigidity in vertical and horizontal directions and can thus be used as support for huge spans in Rock and Roll Productions as well as Pre Rig.

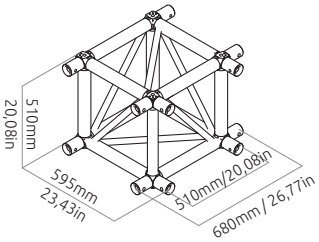
The 4mm (0,16in) wall thickness reduces transportation damage and guarantees extreme durability.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Dimensions ST



Dimensions ST Cornerblock



Measurements ST

Corner	Size in cm	Size in inch
Main tube:	**50x 4mm**	**1,97x0,16in**
Braces:	30x 3mm	1,18x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS3-CON
Weight:	~13,5 kg/m	~9,07 lbs/ft

Measurement Corners for ST-System

Corner	Size in cm	Size in feet
2-Way BLK-ST	59,5 x 59,5	1,95 x 1,95
3-Way BLK-ST	68 x 59,5	2,23 x 1,95
4-Way BLK-ST	68 x 68	2,23 x 2,23
BLK-ST	90° in 6 dir.	90° in 6 dir.
Receiver	**Size in cm**	**Size in inch**
CS3-BOB85	85mm*	3,35in*

*4 pcs.required for one attachment

ST Square Truss

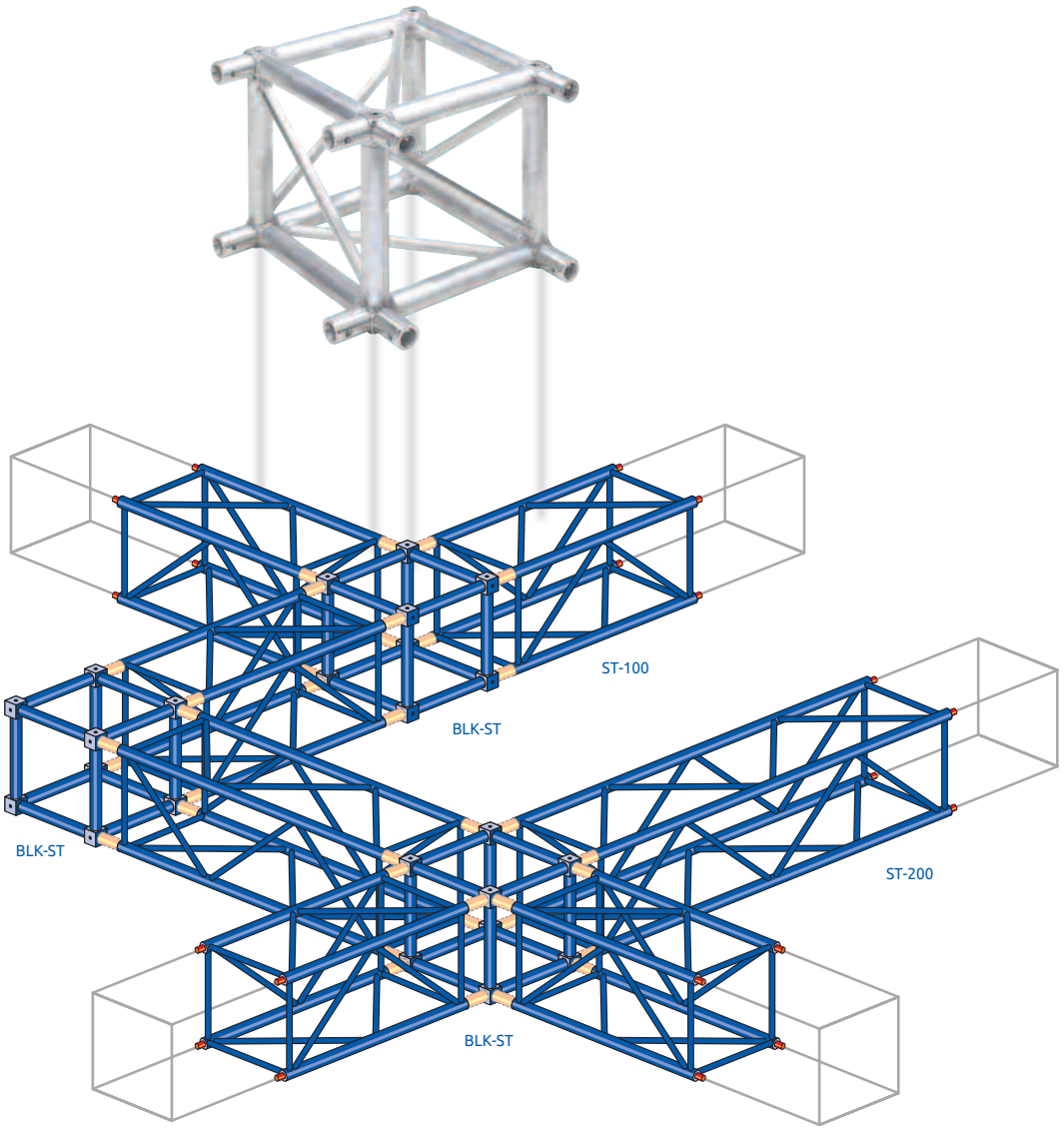
ST Corner Block allows various shapes

ST Construction

The universal corner block creates flexibility in making various shapes and structures.

The ST corner blocks have a standard bold on receiver attachment of a length of 85mm (3,35in).

One level construction

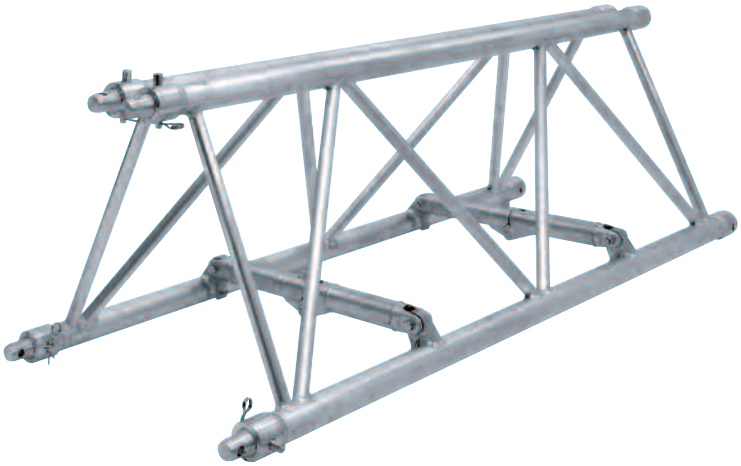


Loadcases ST

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	10	32,80	12	39,36	16	52,48	18	59,04	20	65,6	22	72,16	24	78,72
CPL	kg I lbs	1629	3584	1332	2930	951	2092	820	1804	712	1566	621	1366	543	1195
Deflection	mm I inch	43	1,72	62	2,48	111	4,44	141	5,64	175	7	214	8,56	257	10,28
UDL:	kg/mtr I lbs/ft	326	219	222	149	119	80	91	61	71	48	56	38	45	30
Deflection	mm I inch	53	2,12	76	3,04	135	5,4	171	6,84	211	8,44	255	10,2	303	12,12

FT50 Folding Truss

Folding Truss with a trapezium geometric for extreme loads



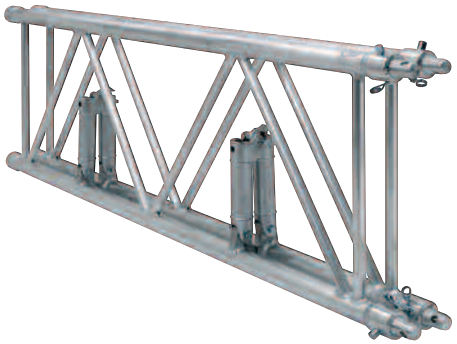
- Tolerance free conical connector
- High stability aluminium alloy
- Excellent load bearing capacity
- Low dead weight
- High wear resistance
- Saving stock and trucking space
- TuV approved
- 4mm (0,16in) wall thickness of 50mm (1,97in) main tube

Folding Truss with extreme load capacity ẃsaving space with unique fold flat capacity

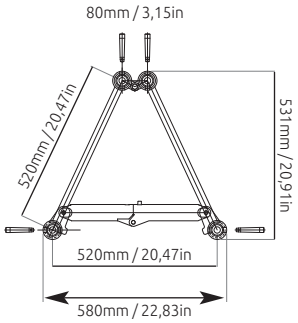
The FT50 Folding Truss is the perfect solution for touring events.

Used extensively for heavy loading and easily compatible with 40-er (2t / 4.400 lbs) Ground Support Towers. In large rig structures fixed (non-foldable) corners are available.

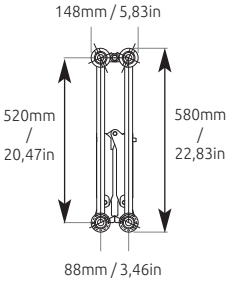
Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.



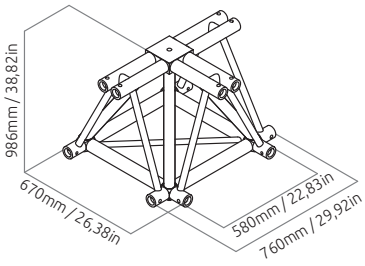
Dimensions FT50



Dimensions FT50 – Folded Position



Dimensions FT50 – Cornerblock



Measurements FT50 Truss

Corner	Size in cm	Size in inch
Main tube:	**50x 4mm**	**1,97x0,16in**
Braces:	25x 3mm	0,98x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS3-CON
Weight:	~13,5 kg/m	~9,07 lbs/ft

Measurement Corners for FT50-System

Corner	Size in cm	Size in feet
FT50-L90	78,5 x 78,5	2,58 x 2,58
FT50-T	100 x 78,5	3,28 x 2,58
FT50-X	100 x 100	3,28 x 3,28
BLK-FT50	90° in 4 dir.	90° in 4 dir.

Attachment

BLK-A-FT50 FT50 Adapter for Cornerblock

FT50 Folding Truss

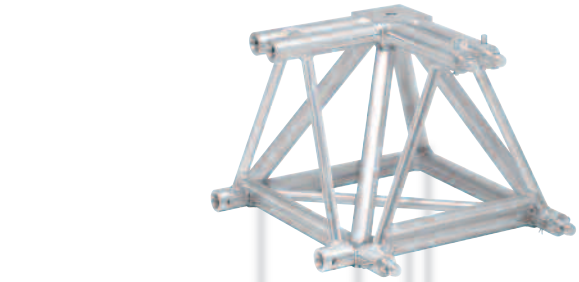
Folding Truss with a trapezium geometric for extreme loads

FT50 Construction

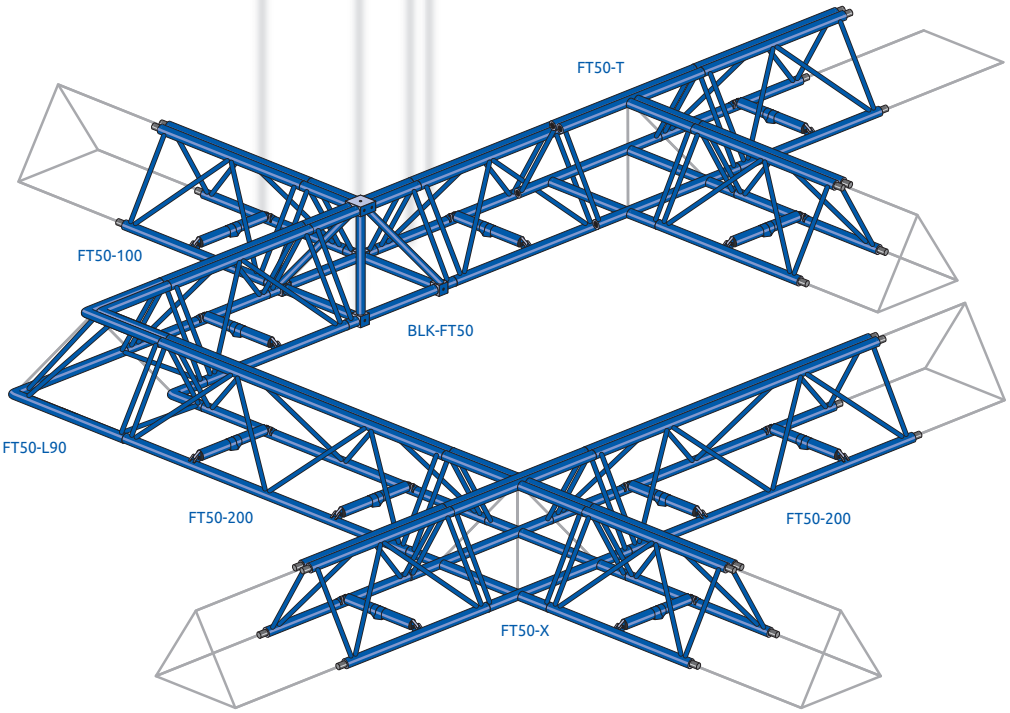
The FT50 structures on one level allow various structural shapes by using the special designed FT50 corner block as well as using standard corners and tees.

The FT50 corner block is made according to the strength requirements and optimum size to use the corner block in combination with Tower Sleeve Blocks. The FT50 Corner Blocks have standard FT50 Adapter Block.

Next to the corner block, standard fixed FT50 corners and tees are available.



One level construction

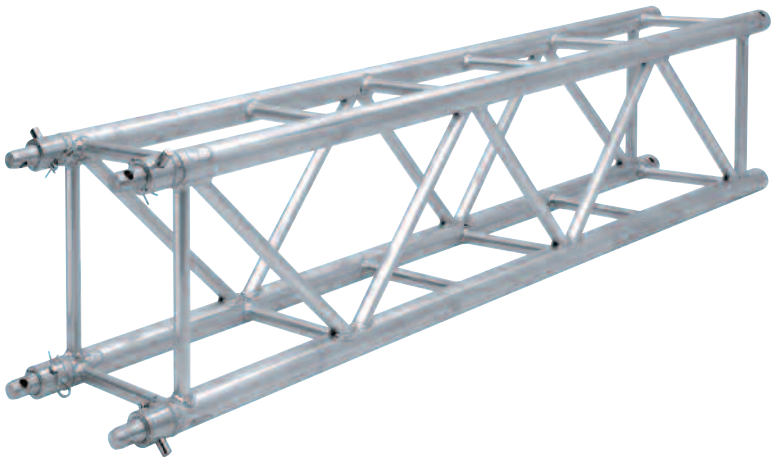


Loadcases FT50

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	8	26,24	10	32,8	12	39,36	16	52,48	18	59,04	20	65,6	24	78,72
CPL	kg I lbs	1850	4070	1450	3190	1200	2640	855	1881	735	1617	640	1408	470	1034
Deflection	mm I inch	22	0,88	35	1,4	48	1,92	86	3,44	118	4,72	137	5,48	214	8,56
UDL:	kg/mtr I lbs/ft	465	312	293	197	198	133	107	72	82	55	63	42	41	28
Deflection	mm I inch	28	1,12	44	1,76	59	2,36	113	4,52	144	5,76	176	7,04	261	10,44

XD Rectangular Truss

Rectangular truss for large loads



- Tolerance free conical connector
- High stability aluminium alloy
- Excellent load bearing capacity
- Low dead weight
- High wear resistance
- 3mm (0,12in) wall thickness of 50mm (1,97in) main tube
- Optimum dimensioning of components
- TuV approved

High load capacity at free spans up to 20m (65,62ft):

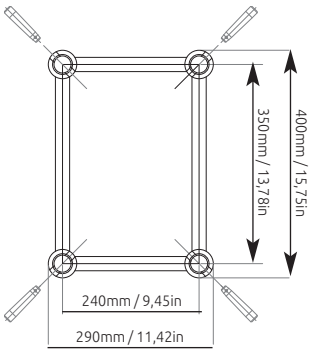
XD straight elements lend themselves to use as span exposed to bending stress resistant spans for vertical loads at a free span of up to 20m (65,62ft) at high load.

Predestined for indoor use, the XD Truss is characterized in particular by its slender shape and low packing volume.

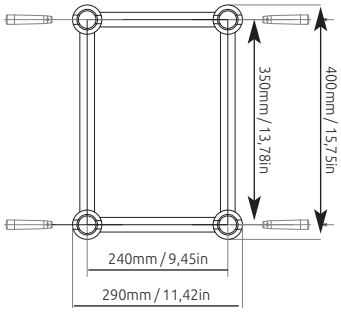
Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Note:
The XD Truss System is standard equipped with diagonal pin positions but also available is a horizontal pin position (for example XD-300H).

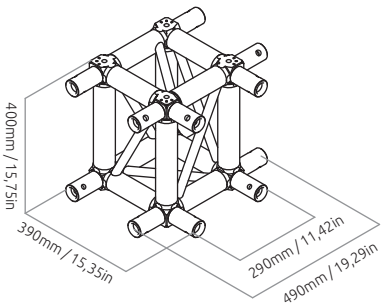
Dimensions XD – vertical pin



Dimensions XD – horizontal pin



Dimensions XD – Cornerblock



MT
TT
XT
FT100
ST
FT50
XD

Measurements XD

Corner	Size in cm	Size in inch
Main tube:	**50x 3mm**	**1,97x 0,12in**
Braces:	25x 3mm	0,98x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS2-CON	CS2-CON
Weight:	~9 kg/m	~6,05 lbs/ft

Measurement Corners for XD-System

Corner	Size in cm	Size in feet
XD-XD**	71 x 71 x 50	2,33 x 2,33 x 1,64
BLK-XD*	90° in 4 dir.	90° in 4 dir.
	+ 2 dir. HD/FD34	+ 2 dir. HD/FD34
Receiver		
CS2-BOB95	95mm***	3,74in***

*4 pcs.required for one attachment

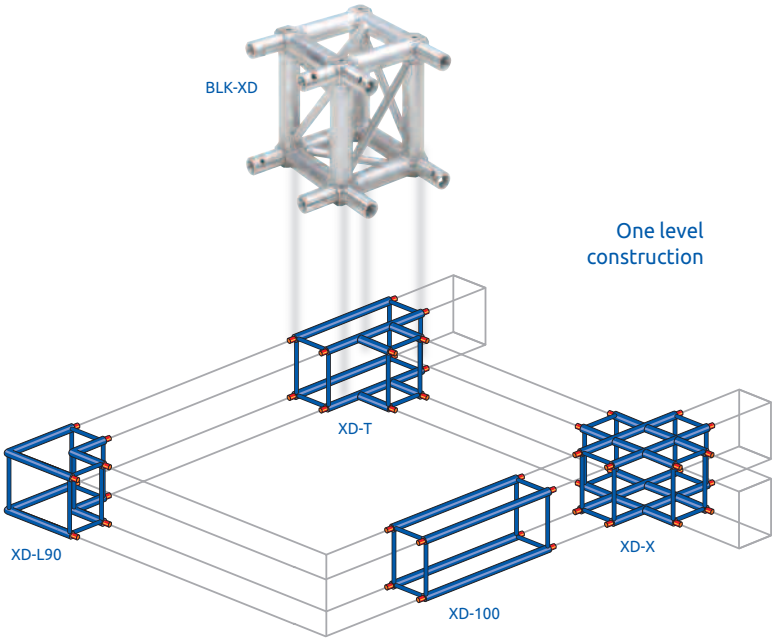
XD Rectangular Truss

XD Corners allows shapes in two dimensions

XD Construction

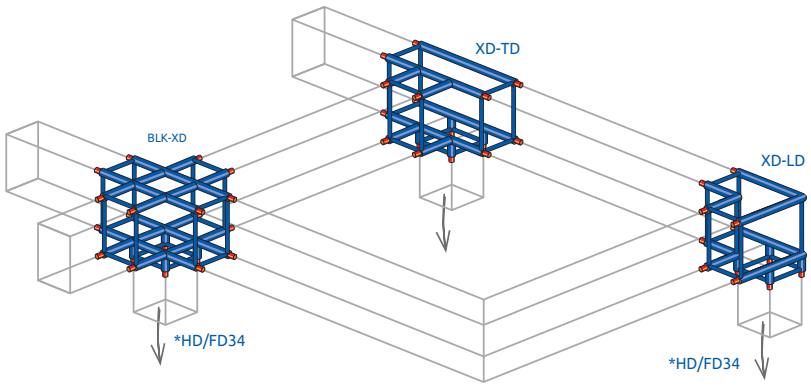
The XD structures on one level allow various structural shapes by using corners and tees as well as using corner blocks (not in combination with standard corners).

All the transitions down are predestined on HD34 / FD34 to create structures on two levels.



One level construction

Two level construction



Measurement Corners for XD-System**

Cornercode	Size in cm	Size in feet
XD-L90**	50 x 50	1,64 x 1,64
XD-T**	71 x 50	2,33 x 1,64
XD-T1**	71 x 42	2,33 x 1,38
XD-X**	71 x 71	2,33 x 2,33
XD-LD**	50 x 50 x 50	1,64 x 1,64 x 1,64
XD-TD**	71 x 50 x 50	2,33 x 1,64 x 1,64

* D = down attachment HD/FD34
** H = horizontal pin / D=diagonal pin

Loadcases XD

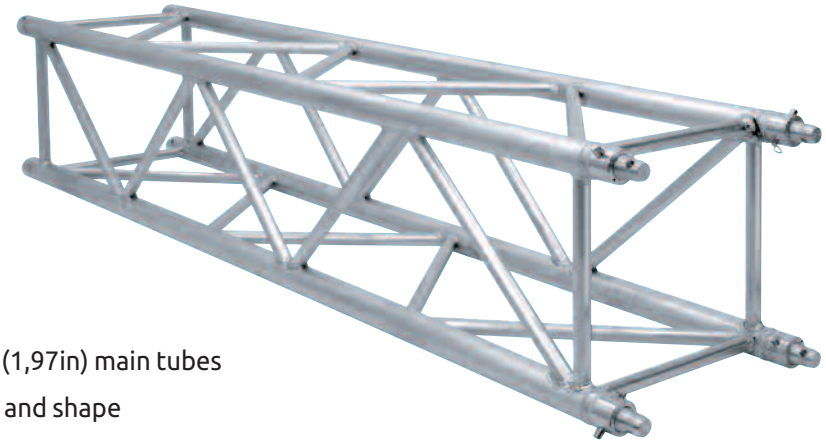
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48	18	59,04	20	65,6
CPL	kg I lbs	1339	2946	1055	2321	862	1896	722	1588	615	1353	529	1164	459	1010
Deflection	mm I inch	38	1,52	59	2,36	86	3,44	117	4,68	154	6,16	197	7,88	245	9,8
UDL:	kg/mtr I lbs/ft	335	225	211	142	144	97	103	69	77	52	59	40	46	31
Deflection	mm I inch	47	1,88	73	2,92	106	4,24	144	5,76	188	7,52	238	9,52	244	9,76

HD44 / FD44 Square Truss

Square Trussing with a square profile geometry for heavy loads

HD44 Truss

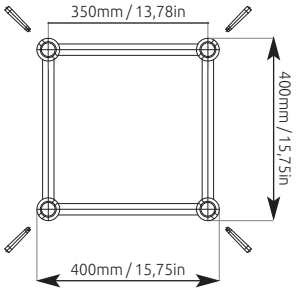
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD44 (up to 50%)
- Also available as TD44 Tower Truss (one side horizontal brace)
- TuV approved



FD44 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Also available in any non-standard length and shape
- TuV approved

Dimensions HD44 / FD44



Square Truss for Heavy loads

HD44 / FD44 with excellent load capacity on free spans of 18m / 16m (59,06 / 52,49ft) or to be used as tower elements:

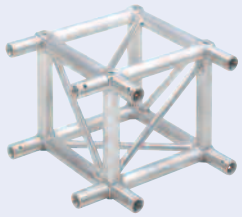
HD44/FD44 straight elements lend themselves to use as span exposed to bending stress resistant span up to 18m (59,06ft) or as standard tower element. HD44 using the 3mm (0,12in) wall thickness assures durability and extra strength. Designed for high frequency usage or installations, which demand higher loading. Ideal trussing system for rental, touring and exhibition companies.

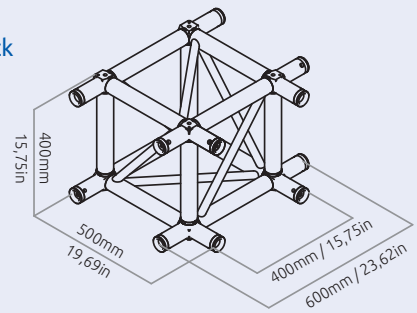
Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements
HD44 (FD44) Truss

HD44 (FD44)	Size in cm	Size in inch
Main tube:	50x 3 (2)mm	1,97x 0,12 (0,08)in
Braces:	25x 2mm	0,98x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~9,5 (~7,5)kg/m	~6,4 (~5,0) lbs/ft

Dimensions
HD44 / FD44 Cornerblock





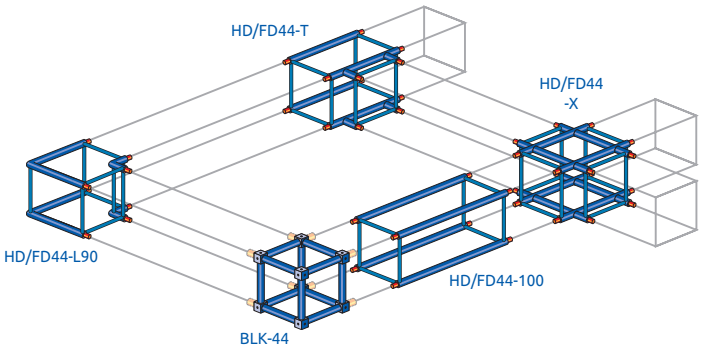
Loadcases HD44

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	5	16,40	6	19,68	8	26,24	10	32,8	12	39,36	16	52,48	18	59,04
CPL	kg I lbs	1750	3850	1447	3183	1068	2350	837	1841	680	1496	476	1047	405	891
Deflection	mm I inch	12	0,48	17	0,68	30	1,2	48	1,92	69	2,76	125	5	160	6,4
UDL:	kg/mtr I lbs/ft	599	403	482	324	267	179	167	112	113	76	59	40	45	30
Deflection	mm I inch	13	0,52	21	0,84	36	1,44	56	2,24	78	3,12	130	5,2	157	6,28

HD44 / FD44 Square Truss

Universal Corner Block for various shapes

One level construction



HD44 / FD44 Construction

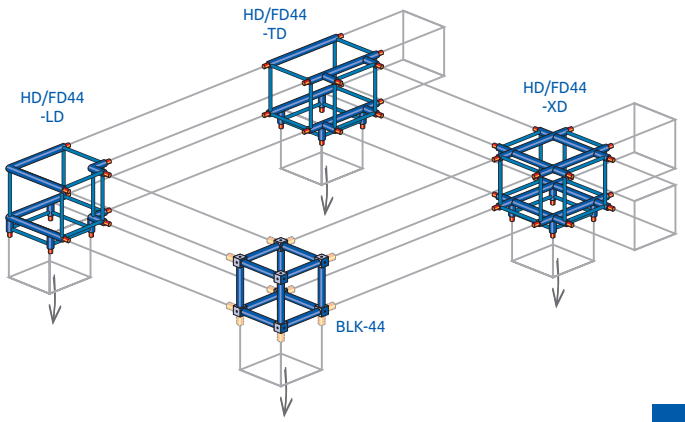
These elements allow constructions in up to two levels, thus permitting almost limitless possibilities for the realization of creative ideas.

To avoid various corner problems or increasing strength in the corner parts, the universal corner block with bold on receivers of 100mm (3,94in) is the answer.

Measurement Corners for HD44 / FD44

Cornercode	Size in cm	Size in feet
HD/FD44-L45	150 x 150	4,92 x 4,92
HD/FD44-L60	100 x 100	3,28 x 3,28
HD/FD44-L90	50 x 50	1,64 x 1,64
HD/FD44-L120	50 x 50	1,64 x 1,64
HD/FD44-L135	50 x 50	1,64 x 1,64
HD/FD44-T	60 x 50	1,97 x 1,64
HD/FD44-X	60 x 60	1,97 x 1,97
HD/FD44-LD	50 x 50	1,64 x 1,64
HD/FD44-TD	60 x 50 x 50	1,97 x 1,64 x 1,64
HD/FD44-XD	60 x 60 x 50	1,97 x 1,97 x 1,64
HD/FD44-XUD	60 x 60 x 60	1,97 x 1,97 x 1,97
BLK-44	90° in 6 dir.	
CS1-BOB100	100mm*	3,94in*
SC-4X	0-180°, Swivelcorner	
SB-4X	0-180°, Swivelbase	
BC-4X	0-180°, Bookcorner	

Two level construction



Loadcases FD44

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	5	16,40	6	19,68	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48
CPL	kg I lbs	1190	2618	990	2178	730	1606	570	1254	470	1034	390	858	330	726
Deflection	mm I inch	12	0,48	17	0,68	31	1,24	49	1,96	72	2,88	99	3,96	132	5,28
UDL:	kg/mtr I lbs/ft	470	316	330	222	183	123	115	77	78	52	56	38	42	28
Deflection	mm I inch	15	0,60	21	0,84	38	1,52	60	2,4	87	3,48	120	4,8	161	6,44

*4 pcs.required for one attachment

HD43 / FD43 Triangle Truss

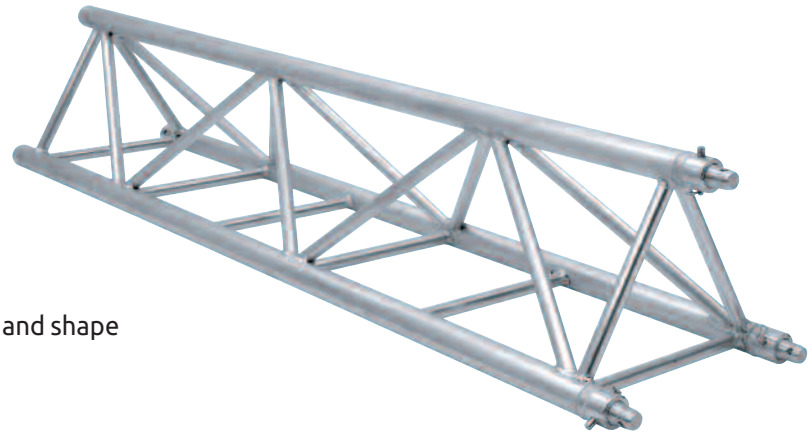
Triangular Truss with equilateral profile geometry for heavy loads

HD43 Truss

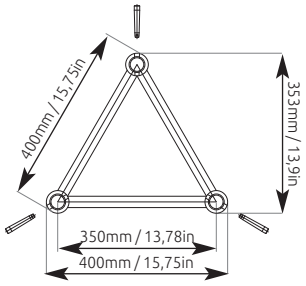
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD43 (up to 50%)

FD43 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Also available in any non-standard length and shape
- TuV approved



Dimensions HD43 / FD43



Triangular Truss for Heavy loads

HD43 / FD43 with excellent load capacity on free spans of 16m (52,49ft).

HD43 / FD43 straight elements lend themselves to use as span exposed to bending stress resistant span up to 16m (52,49ft).

HD43 using the 3mm (0,12in) wall thickness assures durability and extra strength.

Designed for high frequency usage or installations, that demand higher loading. Combined with HD44 / FD44, they possess a broad range of applications.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements
HD43 (FD43)

Corner	Size in cm	Size in inch
Main tube:	50x 3 (2)mm	1,97x 0,12 (0,08)in
Braces:	25x 2mm	0,98x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~5,9 (~5,1) kg/m	~4,0 (~3,4) lbs/ft

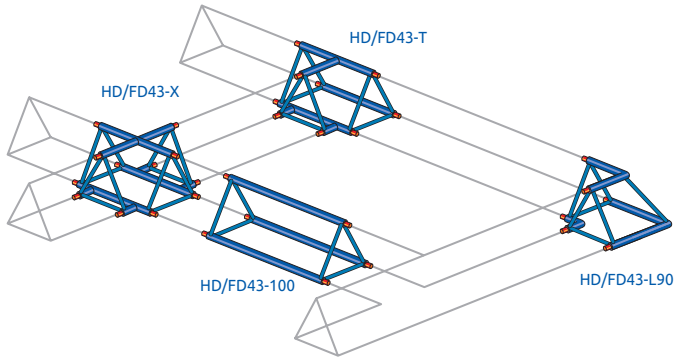
Loadcases HD43

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	5	16,40	6	19,68	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48
CPL	kg I lbs	774	1703	639	1406	469	1032	364	801	292	642	240	528	198	436
Deflection	mm I inch	11	0,44	15	0,6	27	1,08	43	1,72	62	2,48	85	3,4	112	4,48
UDL:	kg/mtr I lbs/ft	309	208	213	143	117	79	73	49	49	33	34	23	25	17
Deflection	mm I inch	13	0,52	19	0,76	34	1,36	52	2,08	75	3	103	4,12	134	5,36

HD43 / FD43 Triangle Truss

Triangular Truss with equilateral profile geometry for heavy loads

One level construction



HD43 / FD43 Construction

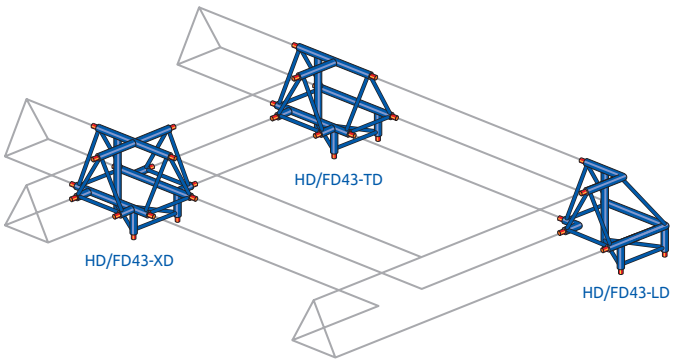
The HD43 / FD43 series allow a wide variety of structural shapes in two levels by using corners, cross-pieces and tees (all available with down attachments)

Optically and statically adapted to fit the straight elements.

Measurement Corners for HD43 / FD43

Cornercode	Size in cm	Size in feet
HD/FD43-L45	150 x 150	4,92 x 4,92
HD/FD43-L60	100 x 100	3,28 x 3,28
HD/FD43-L90	50 x 50	1,64 x 1,64
HD/FD43-L120	50 x 50	1,64 x 1,64
HD/FD43-L135	50 x 50	1,64 x 1,64
HD/FD43-T	60 x 50	1,97 x 1,64
HD/FD43-X	60 x 60	1,97 x 1,97
HD/FD43-LD L/R	50 x 50	1,64 x 1,64
HD/FD43-060D	60 x 50	1,97 x 1,64
HD/FD43-TD	60 x 50 x 50	1,97 x 1,64 x 1,64
HD/FD43-XD	60 x 60 x 50	1,97 x 1,97 x 1,64
SC-4X	0-180°, Swivelcorner	
SB-4X	0-180°, Swivelbase	
BC-4X	0-180°, Bookcorner	

Two level construction



Loadcases FD43

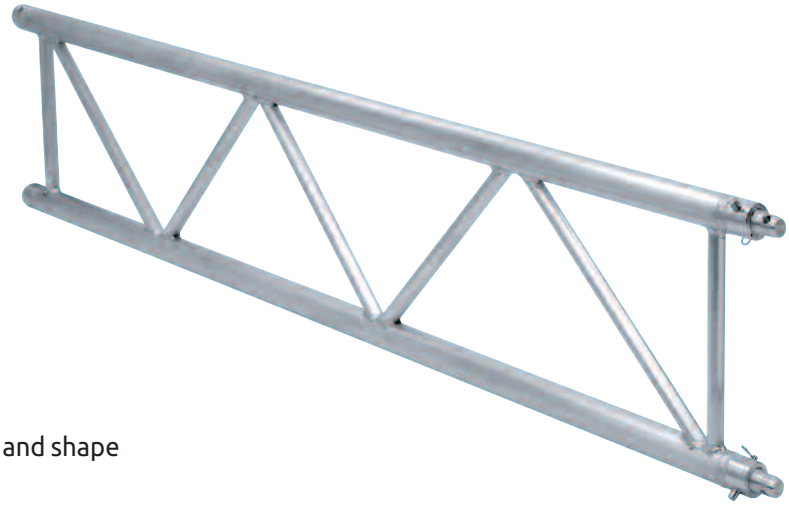
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	5	16,40	6	19,68	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48
CPL	kg I lbs	500	1100	410	902	300	660	230	506	185	407	150	330	129	284
Deflection	mm I inch	10	0,40	15	0,6	26	1,04	41	1,64	61	2,44	84	3,36	111	4,44
UDL:	kg/mtr I lbs/ft	200	134	135	91	75	50	45	30	30	20	20	13	16	11
Deflection	mm I inch	13	0,52	18	0,72	32	1,28	49	1,96	72	2,88	94	3,76	135	5,4

HD42 / FD42 Ladder Truss

Ladder truss for medium loads

HD42 Truss

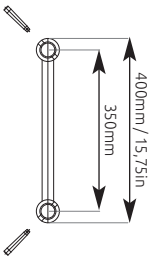
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD42 (up to 50%)
- Compatible with HD44



FD42 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Compatible with FD44
- Also available in any non- standard length and shape
- TuV approved

Dimensions HD42 / FD42



Ladder truss for vertical rigs

HD42 / FD42 guarantees optimum load bearing capacity up to spans of 8m (26,25ft).

HD42 / FD42 straight elements lend themselves to use as span exposed to bending stress, cantilevered up to 4m (13,12ft) or supported up to 8m (26,25ft).

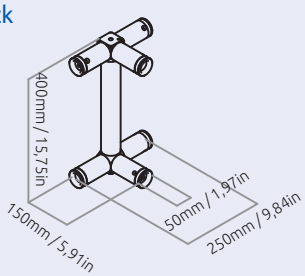
Combined with HD44 / FD44 they possess a broad range of applications. The HD42 / FD42 is suitable for hanging rigs vertically.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements HD42 (FD42)

Corner	Size in cm	Size in inch
Main tube:	50x 3 (2)mm	1,97x 0,12 (0,08)in
Braces:	25x 2mm	0,98x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~4,5 (~3,5)kg/m	~3,0 (~2,4) lbs/ft

Dimensions
HD42 / FD42 Cornerblock



Loadcases HD42

		unsupported:						...every 1,1m supported:					
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	2	6,56	3	9,84	4	13,12	4	13,12	5	16,4	6	19,68
CPL	kg I lbs	523	1151	151	332	60	132	772	1698	614	1351	510	1122
Deflection	mm I inch	1	0,04	1	0,04	1	0,04	7	0,28	13	0,52	18	0,72
UDL:	kg/mtr I lbs/ft	523	351	101	68	30	20	368	247	246	165	170	114
Deflection	mm I inch	1	0,04	1	0,04	1	0,04	9	0,36	15	0,6	22	0,88

HD42 / FD42 Ladder truss

Ladder truss for medium loads

HD42 / FD42 Construction

The HD42 / FD42 series allow a wide variety of structural shapes in one level by using corners, cross-pieces and tees.

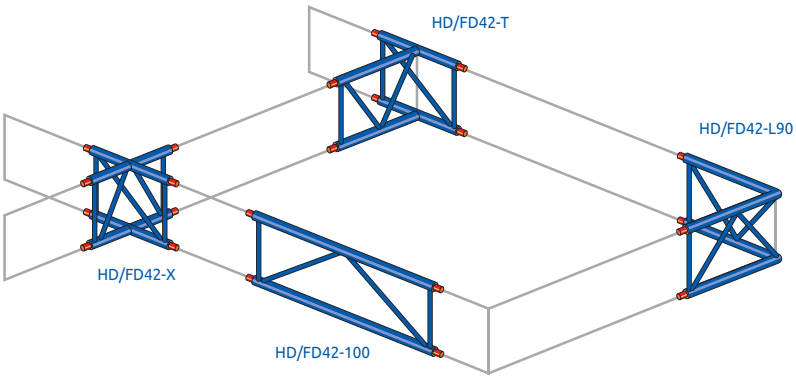
Optically and statically adapted to fit the straight elements.

Other than HD32 / FD32 System the HD42 / FD42-System is only suitable for using vertically.

Measurement Corners for HD42 / FD42

Cornercode	Size in cm	Size in feet
HD/FD42-L45/V	50 x 50 – vertic.	1,64 x 1,64 vertic.
HD/FD42-L60/V	50 x 50 – vertic.	1,64 x 1,64 vertic.
HD/FD42-L90/V	50 x 50 –vertic.	1,64 x 1,64 vertic.
HD/FD42-L120/V	50 x 50 – vertic.	1,64 x 1,64 vertic.
HD/FD42-L135/V	50 x 50 – vertic.	1,64 x 1,64 vertic.
HD/FD42-T/V	50 x 50 – vertic.	1,64 x 1,64 vertic.
HD/FD42-X/V	50 x 50 – vertic.	1,64 x 1,64 vertic.
BLK-42	90° in 4 dir.*	
CS1-BOB105	105mm*	4,13in*

Vertical construction on one level



Loadcases FD42

		unsupported:							…every 1,1m supported:					
Unit		EU	US	EU	US	EU	US		EU	US	EU	US	EU	US
Length	m I ft	2	6,56	3	9,84	4	13,12		4	13,12	5	16,4	6	19,68
CPL	kg I lbs	498	1096	144	317	57	125		735	1617	585	1287	486	1069
Deflection	mm I inch	1	0,04	1	0,04	1	0,04		7	0,28	12	0,48	17	0,68
UDL:	kg/mtr I lbs/ft	498	335	96	65	29	19		368	247	234	157	162	109
Deflection	mm I inch	1	0,04	1	0,04	1	0,04		9	0,36	14	0,56	21	0,84

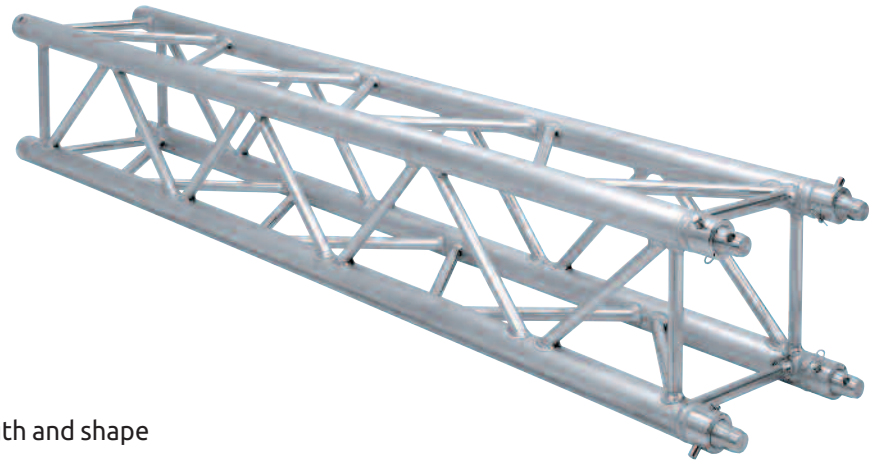
*2 pcs.required for one attachment

HD34 / FD34 Square Truss

Square Trussing with a square profile geometry for larger loads.

HD34 Truss

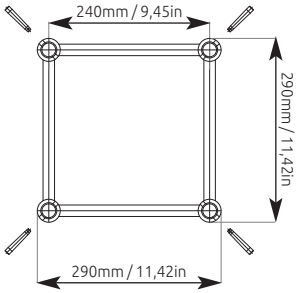
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD34 (up to 50%)
- Also usable as HD34 Tower Truss
- TuV approved



FD34 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Also available in any non-standard length and shape
- TuV approved

Dimensions HD34 / FD34



Square Trussing for Heavy loads

HD34 / FD34 with excellent load capacity on free spans of 18m / 16m (59,06 / 52,49ft) or to be used as tower elements:

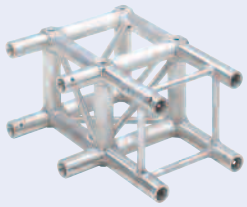
HD34 / FD34 straight elements lend themselves to use as span exposed to bending stress resistant span up to 18m / 16m (59,06 / 52,49ft) or as standard tower element. HD34 using the 3mm (0,12in) wall thickness assures durability and extra strength.
Designed for high frequency usage or installations, which demands higher loading.

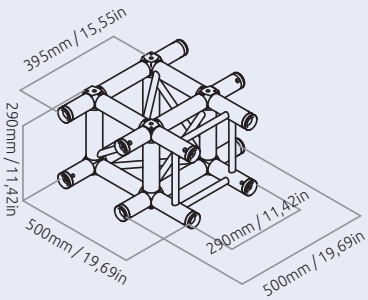
Ideal trussing system for rental, touring and exhibition companies. Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements HD34 (FD34)

Corner	Size in cm	Size in inch
Main tube:	50x 3 (2)mm	1,97x 0,12 (0,08)in
Braces:	20x 2mm	0,79x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~7,5 (~6) kg/m	~5,0 (~4,0) lbs/ft

Dimensions HD34 / FD34 Cornerblock





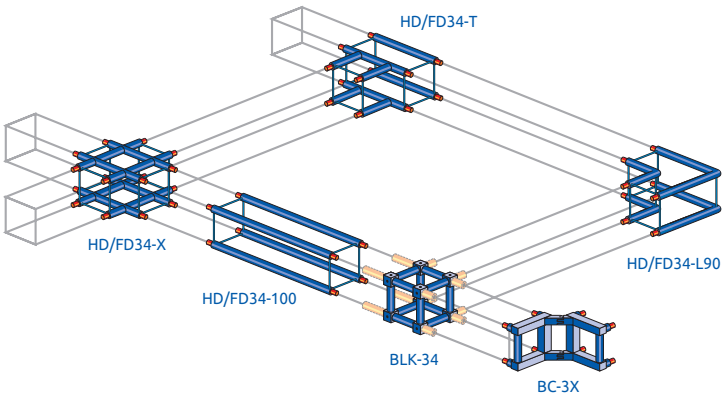
Loadcases HD34

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	5	16,40	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48	18	59,04
CPL	kg I lbs	1195	2629	730	1606	571	1256	463	1019	384	845	322	708	273	601
Deflection	mm I inch	17	0,68	44	1,76	69	2,76	100	4	137	5,48	181	7,24	231	9,24
UDL:	kg/mtr I lbs/ft	465	312	183	123	114	77	77	52	55	37	40	27	30	20
Deflection	mm I inch	21	0,84	52	2,08	80	3,2	112	4,48	148	5,92	185	7,4	223	8,92

HD34 / FD34 Square Truss

Example of a one level and a two level construction

One level construction



HD34 / FD34 Construction

These elements allow constructions in up to three levels, thus permitting almost limitless possibilities for the realization of creative ideas.

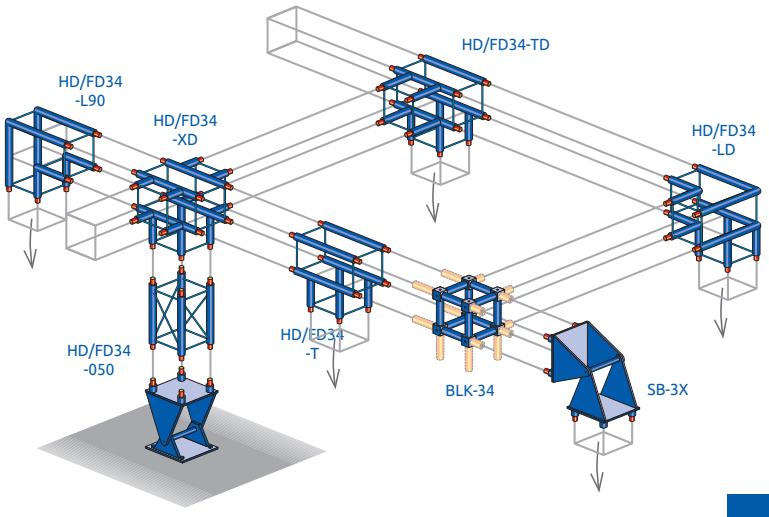
To avoid various corner problems or increasing strength in the corner parts, the universal corner-block with bold on receivers in various lengths is the answer.

In the cornerblock as well as in the bold on receivers a small hole is drilled to match a spring pin so the position is determined. Easy to connect, safe and fully locked.

Measurement Corners for HD34 / FD34

Cornercode	Size in cm	Size in feet
HD/FD34-L45	100 x 100	3,28 x 3,28
HD/FD34-L60	100 x 100	3,28 x 3,28
HD/FD34-L90	50 x 50	1,64 x 1,64
HD/FD34-L120	50 x 50	1,64 x 1,64
HD/FD34-L135	50 x 50	1,64 x 1,64
HD/FD34-T	50 x 50	1,64 x 1,64
HD/FD34-X	50 x 50	1,64 x 1,64
HD/FD34-LD	50 x 50	1,64 x 1,64
HD/FD34-TD	50 x 50	1,64 x 1,64
HD/FD34-XD	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD34-XUD	50 x 50 x 50	1,64 x 1,64 x 1,64
BLK-34	90° in 6 dir.	
CS1-BOB105	105mm*	4,13in*
CS1-A210	210mm*	8,27in*
SC-3X	0-180°, Swivelcorner	
SB-3X	0-180°, Swivelbase	
BC-3X	0-180°, Bookcorner	

Two level construction



Loadcases FD34

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	4	13,12	6	19,68	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48
CPL	kg I lbs	950	2090	670	1474	497	1093	385	847	331	728	260	572	249	548
Deflection	mm I inch	10	0,40	25	1	44	1,76	70	2,8	105	4,2	141	5,64	202	8,08
UDL:	kg/mtr I lbs/ft	460	309	224	151	124	83	80	54	55	37	36	24	31	21
Deflection	mm I inch	12	0,48	31	1,24	54	2,16	88	3,52	128	5,12	166	6,64	243	9,72

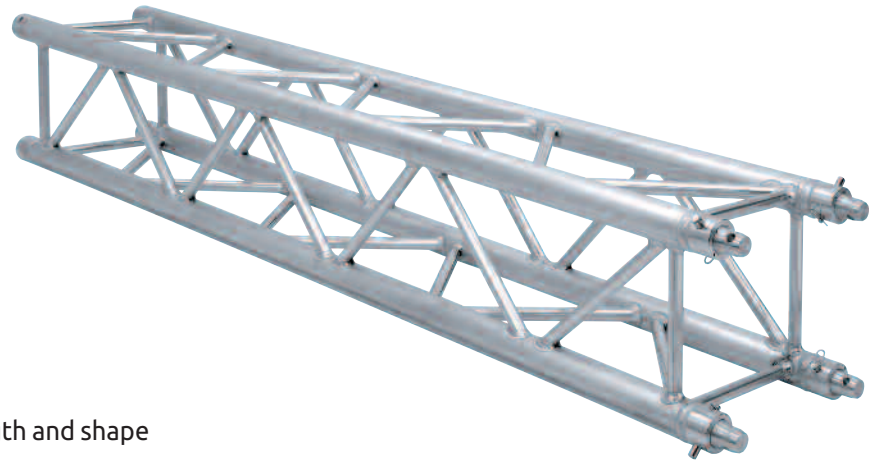
*4 pcs.required for one attachment

HD34 / FD34 Square Truss

Square Trussing with a square profile geometry for larger loads.

HD34 Truss

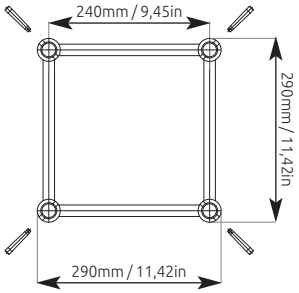
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD34 (up to 50%)
- Also usable as HD34 Tower Truss
- TuV approved



FD34 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Also available in any non-standard length and shape
- TuV approved

Dimensions HD34 / FD34



Square Trussing for Heavy loads

HD34 / FD34 with excellent load capacity on free spans of 18m / 16m (59,06 / 52,49ft) or to be used as tower elements:

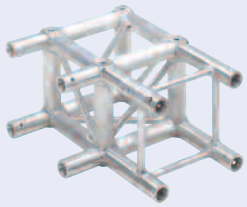
HD34 / FD34 straight elements lend themselves to use as span exposed to bending stress resistant span up to 18m / 16m (59,06 / 52,49ft) or as standard tower element. HD34 using the 3mm (0,12in) wall thickness assures durability and extra strength.
Designed for high frequency usage or installations, which demands higher loading.

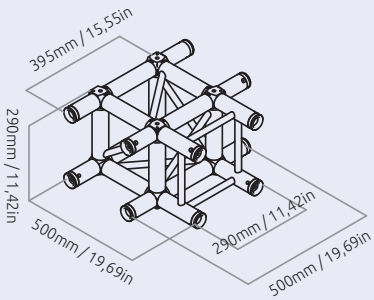
Ideal trussing system for rental, touring and exhibition companies. Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements HD34 (FD34)

Corner	Size in cm	Size in inch
Main tube:	50x 3 (2)mm	1,97x 0,12 (0,08)in
Braces:	20x 2mm	0,79x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~7,5 (~6) kg/m	~5,0 (~4,0) lbs/ft

Dimensions HD34 / FD34 Cornerblock





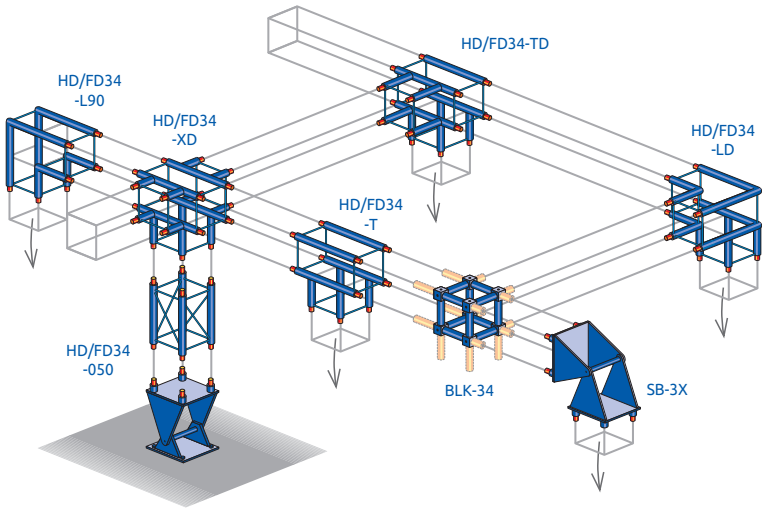
Loadcases HD34

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	5	16,40	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48	18	59,04
CPL	kg I lbs	1195	2629	730	1606	571	1256	463	1019	384	845	322	708	273	601
Deflection	mm I inch	17	0,68	44	1,76	69	2,76	100	4	137	5,48	181	7,24	231	9,24
UDL:	kg/mtr I lbs/ft	465	312	183	123	114	77	77	52	55	37	40	27	30	20
Deflection	mm I inch	21	0,84	52	2,08	80	3,2	112	4,48	148	5,92	185	7,4	223	8,92

HD34 / FD34 Square Truss

Example of a two level and a three level construction

Two level construction



HD34 / FD34 Construction

These elements allow constructions in up to three levels, thus permitting almost limitless possibilities for the realization of creative ideas.

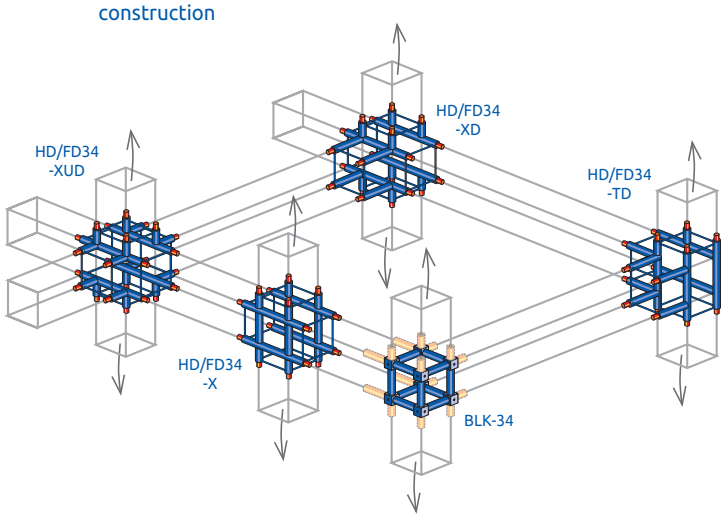
To avoid various corner problems or increasing strength in the corner parts, the universal corner-block with bold on receivers in various lengths is the answer.

In the cornerblock as well as in the bold on receivers a small hole is drilled to match a spring pin so the position is determined. Easy to connect, safe and fully locked.

Measurement Corners for HD34 / FD34

Cornercode	Size in cm	Size in feet
HD/FD34-L45	100 x 100	3,28 x 3,28
HD/FD34-L60	100 x 100	3,28 x 3,28
HD/FD34-L90	50 x 50	1,64 x 1,64
HD/FD34-L120	50 x 50	1,64 x 1,64
HD/FD34-L135	50 x 50	1,64 x 1,64
HD/FD34-T	50 x 50	1,64 x 1,64
HD/FD34-X	50 x 50	1,64 x 1,64
HD/FD34-LD	50 x 50	1,64 x 1,64
HD/FD34-TD	50 x 50	1,64 x 1,64
HD/FD34-XD	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD34-XUD	50 x 50 x 50	1,64 x 1,64 x 1,64
BLK-34	90° in 6 dir.	
CS1-BOB105	105mm*	4,13in*
CS1-A210	210mm*	8,27in*
SC-3X	0-180°, Swivelcorner	
SB-3X	0-180°, Swivelbase	
BC-3X	0-180°, Bookcorner	

Three level construction



Loadcases FD34

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	4	13,12	6	19,68	8	26,24	10	32,8	12	39,36	14	45,92	16	52,48
CPL	kg I lbs	950	2090	670	1474	497	1093	385	847	331	728	260	572	249	548
Deflection	mm I inch	10	0,40	25	1	44	1,76	70	2,8	105	4,2	141	5,64	202	8,08
UDL:	kg/mtr I lbs/ft	460	309	224	151	124	83	80	54	55	37	36	24	31	21
Deflection	mm I inch	12	0,48	31	1,24	54	2,16	88	3,52	128	5,12	166	6,64	243	9,72

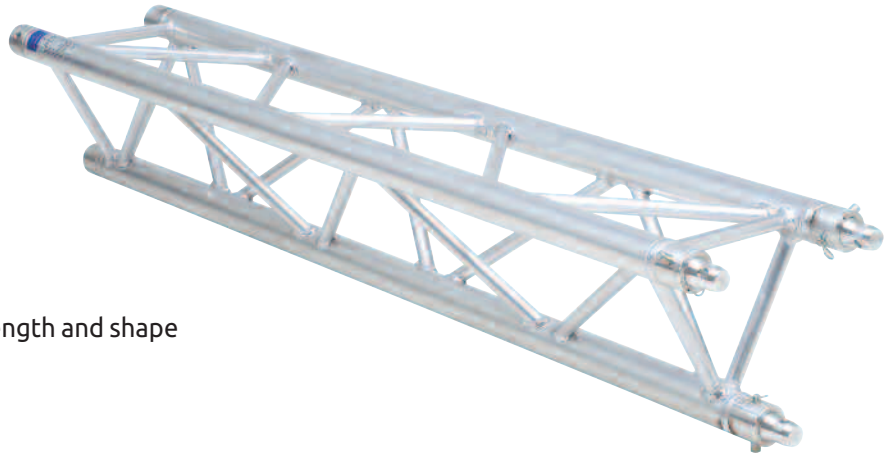
*4 pcs.required for one attachment

HD33 / FD33 Triangle Truss – two tubes up

Triangular Truss with equilateral profile geometry for larger loads.

HD33 Truss

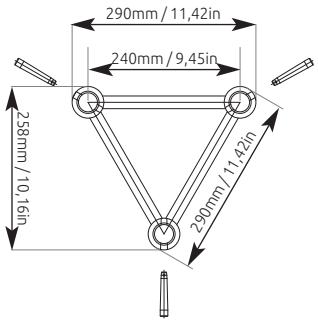
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD33 (up to 50%)



FD33 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Also available in any non-standard length and shape
- TuV approved

Dimensions HD33 / FD33



Triangle Truss – two tubes up – for Heavy loads

HD33 / FD33 with excellent load capacity on free spans of 12m (39,37ft).

HD33 / FD33 straight elements lend themselves to use as span exposed to bending stress resistant span up to 12m (39,37ft). HD33 using the 3mm (0,12in) wall thickness assures durability and extra strength.

Designed for high frequency usage or installations, which demands higher loading. Combined with HD34 / FD34, they posses a broad range of applications.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements HD33 (FD33)

Corner	Size in cm	Size in inch
Main tube:	50x 3 (2) mm	1,97x 0,12 (0,08)in
Braces:	20x 2mm	0,79x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~5,5 (~4,5)kg/m	~3,7 (~3,0) lbs/ft

Loadcases HD33

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	6	19,68	7	22,96	8	26,24	9	29,52	10	32,8	11	36,08	12	39,36
CPL	kg I lbs	434	955	367	807	315	693	275	605	242	532	215	473	192	422
Deflection	mm I inch	22	0,88	30	1,2	39	1,56	50	2	62	2,48	75	3	90	3,6
UDL:	kg/mtr I lbs/ft	145	97	105	71	79	53	61	41	48	32	39	26	32	22
Deflection	mm I inch	27	1,08	37	1,48	48	1,92	61	2,44	75	3	91	3,64	108	4,32

HD33 / FD33 Triangle Truss – two tubes up

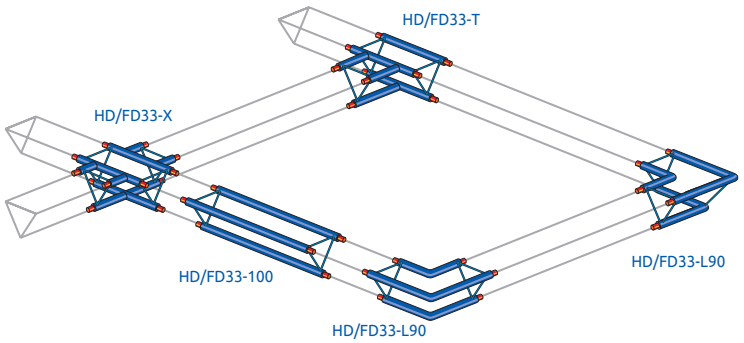
Triangular Truss with equilateral profile geometry for larger loads.

HD33 / FD33 Construction

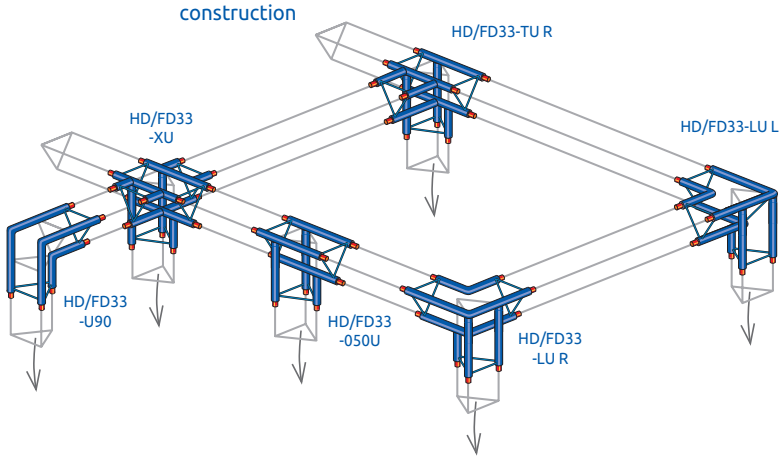
The HD33 / FD33 series allow a wide variety of structural shapes in up to three levels by using corners, cross-pieces and tees (all available with down and up attachments)

Permitting almost limitless possibilities for the realization of creative ideas. Optically and statically adapted to fit the straight elements.

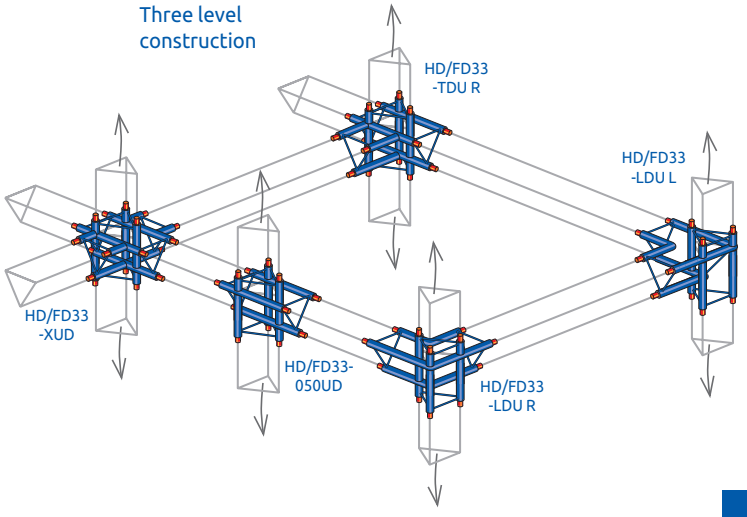
One level construction



Two level construction



Three level construction



Measurement Corners for HD33 / FD33

Cornercode	Size in cm	Size in feet
HD/FD33-L45	100 x 100	3,28 x 3,28
HD/FD33-L60	100 x 100	3,28 x 3,28
HD/FD33-L90	50 x 50	1,64 x 1,64
HD/FD33-L120	50 x 50	1,64 x 1,64
HD/FD33-L135	50 x 50	1,64 x 1,64
HD/FD33-T	50 x 50	1,64 x 1,64
HD/FD33-X	50 x 50	1,64 x 1,64
HD/FD33-U90	50 x 50	1,64 x 1,64
HD/FD33-LU L/R	50 x 50	1,64 x 1,64
HD/FD33-050U	50 x 50	1,64 x 1,64
HD/FD33-TU L/R	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-XU	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-LDU L/R	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-TDU L/R	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-050UD	50 x 50	1,64 x 1,64
HD/FD33-XUD	50 x 50 x 50	1,64 x 1,64 x 1,64
SC-3X	0-180°, Swivelcorner	
SB-3X	0-180°, Swivelbase	
BC-3X	0-180°, Bookcorner	

Loadcases FD33

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	6	19,68	7	22,96	8	26,24	9	29,52	10	32,8	11	36,08	12	39,36
CPL	kg I lbs	286	629	240	528	206	453	179	394	156	343	138	304	122	268
Deflection	mm I inch	21	0,84	29	1,16	42	1,68	48	1,92	60	2,4	73	2,92	88	3,52
UDL:	kg/mtr I lbs/ft	95	64	69	46	53	36	40	27	32	22	26	17	21	14
Deflection	mm I inch	26	1,04	36	1,44	48	1,92	60	2,4	73	2,92	91	3,64	108	4,32

HD33 / FD33 Triangle Truss – two tubes down

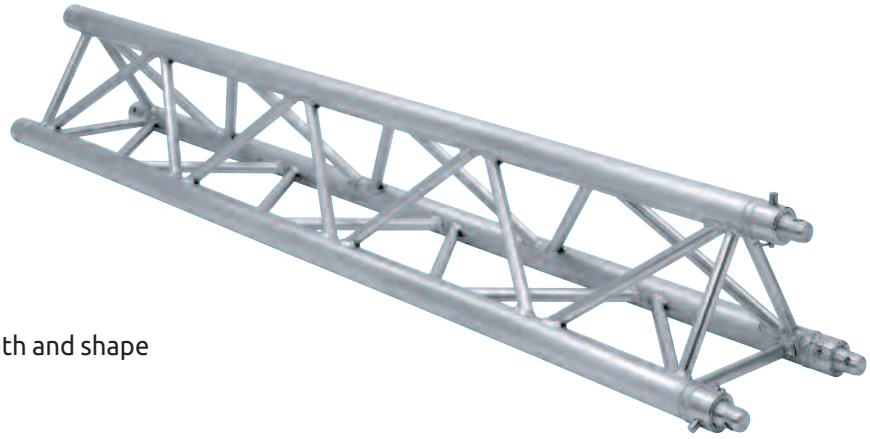
Triangular Truss with equilateral profile geometry for larger loads.

HD33 Truss

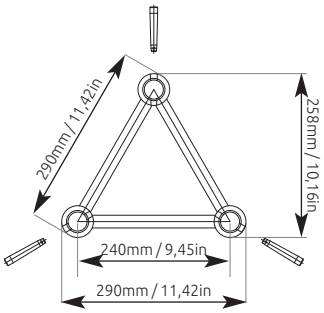
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD33 (up to 50%)

FD33 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Also available in any non-standard length and shape
- TuV approved



Dimensions HD33 / FD33



Triangle Truss – two tubes down – for Heavy loads

HD33 / FD33 with excellent load capacity on free spans of 12m (39,37ft).

HD33 / FD33 straight elements lend themselves to use as span exposed to bending stress resistant span up to 12m (39,37ft). HD33 using the 3mm (0,12in) wall thickness assures durability and extra strength. Designed for high frequency usage or installations, which demands higher loading. Combined with HD34 / FD34, they posses a broad range of applications.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements HD33 (FD33)

Corner	Size in cm	Size in inch
Main tube:	50x 3 (2) mm	1,97x 0,12 (0,08)in
Braces:	20x 2mm	0,79x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~5,5 (~4,5)kg/m	~3,7 (~3,0) lbs/ft

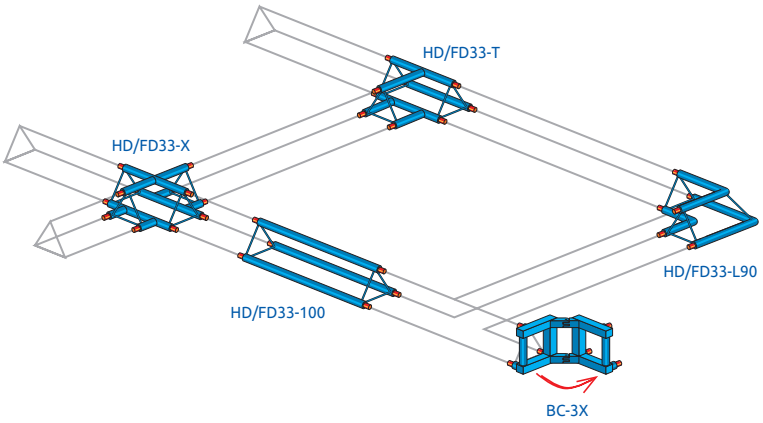
Loadcases HD33

Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	6	19,68	7	22,96	8	26,24	9	29,52	10	32,8	11	36,08	12	39,36
CPL	kg I lbs	434	955	367	807	315	693	275	605	242	532	215	473	192	422
Deflection	mm I inch	22	0,88	30	1,2	39	1,56	50	2	62	2,48	75	3	90	3,6
UDL:	kg/mtr I lbs/ft	145	97	105	71	79	53	61	41	48	32	39	26	32	22
Deflection	mm I inch	27	1,08	37	1,48	48	1,92	61	2,44	75	3	91	3,64	108	4,32

HD33 / FD33 Triangle Truss – two tubes down

Triangular Truss with equilateral profile geometry for larger loads.

One level construction

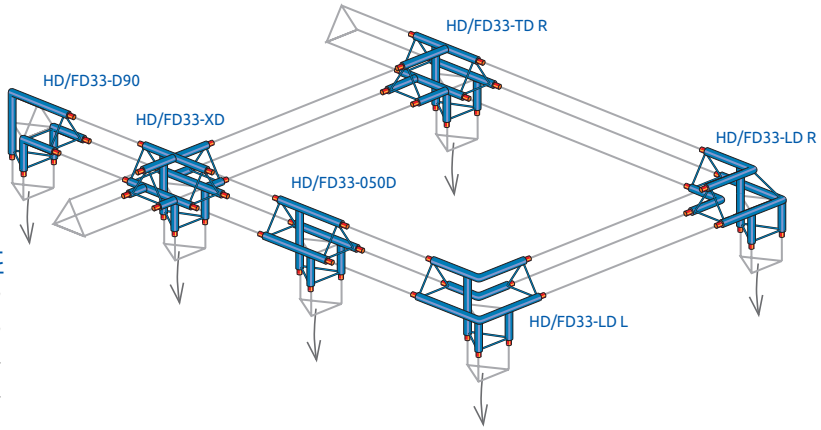


HD33 / FD33 Construction

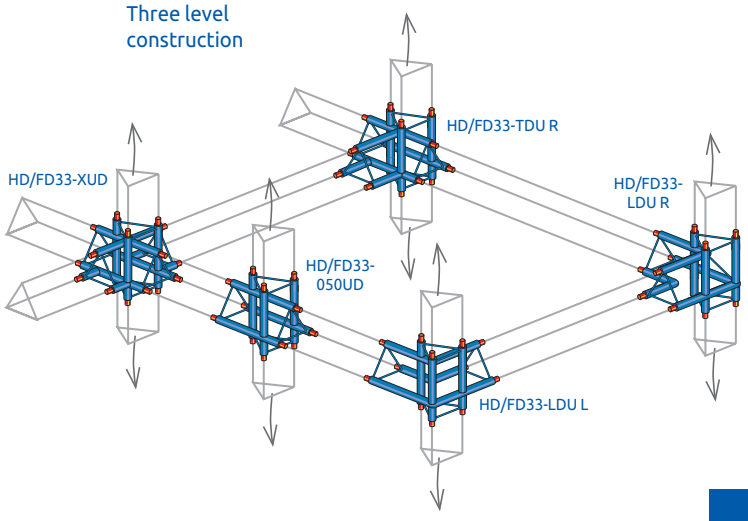
The HD33 / FD33 series allow a wide variety of structural shapes in up to three levels by using corners, cross-pieces and tees (all available with down and up attachments)

Permitting almost limitless possibilities for the realization of creative ideas. Optically and statically adapted to fit the straight elements.

Two level construction



Three level construction



Measurement Corners for HD33 / FD33

Cornercode	Size in cm	Size in feet
HD/FD33-L45	100 x 100	3,28 x 3,28
HD/FD33-L60	100 x 100	3,28 x 3,28
HD/FD33-L90	50 x 50	1,64 x 1,64
HD/FD33-L120	50 x 50	1,64 x 1,64
HD/FD33-L135	50 x 50	1,64 x 1,64
HD/FD33-T	50 x 50	1,64 x 1,64
HD/FD33-X	50 x 50	1,64 x 1,64
HD/FD33-D90	50 x 50	1,64 x 1,64
HD/FD33-LD L/R	50 x 50	1,64 x 1,64
HD/FD33-050D	50 x 50	1,64 x 1,64
HD/FD33-TD L/R	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-XD	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-LDU L/R	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-TDU L/R	50 x 50 x 50	1,64 x 1,64 x 1,64
HD/FD33-050UD	50 x 50	1,64 x 1,64
HD/FD33-XUD	50 x 50 x 50	1,64 x 1,64 x 1,64
SC-3X	0-180°, Swivelcorner	
SB-3X	0-180°, Swivelbase	
BC-3X	0-180°, Bookcorner	

Loadcases FD33

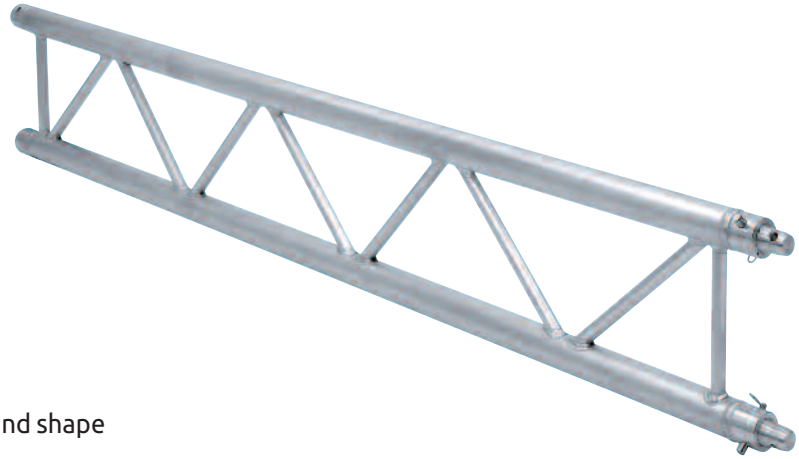
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	6	19,68	7	22,96	8	26,24	9	29,52	10	32,8	11	36,08	12	39,36
CPL	kg I lbs	286	629	240	528	206	453	179	394	156	343	138	304	122	268
Deflection	mm I inch	21	0,84	29	1,16	42	1,68	48	1,92	60	2,4	73	2,92	88	3,52
UDL:	kg/mtr I lbs/ft	95	64	69	46	53	36	40	27	32	22	26	17	21	14
Deflection	mm I inch	26	1,04	36	1,44	48	1,92	60	2,4	73	2,92	91	3,64	108	4,32

HD32 / FD32 Ladder truss

Ladder truss for medium loads

HD32 Truss

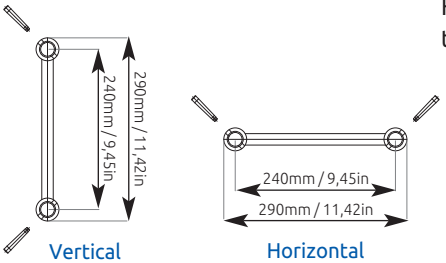
- Increased wall thickness of 3mm (0,12in) for 50mm (1,97in) main tubes
- Increased loading compared to FD32 (up to 50%)
- Compatible with HD34



FD32 Truss

- Tolerance free conical connector
- Wall thickness of 2mm (0,08in) for 50mm (1,97in) main tubes
- Compatible with FD34
- Also available in any non-standard length and shape
- TuV approved

Dimensions HD32 / FD32



Ladder truss for vertical and horizontal rigs

HD32 / FD32 guarantees optimum load bearing capacity up to spans of 8m (26,25ft).

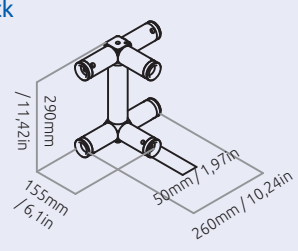
HD32/ FD32 straight elements lend themselves to use as span exposed to bending stress, cantilevered up to 4m (13,12ft) or supported up to 8m (26,25ft). Combined with HD34 / FD34 Truss they possess a broad range of applications.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Measurements HD32 (FD32)

Corner	Size in cm	Size in inch
Main tube:	50x 3 (2)mm	1,97x 0,12 (0,08)in
Braces:	20x 2mm	0,79x 0,08in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON
Weight:	~4 (~3)kg/m	~2,7 (~2,0) lbs/ft

Dimensions
HD32 / FD32 Cornerblock



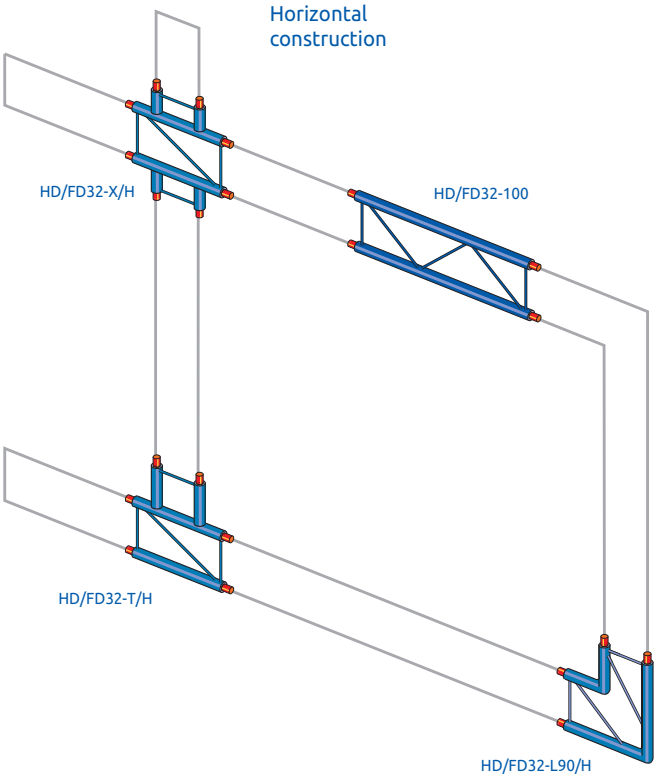
Loadcases HD32

		unsupported:						...every 1,1m supported:					
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	2	6,56	3	9,84	4	13,12	4	13,12	6	19,68	8	26,24
CPL	kg I lbs	355	781	103	227	41	90	633	1393	418	920	309	680
Deflection	mm I inch	1	0,04	1	0,04	1	0,04	12	0,48	25	1	45	1,8
UDL:	kg/mtr I lbs/ft	355	239	69	46	21	14	266	179	117	79	65	44
Deflection	mm I inch	1	0,04	1	0,04	1	0,04	14	0,56	32	1,28	57	2,28

HD32 / FD32 Ladder truss

Ladder truss for medium loads

Horizontal construction



HD32 / FD32 Construction

The HD32 / FD32 series allow a wide variety of structural shapes in one level by using corners, cross-pieces and tees.

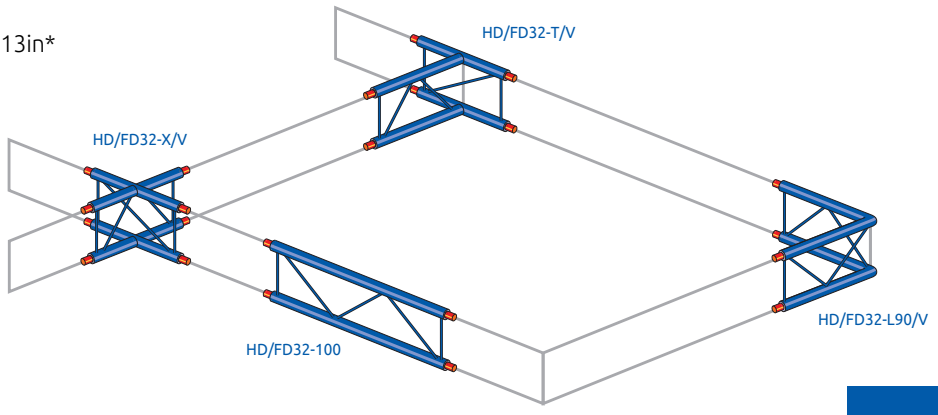
Optically and statically adapted to fit the straight elements.

HD32 / FD32 System is suitable for using horizontally and vertically. The load capacity is identical.

Measurement Corners for HD32 / FD32

Cornercode	Size in cm	Size in feet
HD/FD32-L45/V (H)	100 x 100	3,28 x 3,28
HD/FD32-L60/V (H)	100 x 100	3,28 x 3,28
HD/FD32-L90/V (H)	50 x 50	1,64 x 1,64
HD/FD32-L120/V (H)	50 x 50	1,64 x 1,64
HD/FD32-L135/V (H)	50 x 50	1,64 x 1,64
HD/FD32-T/V (H)	50 x 50	1,64 x 1,64
HD/FD32-X/V (H)	50 x 50	1,64 x 1,64
BLK-32	90° in 4 dir.	
CS1-BOB105	105mm*	4,13in*

Vertical construction



Loadcases FD32

		unsupported:						…every 1,1m supported:					
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length	m I ft	2	6,56	3	9,84	4	13,12	4	13,12	6	19,68	8	26,24
CPL	kg I lbs	338	744	98	216	39	86	506	1113	334	735	247	543
Deflection	mm I inch	1	0,04	1	0,04	1	0,04	11	0,44	24	0,96	43	1,72
UDL:	kg/mtr I lbs/ft	338	227	66	44	20	13	253	170	111	75	62	42
Deflection	mm I inch	1	0,04	1	0,04	1	0,04	13	0,52	30	1,2	54	2,16

*2 pcs.required for one attachment

FD31 Single Tube Series

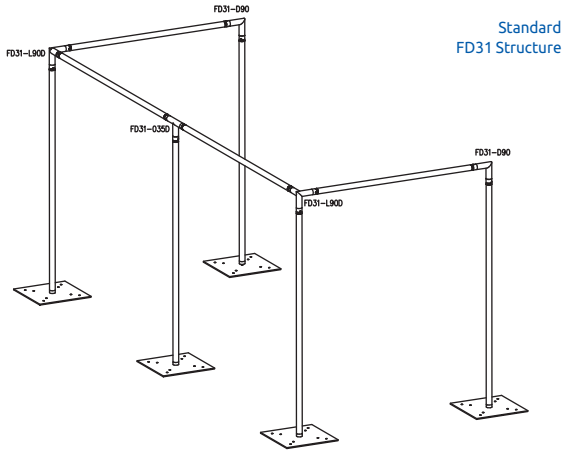
FD31 (Single Tubes with CS1 Connectors) for decorative purposes

Highest accuracy for perfect fitting:

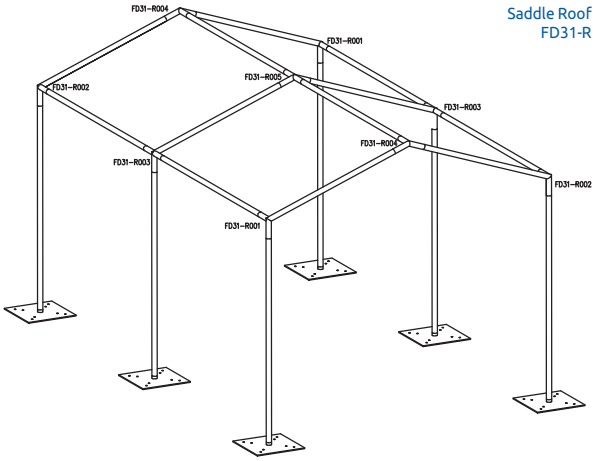
Eurotruss has developed a new line made out of standard FD31 (Single Tubes with CS1 Connectors) for decorative purposes

The demand for a simple and fast single tube structure program has led to a broad FD31 range with multi purpose corners and accessories.

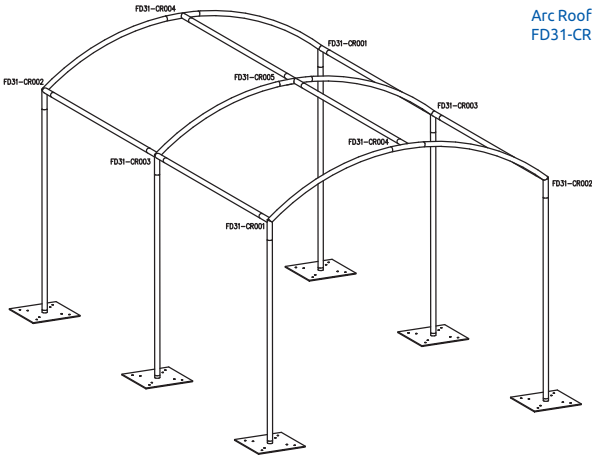
- With usage of the standard corners and accessories everything in one level, horizontally can be build and all horizontal structures can be build on legs.
- Eurotruss developed next to the standard structures three various »roof« structures – Type R (saddle roof), CR (arc roof) and SR (saddle roof with horizontal bridge »not shown«).
- The complexity of the system is the positioning of the pins. Eurotruss has solved this matter by using all pins horizontally in one level and all down attachments have a diagonal pin.
- In the »roof« corners the pin position has been chosen in such a way that the pin will not interfere with covering fabric. All corners in the »roof« area have horizontal pin positioning and the legs diagonal pin positioning.
- The slope of the saddle »roof« is minimum 20 degree which Eurotruss has adapted as standard slope (higher degree slope is »custom made«, less slope is not possible)
- The smallest tube length in straight is 20cm (7,87in), everything required less in length can be solved with spacers.
- Eurotruss has developed two standard base plates using screw on half connectors to be flexible with pin positioning. The standard base plate is an aluminium plate 250x250mm (9,84 x 9,84in) for FD31 only and a heavy duty plate of galvanized steel 600x600mm (23,62 x 23,62in) with pre-drilled holes for HD/FD44 – HD/FD34 and HD/FD31 usage (due to its size and weight, one side handle is standard). Both base plates are 8mm (0,31in) thick.
- Always guaranteed usage of standard CS1 (FD/HD) Connection System.



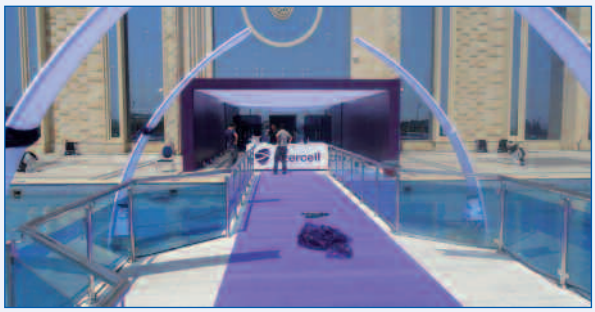
Standard
FD31 Structure



Saddle Roof
FD31-R



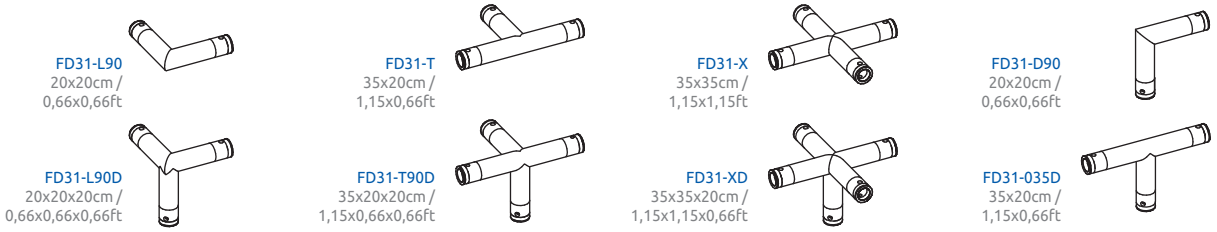
Arc Roof
FD31-CR



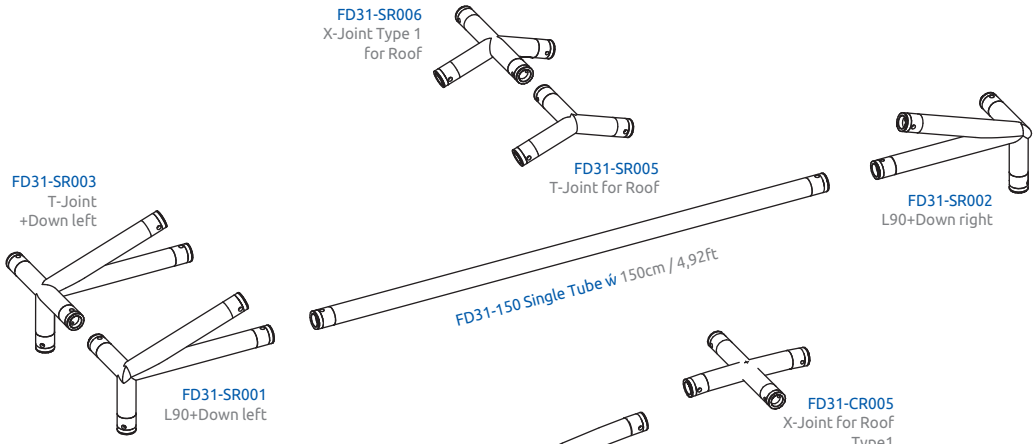
FD31 Single Tube Series

FD31 Individual Corners and Parts

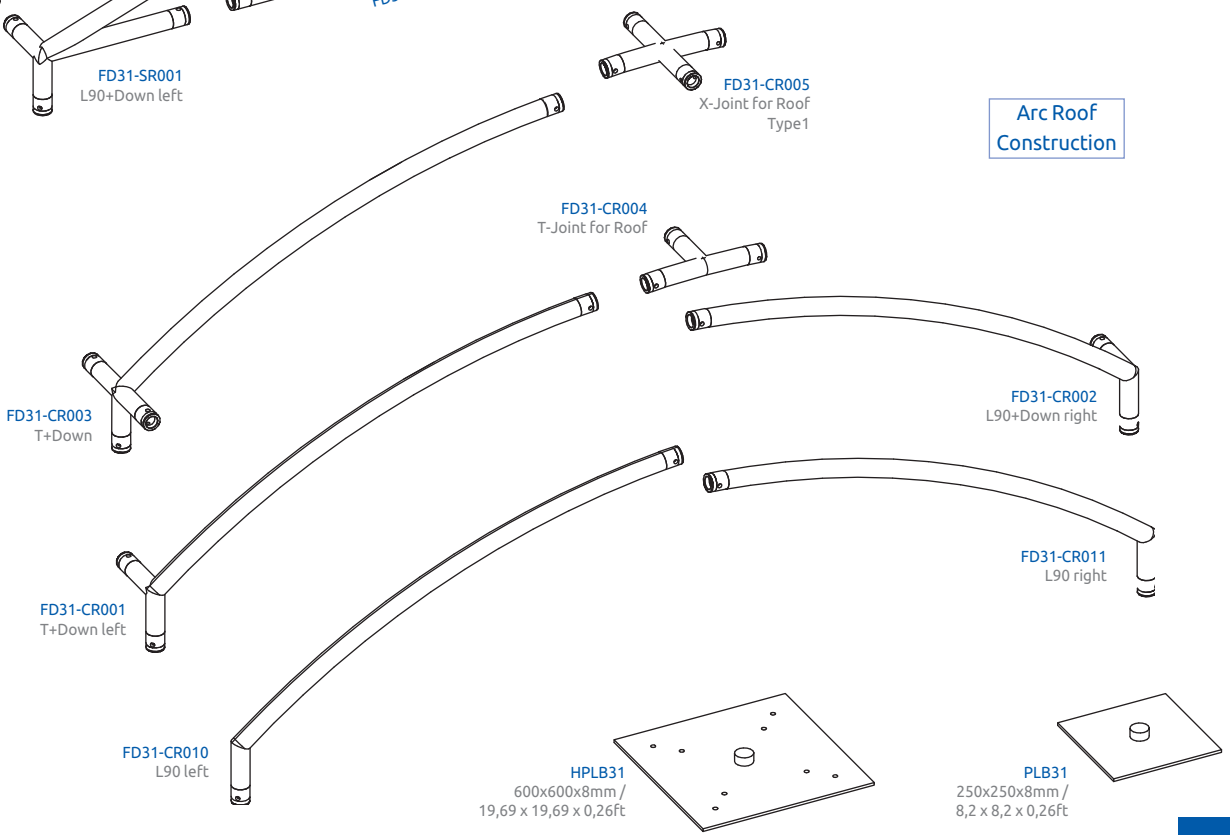
Standard Construction



Saddle Roof Construction



Arc Roof Construction



Corner Blocks

Cornerblocks for MT / TT / XT / FT100 and FT50 Multi Corner

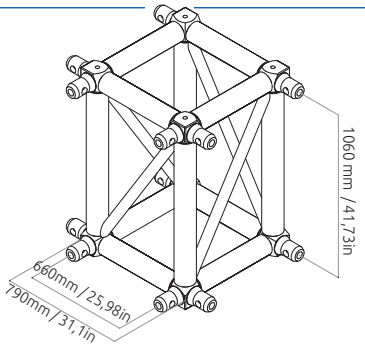
MT / TT / XT / FT100 and FT50 Cornerblocks

The Eurotruss corner blocks enables the creation of 2, 3, 4 way corners matching uniformly with the sleeve blocks of the ground supported towers.

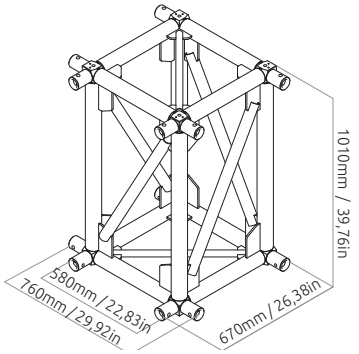
The attachments are bolted to the corner blocks by using female bold on receivers.

The corner block can be used in all configurations of 90 degree angles which makes it a handy and cost efficient product.

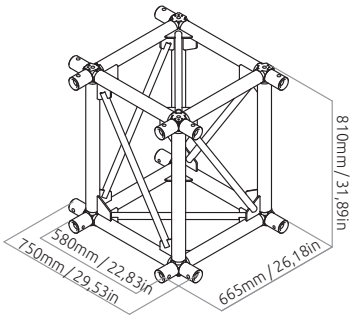
The corner blocks are designed to be very rigid and therefore capable of taking 100% of the applied load in a vertical or horizontal direction.

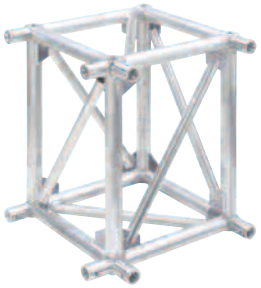


MT-Cornerblock: **BLK-MT –** 90° in 4 directions
CS4-Scon – CS4-SCON, MT bold on screw ½ connector, 4x per direction *

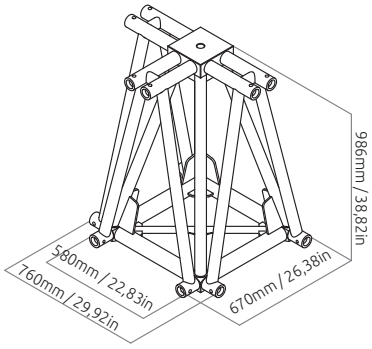


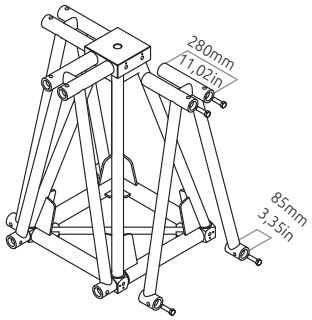
TT-Cornerblock: **BLK-TT –** 90° in 4 directions I **CS3-BOB85 –** TT/XT/FT/ST Bold on Receiver, 85mm (3,35in), 4x per direction*



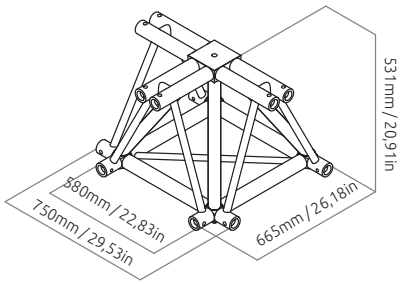


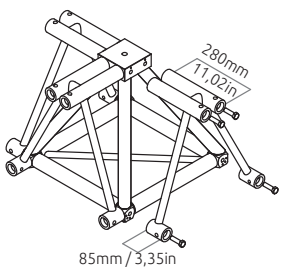
XT-Cornerblock: **BLK-XT –** 90° in 4 directions I **CS3-BOB85 –** TT/XT/FT/ST Bold on Receiver, 85mm (3,35in), 4x per direction*

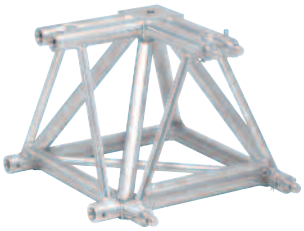




FT100-Cornerblock: **BLK-FT100 –** 90° in 4 directions I **BLK-A-FT100 –** FT100 Adapter for FT100-BLK, 1x per direction





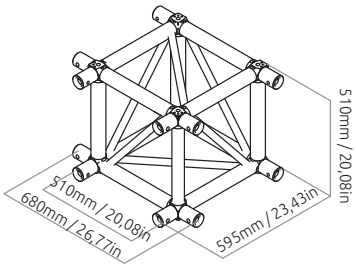


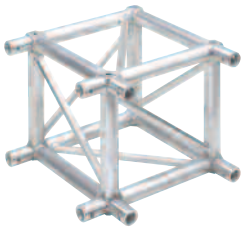
FT50-Cornerblock: **BLK-FT50 –** 90° in 4 directions I **BLK-A-FT50 –** FT50 Adapter for FT50-BLK, 1x per direction

*4 pcs.required for one attachment I *BOB's come seperately

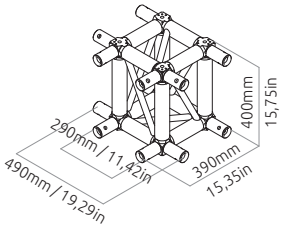
Corner Blocks

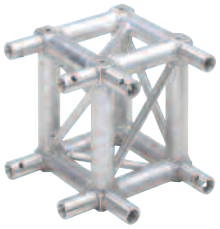
Cornerblocks for ST, XD, HD / FD4x and HD / FD3x



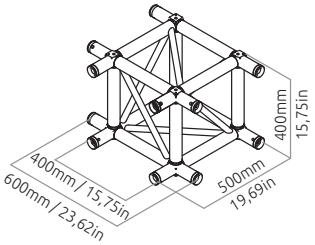


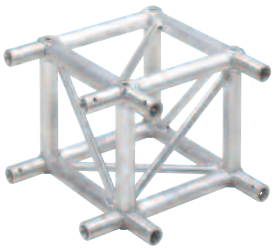
ST-Cornerblock: **BLK-ST –** 90° in 6 directions
CS3-BOB85 – TT/XT/FT/ST Bold on Receiver, 85mm (3,35in), 4x per direction*



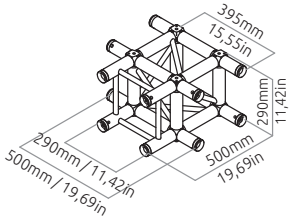


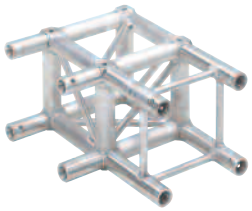
XD-Cornerblock: **BLK-XD –** 90° in 4 directions
CS2-BOB95 – XD Bold on Receiver, 95mm (3,74in), 4x per dir.* ***



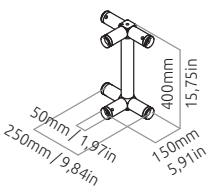


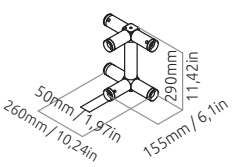
HD/FD44-Cornerblock:
BLK-44 – 90° in 6 directions I **CS1-BOB100** HD/FD Bold on Receiver, 100mm (3,94in), 4x per dir.*





HD/FD34-Cornerblock: **BLK-34 –** 90° in 6 directions
CS1-BOB105 / A210 – HD/FD34 Bold on Receiver 105mm (4,13in) **–** 4 pcs per att. or 210mm adapter (8,27in) **–** 1 pce per att.





HD/FD42 (32)-Cornerblock:
CS1-BOB100 / 105 – HD/FD42 Bold on Receiver 100mm (3,94in) I HD/FD32 Bold on Receiver 105mm (4,13in)

ST, XD, HD/FD4x and HD/FD3x Cornerblocks

The Eurotruss corner blocks enables the creation of 2, 3, 4, 5 and 6-way corners matching uniformly with the standard truss corners.

The attachments are bolted to the corner blocks by using bold on receivers.

The corner block can be used in all configurations of 90 degree angles. The corner blocks are designed to be very rigid and therefore capable of taking 100% of the applied load in a vertical or horizontal direction.

The FD42 and FD32 will only have a 4 way direction although the upper of the cube can be used to bolt in an eye-nut and used as hanging point.

*4 pcs.required for one attachment I **BOB's come seperately I ***XD Multicorners have a horizontal XD attachment as the upper and down attachment is FD34

Circles and Curved Trusses

Highest accuracy for perfect fitting:

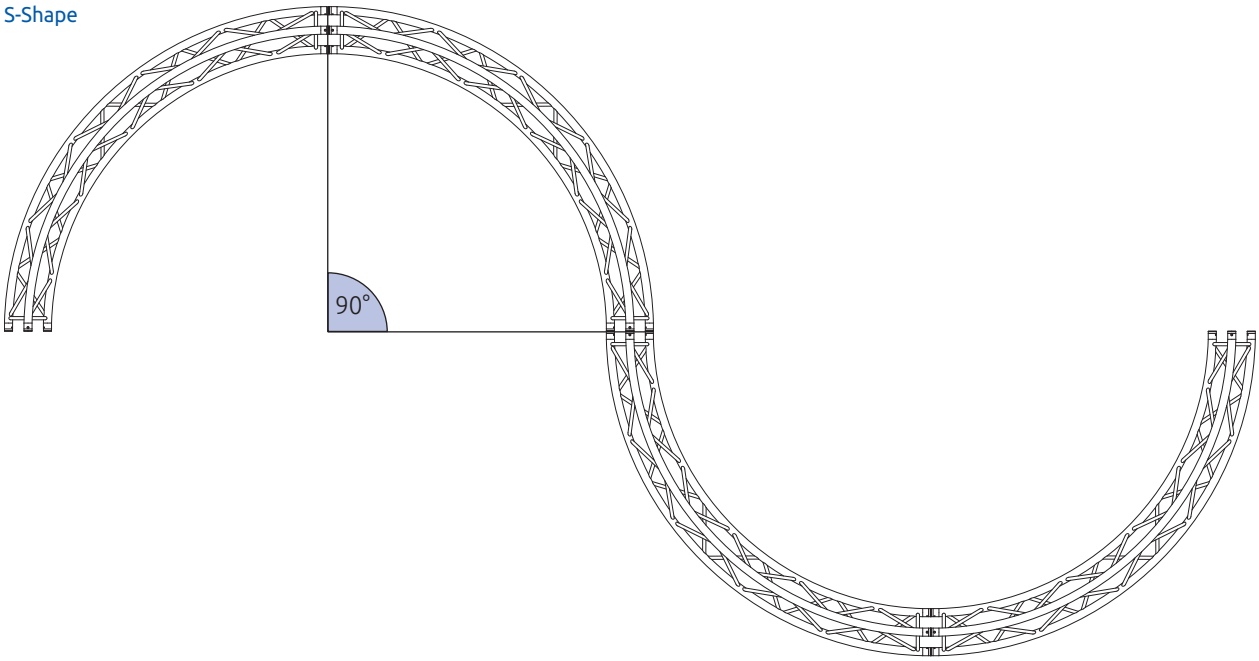
Eurotruss manufactures circles and curved trusses. These curved trusses are made with full accuracy which guarantees a perfect fitting. All curved parts are made with special tools ensuring that all parts are identical. Every curved segment of a circle is fully interchangeable.

Eurotruss offers a broad range of circles and curved trusses from FD33 till ST Series in various diameters and degrees. The number of curved parts is depending on the maximum length of each segment.

The maximum length per segment may not exceed 5,5m (18,04ft). Eurotruss advises the purchase of an even number of parts (2, 4 or 8 parts) in order to obtain full flexibility and exchangeability with standard lengths and corner elements.

Further it is advisable to check upon load bearing capacity as a circle or curved structure needs to be calculated differently.

S-Shape



Circle Parts:

The number of parts of a circle depends on the diameter:

The number of parts of a circle depends on the diameter of the circle as well as the maximum length of the tube we can bend, which is 5,5m (18,04ft).

You can calculate your needed units of segments with this sheme:

$$\text{Number of segments X:} = \frac{\text{Diameter x 3,14}}{\text{5,5m (18,04ft)}}$$

Example: FD34 Circle with a diameter of 8 meter:

Number of Segments: *8m x 3,14 = 25,12*
25,12 : 5,5 = 4,57
Minimum number of segment is: 5

Example: FD34 Circle with a diameter of 26,25ft:

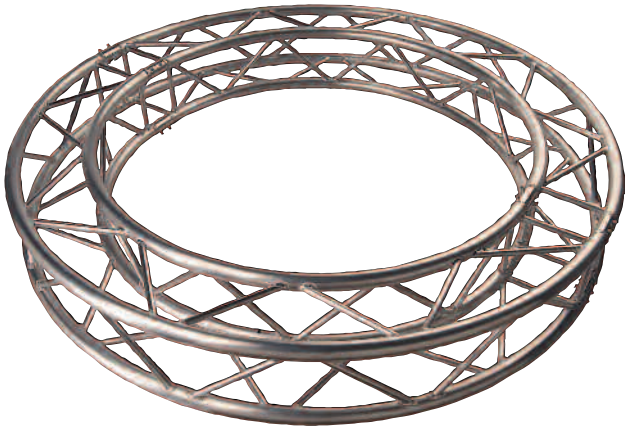
Number of Segments: *26,25ft x 3,14 = 82,43*
82,43 : 18,04 = 4,57
Minimum number of segment is: 5

Circles Elements

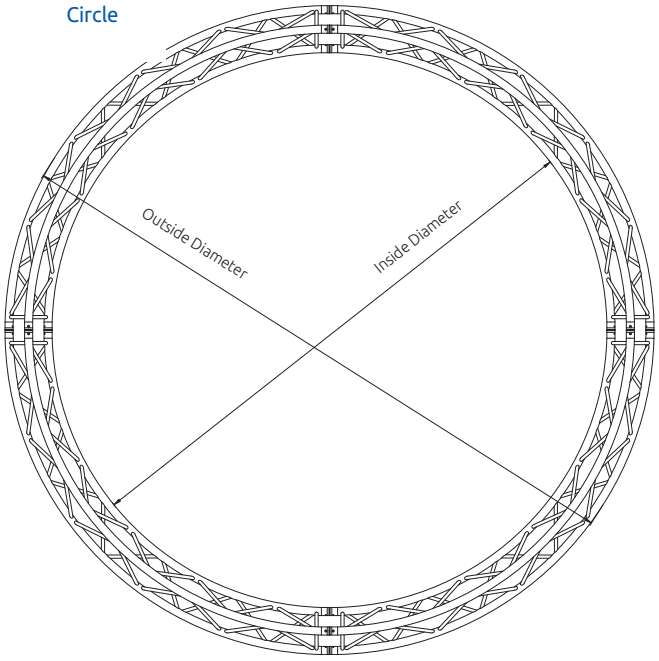
Eurotruss advises the purchase of an even number of parts (2, 4 or 8 parts) in order to obtain full flexibility and exchangeability with standard lengths and corner elements.

See here some examples of various shapes which are possible.

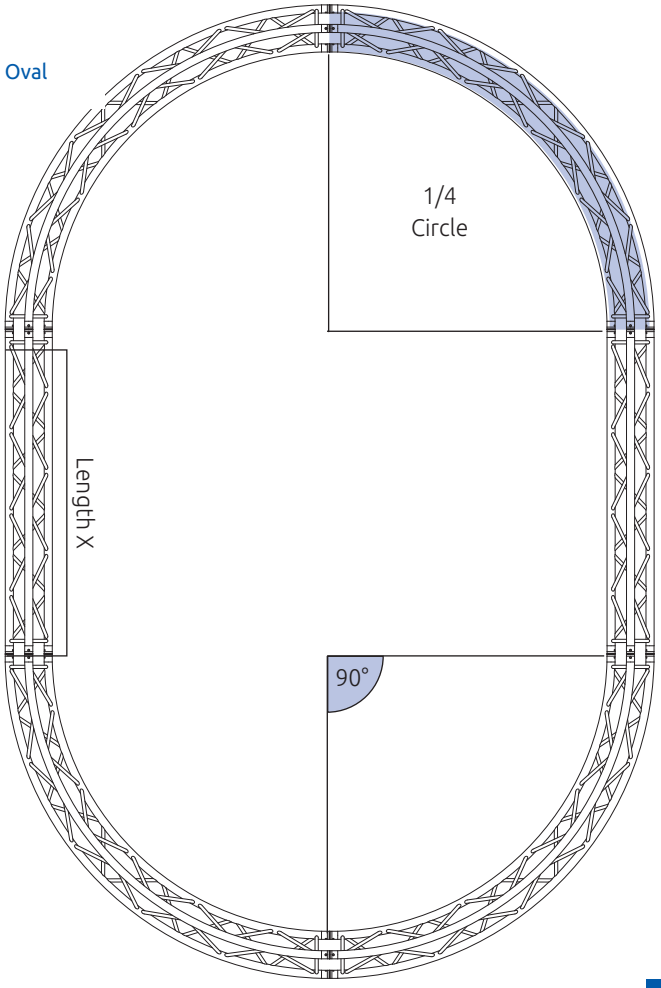
As a quarter circle segment can be regarded as a big 90° Corner various structure opportunities appear.



Circle



Oval



Load Capacity of a Circle:

The load bearing capacity of a circle is only valid when the circle will be hung horizontally:

$$\text{Length X:} = \frac{\text{Diameter x 3,14}}{\text{Nr. of Hanging Points}}$$

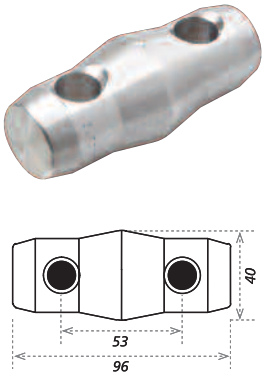
$$\text{Load Capacity per Hanging Point:} = \frac{\text{Div. Load in KG (LBS) of Length X}}{5}$$

$$\text{Total Load Capacity:} = \frac{\text{Load Per Hanging Point}}{} \times \frac{\text{Number of Hanging Points}}{}$$

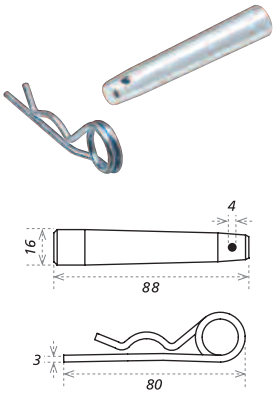
Accessories

Connectors and Pins for all Systems

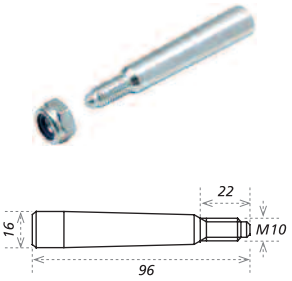
TT / XT
ST / FT



CS3-CON
Connector (Spigot)

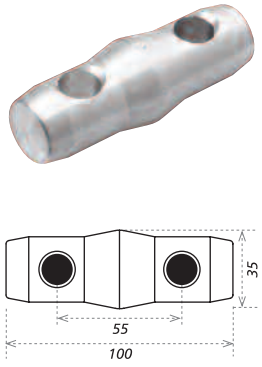


CS3-TP + CS3-RS3
Trusspin + R-Clip 3mm / 0,12in

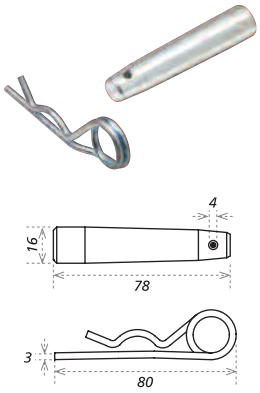


CS3-TPS + CS3-NUT
Pin + Locknut M10

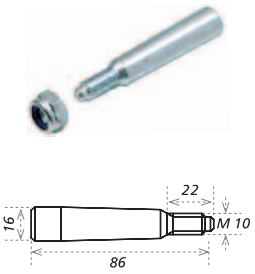
XD



CS2-CON
Connector (Spigot)

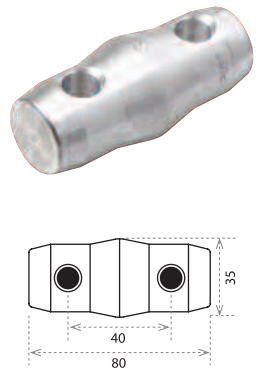


CS2-TP + CS3-RS3
Trusspin + R-Clip 3mm / 0,12in

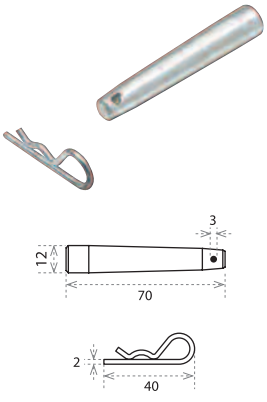


CS2-TPS + CS3-NUT
Pin + Locknut M10

HD
FD



CS1-CON
Connector (Spigot)



CS1-TP + CS1-RS2
Trusspin + R-Clip 2mm / 0,08in

CS1-TPS + CS1-NUT
Pin + Locknut M8

Connectors and Pins

All Eurotruss connectors are made accordingly the highest quality standard.

Eurotruss only uses the aluminium quality EN AW-6082 T6 for the connectors. All Eurotruss connectors are engraved with the Eurotruss logo and name to check the originality.

The Truss Pin is made of high tensile steel, 42 CrMo 4, which prevents deformation and can absorb higher loadings.

Spacers

In various designs and constructions like Ground Supports, spacers are required.

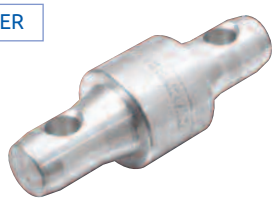
Spacer get the matching size without compromising the use of standard elements.

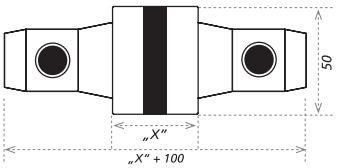
All CAD-Sizes are in mm

Accessories

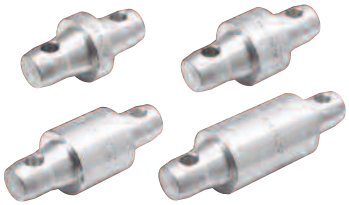
Spacers, Bold on Receivers and Scons for all Systems

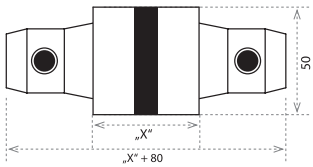
SPACER



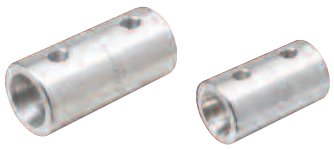


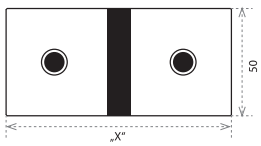
CS2-CON40
XD-Spacer, X=40mm / 1,57in





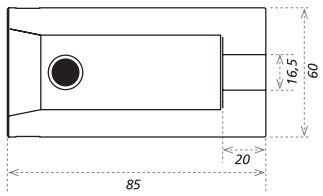
CS1-CON15 / 30 /50 /80
HD/FD-Spacer, X = 15, 30, 50, 80mm
(0,59 / 1,18 / 1,97 / 3,15in)



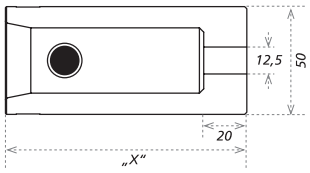


CS1-BUS90 / 105
HD/FD-Adapter, X = 90 mm, 105 mm
(3,54 / 4,13in)

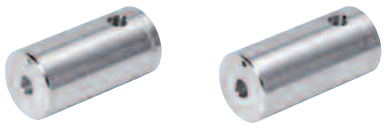
BOLD ON RECEIVER

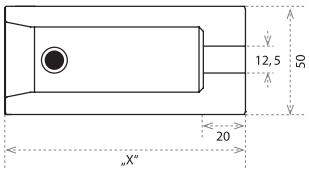


CS3-BOB85
TT/XT/FT and ST-Bold on Receiver 85mm (3,35in)



CS2-BOB95
XD-Bold on Receiver 95 mm (3,74in)

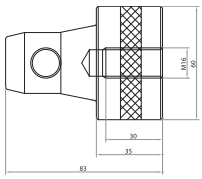




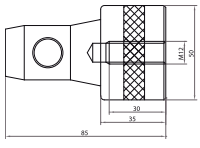
CS1-BOB100
Bold on Receiver,
100mm (3,94in),
for BLK-44
(Cornerblock)

CS1-BOB105
Bold on Receiver,
105mm (4,13in),
for BLK-34
(Cornerblock)

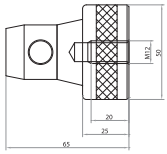
SCONS



CS3-Scon35
TT / XT / ST / FT
Bold on Connector M12



CS2-Scon35
XD
Bold on Connector M12



CS1-Scon25
HD/FD
Bold on Connector M12

Bold on Receivers

Eurotruss supplies various kinds of bold on receivers.

The screw in bold on receivers (connectors) in FD and XD System which are being used on all kind of plated products like totem, adapter plates and the swivel corner / base.

The other bold on receivers are to be used on corner blocks to make the various attachments.

Scons

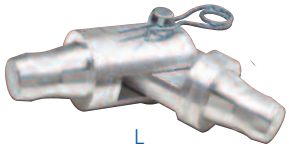
The screw in half connectors (Scons) in FD and XD System which are being used on all kind of plated products like totem, adapter plates, book corners and the swivel corner / base.

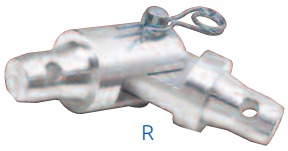
Both Scons have a M12 Thread inside.

All CAD-Sizes are in mm

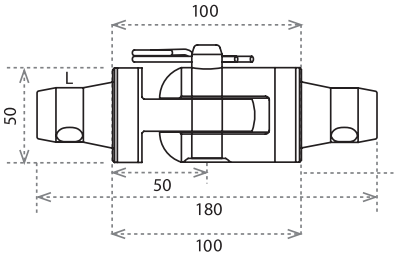
Accessories

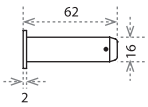
Hinge Connection for all HD / FD Systems



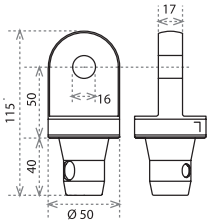


CS1-HS L/R
HD / FD Hinge Set (single tube), L=100mm

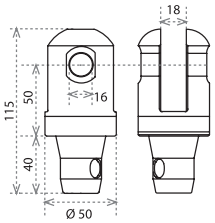




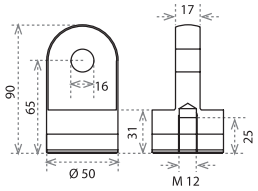
CS1-Pin01
Pin 16 mm for HS and hinges



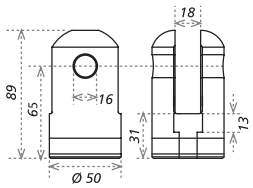
CS1-HSP-M L
Hingepart male left for HD, FD Serie



CS1-HSP-F L
Hingepart female left for HD, FD Serie

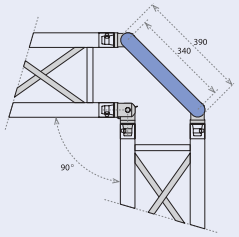


CS1-HS-Bo M
Hingepart Bold on male for HD, FD Serie

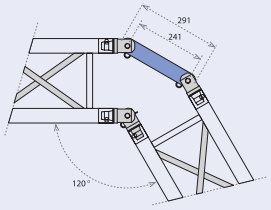


CS1-HS-Bo
Hingepart Bold on female for HD, FD Serie

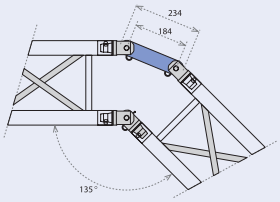
Example FD34 Connection with usage of hinges



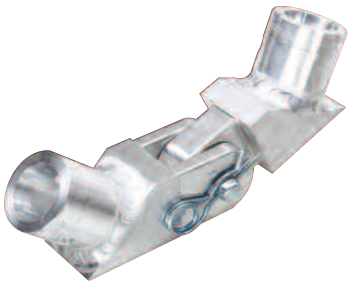
CS1-DB340
Distance Bar
for Hinge Part 90°: 390mm (15,35in)

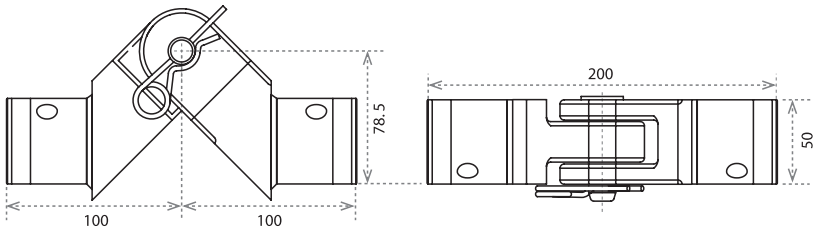


CS1-DB241
Distance Bar
for Hinge Part 120°: 291mm (11,46in)



CS1-DB184
Distance Bar
for Hinge Part 135°: 234mm (9,21in)





CS1-CSLD
HD / FD Variable Connection Set, 0-180°

Hinge Connections

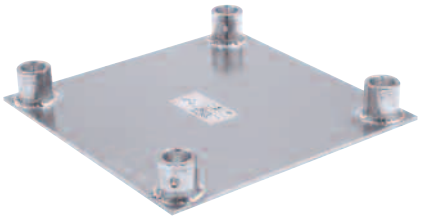
The hinge sets, mainly used as hinges in towers, are also usable to make various shapes with standard lengths.

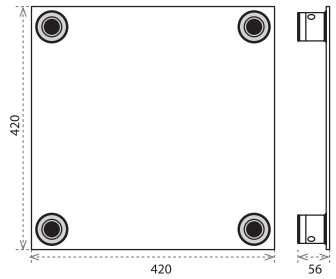
With pre-fixed distance bars you can make 90 dgr., 120 dgr. and 135 dgr. corners. See the example above for more details. The hinge sets are available for HD/FD and for ST System.

The hinges for ST System are mainly designed for hinging the tower and to be used in combination with TD50 Tower.

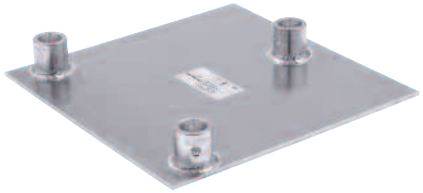
The variable connection set can be used to make any angle between 0 dgr. and 180 dgr and can only be used with square truss.

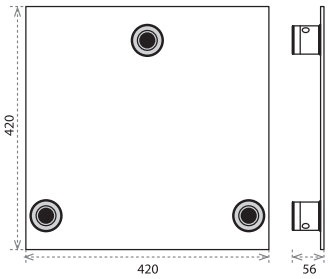
All CAD-Sizes are in mm



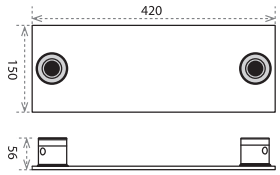


PLB-44
Base Plate

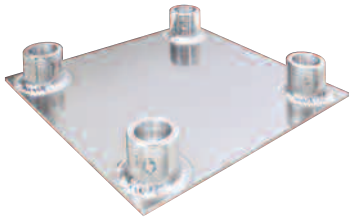


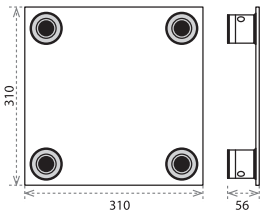


PLB-43
Base Plate

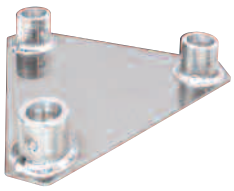


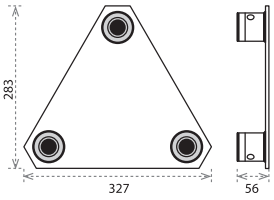
PLB-42
Base Plate



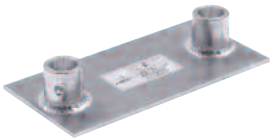


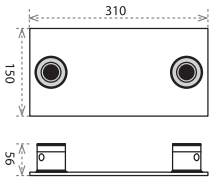
PLB-34
Base Plate





PLB-33
Base Plate





PLB-32
Base Plate

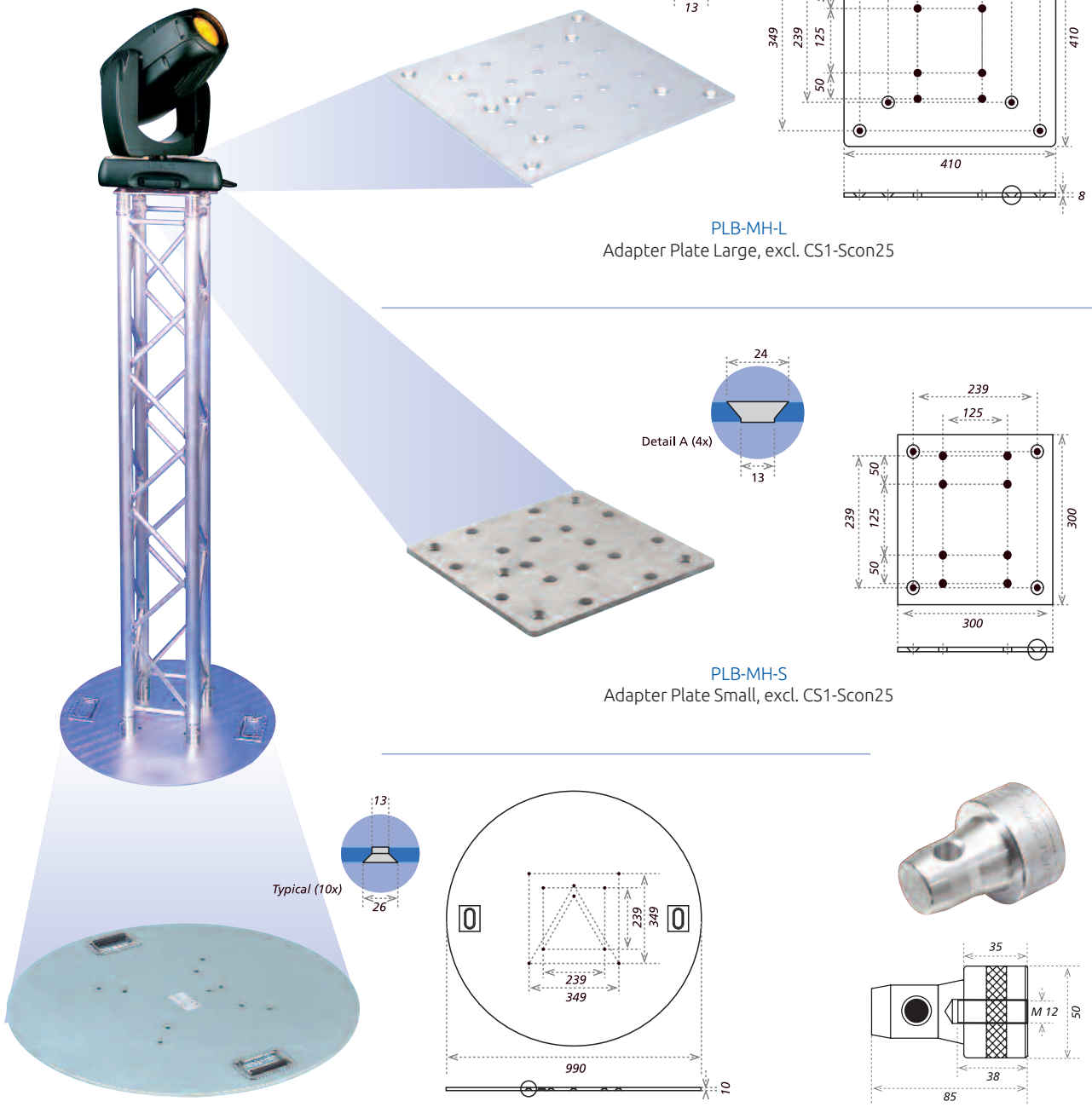
Base Plates

For each Truss System Eurotruss supplies a base plate. The base plate is an aluminium plate with fixed welded receivers on it.

The plate is for FD System 6mm (0,24in) thick and for heavier truss systems 8~10mm (0,31~0,39in) thick. A base plate can also be used as a wall plate or end plate.

Accessories

Totem Plates for all HD / FD Systems



PLB-MH-L

Adapter Plate Large, excl. CS1-Scon25

PLB-MH-S

Adapter Plate Small, excl. CS1-Scon25

PLB-TOTEM

Totem Base Plate. Ø = 99cm (3,25ft), 80kg (176lbs), excl. CS1-Scon25

CS1-Scon25

HD/FD-Bold on Connector M12

Totem

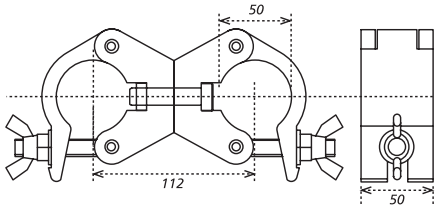
The Totem is a round steel base plate with a diameter of 99cm (3,25ft) with easy handles and pre-drilled holes for all HD/FD Truss Series. The totem is strong, elegant and the perfect plate for stand alone beams.

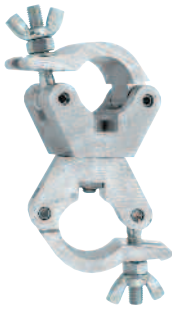
The totem can also be used to mount a moving head (any brand) on a top plate. In order to secure the moving head, it is adviseable to use a special adapter plate including a spacer set with locking device to fixate the moving head.

Not only is the adapter plate the right tool for fast and safe fixation of your moving head, it can also absorb the heat generated by the moving head without deforming.

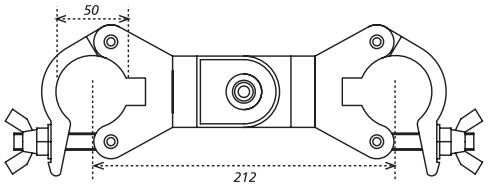
The adapter plates are available in two sizes and equipped with pre-drilled holes to match all moving heads. Both Totem Plate and Adapter Plate are exclusive the required HD/FD Scon25, half connector with M12 Thread.

All CAD-Sizes are in mm

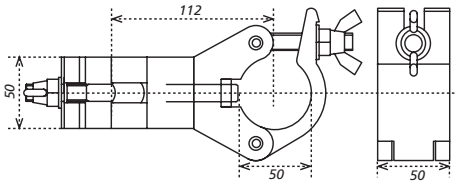


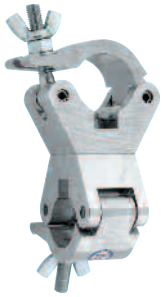


DC-DC
Swivelcoupler

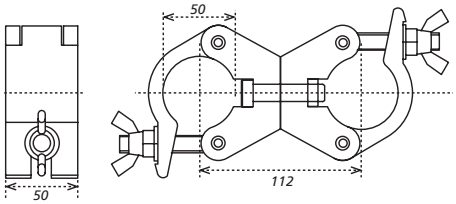


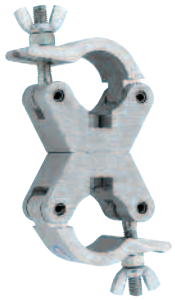
DCDC-TD
Double Swiveljoint



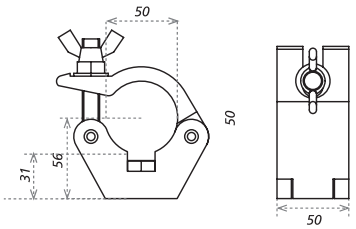


DC-DC-F
90° Fixed Coupler

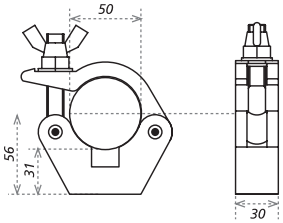




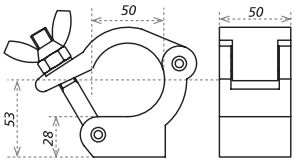
DC-DC-P
Parallel Coupler



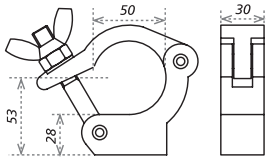
DC-HC
Halfcoupler



DC-SC
Halfcoupler Slimline



DC-HC-SE
Halfcoupler »side entry«



DC-SC-SE
Halfcoupler Slimline »side entry«

Totem

Depending on triangular or square truss additional 3 or 4 HD/FD-Scon25 may need to be ordered as extra.

Gripping Material

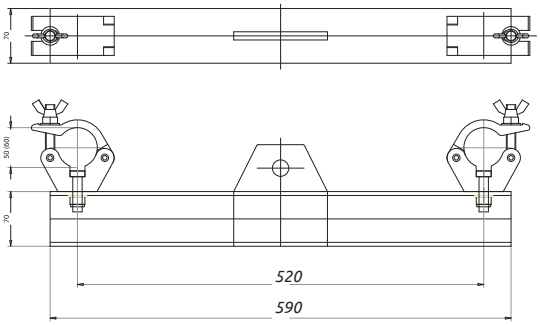
Eurotruss carries a broad range of couplers, clamps, hook on bars, stabilizer bars and hanging bars.

A good solution for using couplers with truss constructions is the side-entry coupler as the lid has a wide angle which provides more space tolerance.

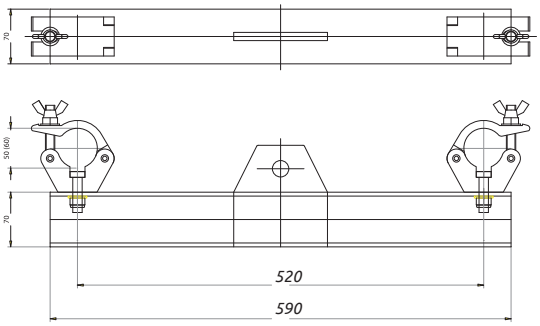
Accessories

Hanging Adapter for conical systems

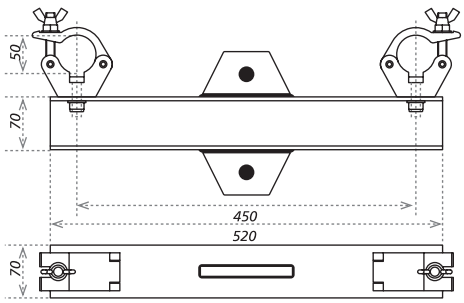
DCB8-PF
TT Truss Hanging Adapter



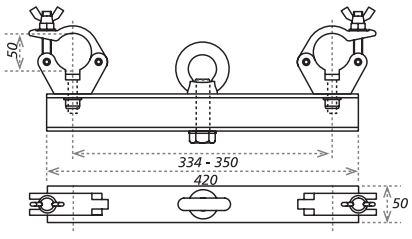
DCB7-PF
XT Truss Hanging Adapter



DCB5-PF
ST Truss Hanging Adapter



DCB4-PF
HD/FD4X Truss Hanging Adapter



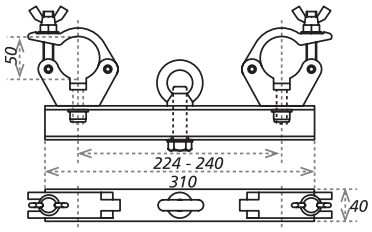
Hanging Adapter

Special steel hanging adapter to absorb the required load.

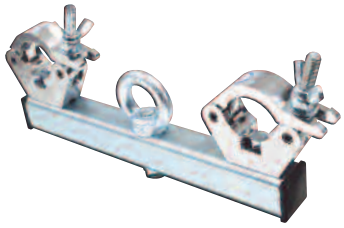
The hanging bars perfectly match the truss systems requirements.

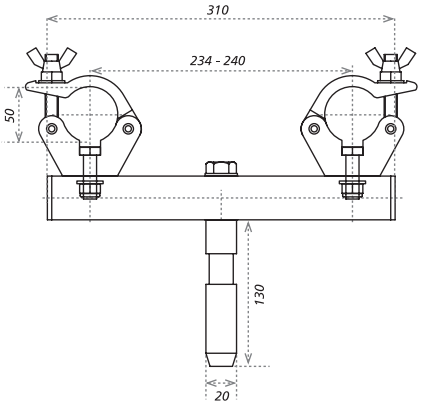
The hook on bars are available in various lengths and with various wall thicknesses.

All CAD-Sizes are in mm

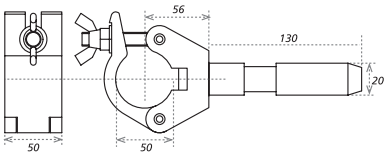


DCB3-PF
HD/FD3X Truss Hanging Adapter

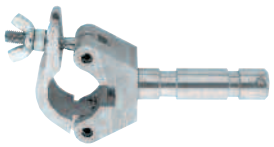


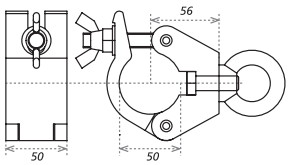


DCTV3-PF
Truss Adapter TV, Swivel

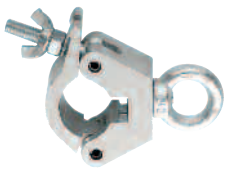


DC-TV
Half Coupler with TV Spigot





DC-PF
One Point Hanging Adapter



Hanging Adapter

Special steel hanging adapter to absorb the required load.

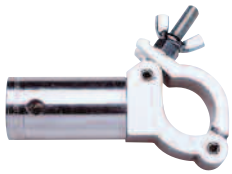
The hanging bars perfectly match the truss systems requirements.

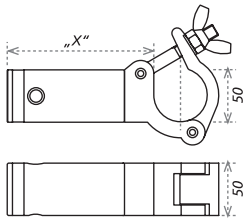
The hook on bars are available in various lengths and with various wall thicknesses.

All CAD-Sizes are in mm

Accessories

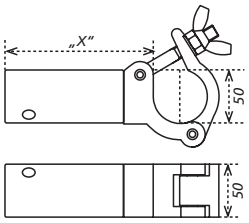
Bold on Twist joints – Stabillizer and Hook on Bars





CS2-DC13
XD Bold on Twist Joint 13cm (5,12in)
– to make T-joint
i.c.w. XD Sleeve Blocks

CS2-DC21
XD Bold on Twist Joint 21cm (8,27in)
– to make T-joint i.c.w. XD Corners



CS1-DCX
HD / FD Bold on Twist Joint
X = 10 / 10,5 / 12 / 14 / 21cm = 3,94 / 4,13 / 4,72 / 5,51 / 8,27in
*usage of 50mm (1,97in) half coupler side entry

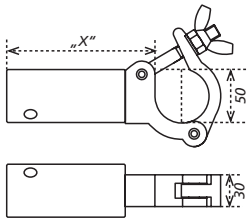
CS1-DC10 – Bold on Twist Joint 100mm / 3,94in
–to make T-joint i.c.w. HD/FD44 Corners

CS1-DC10,5 – Bold on Twist Joint 105mm (4,13in)
– to make T-joint i.c.w. HD/FD34 Corners

CS1-DC12 – Bold on Twist Joint 120mm (4,72in)
– to make T-joint i.c.w. HD/FD34 Sleeve Block

CS1-DC14 – Bold on Twist Joint 140mm (5,51in)
– to make T-joint i.c.w. HD/FD44 Sleeve Block

CS1-DC21 – Bold on Twist Joint 210mm (8,27in)
– to make T-joint i.c.w. HD/FD34 Corners



CS1-DCXS
HD / FD Bold on Twist Joint, Slimline
X = 10 / 10,5 / 12 / 14 / 21cm = 3,94 / 4,13 / 4,72 / 5,51 / 8,27in
*usage of slimeline 30mm (1,18in) half coupler side entry

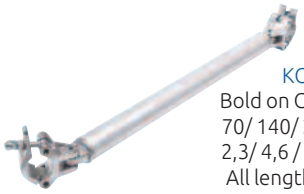
CS1-DC10S – Bold on Twist Joint 100mm / 3,94in
– to make T-joint i.c.w. HD/FD44 Corners

CS1-DC10,5S – Bold on Twist Joint 105mm (4,13in)
– to make T-joint i.c.w. HD/FD34 Corners

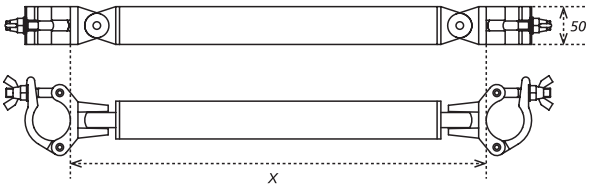
CS1-DC12S – Bold on Twist Joint 120mm (4,72in)
– to make T-joint i.c.w. HD/FD34 Sleeve Block

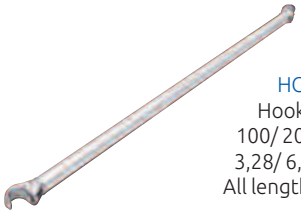
CS1-DC14S – Bold on Twist Joint 140mm (5,51in)
– to make T-joint i.c.w. HD/FD44 Sleeve Block

CS1-DC21S – Bold on Twist Joint 210mm (8,27in)
– to make T-joint i.c.w. HD/FD34 Corners

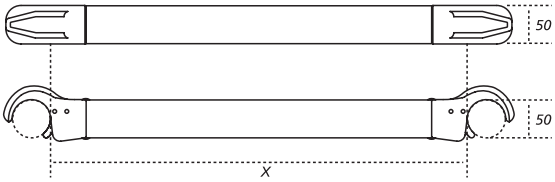


KCKC-X
Bold on Corner Brace
70/ 140/ 200/ 300cm
2,3/ 4,6 / 6,56 / 9,84ft
All lengths available





HCHC-X
Hook on Bar
100/ 200/ 300cm
3,28/ 6,56/ 9,84ft
All lengths available



Bold on Twist Joints

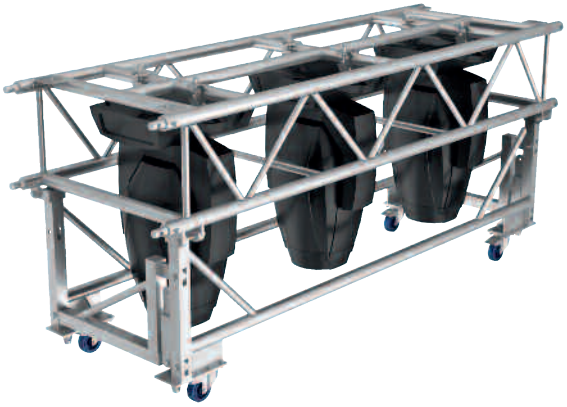
Eurotruss supplies prefixed bold on twist joints which can be used as a T-connection.

The sizes do match with standard T-joints in standard rigs and ground supported rigs. The slime line version has the advantage that it requires less mounting space as sometimes the braces of the attached truss can be in the way.

Stabilizers and Hook on bars

Bold on Corner braces are available in various lengths and required in the Ground Supports and Riggs which exceeds a height of 6m / 19,69ft.

The hook on bar is available in various lengths and with various wall thicknesses.



RTS TRUSS

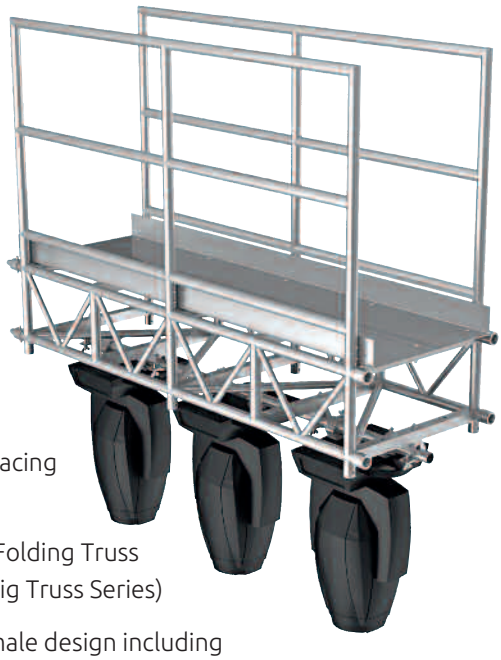
New is the Eurotruss RTS Truss, originally designed as a foldable and stackable truss system which carries the moving heads permanently.

TECHNICAL INFO:

Total dimensions:	400x800mm	Main tube: 50x3mm
Bracing	in **400mm ladders:**	25x3mm bracing
	in **800mm ladders up and bottom:**	50x4mm and 30x3mm straight bracing
Connection:	CS2-CON/TP:	Conical connector and truss pin (standard connection for Eurotruss XD Heavy Duty truss series

LOAD CASES:

Purpose: At a free span of 16 mtrs a UDL of 800kg



CWT TRUSS

New is the Eurotruss CWT Truss, originally designed as a Catwalk Truss but redesigned to a MULTI VERSATILE HEAVY LOAD CATWALK TRUSS.

TECHNICAL INFO:

Total dimensions:	400x800mm	Main tube: 50x4mm
Bracing	in **400mm ladders:**	30x3mm diagonal bracing and 50x3mmm straight bracing
	in **800mm ladders:**	40x3mm diagonal bracing and 50x50x4mm square tube straight bracing
Connection:	CS3-CON/TP:	Conical connector and truss pin (standard connection for Eurotruss Folding Truss and Eurotruss Heavy Duty and Pre Rig Truss Series)
Gable connection:	CS3-HSA:	Gable connection with male and female design including a ½-Connector to stick in the conical connector and transform into a turnable gable connection for horizontal and vertical positioning

LOAD CASES:

Catwalk purpose:	At a free span of 10 mtrs a UDL of 650kg	
Truss purpose:	Upright:	800mm high and 400m wide at a free span of 18 mtrs a UDL of 2.520kg
	Flat:	400mm high and 800m wide at a free span of 18 mtrs a UDL of 900kg

CUSTOM TRUSS

Design & Fabrication of custom applications is one of Eurotruss strongest points. Eurotruss can support with technical design, utilizing the latest graphic software which assure complete 3D concept design drawings for approval.

Eurotruss work closely with third party engineers firms to ensure safety that your design meets standard codes and regulations. No project is too complicated, too large or too small for Eurotruss. Regardless of the size or requirements of your project, Eurotruss can work with you, advise and fabricate a custom design and truss that will meet your needs.

Tower Overview

Overview of Eurotruss⁹ Tower Systems

Tower

Eurotruss has developed a range of various Tower Systems all based on standard truss series. A tower system is a vertical truss with a movable sleeve block for the connection of horizontal beams (rig) with a head section (top part) for electrical / manual chain hoists, on most of the occasions a this involves a basement and a hinge system for erecting the tower.

The big advantage of towers are the movable sleeve blocks which allows you to mount all cables, lighting features etc on the ground and then lift all up by electrical and / or manual chain hoists. This saves a lot of time and assures safe working circumstances. When the complete rig has been lifted in position, the rig can be secured by mounting a safety between the top section and the sleeve block.

All tower elements are well designed and composed to offer maximum flexibility, strength and versatility when using the towers in bridges, ground supported systems and complex outdoor structures like roof systems.

These ground supported towers are available in four types, the HD/FD34 Tower to be used in combination with the HF/FD and XD Series, the TD35 Tower to be used in combination with ST Series, the TD44 Tower and the TD50 Tower to be used in combination with MT, XT, TT and FT100 Series.

A very high demand nowadays is for a single span (Bridge) on two towers to support a LED Screen. A LED Screen has not only a huge self weight but creates also a closed surface which causes big wind forces. Hanging a LED Screen on a single span needs to be recognized as a complex structure to avoid dangerous hazards.

For this reason Eurotruss developed two standard LED Bridges to offer a full safe, engineered system. The LED Bridges are available in TD35 Towers with ST Truss for Screens from 12m² till 24m² (129 till 258 sqft) up to a height of 7,5m (24,61ft) and also for the bigger screens from 28m² till 54m² (301 till 581 sqft) with a height of 10m (32,81ft) the TD44 Tower with TT Truss.

As with the Eurotruss Tower range, the towers can be used up to 20m (65,62ft) height. At this height it is no longer safe and possible to erect the tower by manual force. For this Eurotruss developed the Tower Erecting System which is a simple, fast and easy tool to erect the tower.

Next to the Ground Support Towers Eurotruss offer the stand alone PA Towers. The PA towers are all based on a V-shaped basement in order to have an angled mast to hang the PA cluster in the right position. The PA Towers are available in three types from 700kg till 1200kg (1543 till 2645lbs) centre point load and a height of 7,5m till 13m (24,61 till 42,65ft).

Ground Support Tower Overview

Overview of Eurotruss´ Ground Support Tower Systems

TD Ground Support Towers

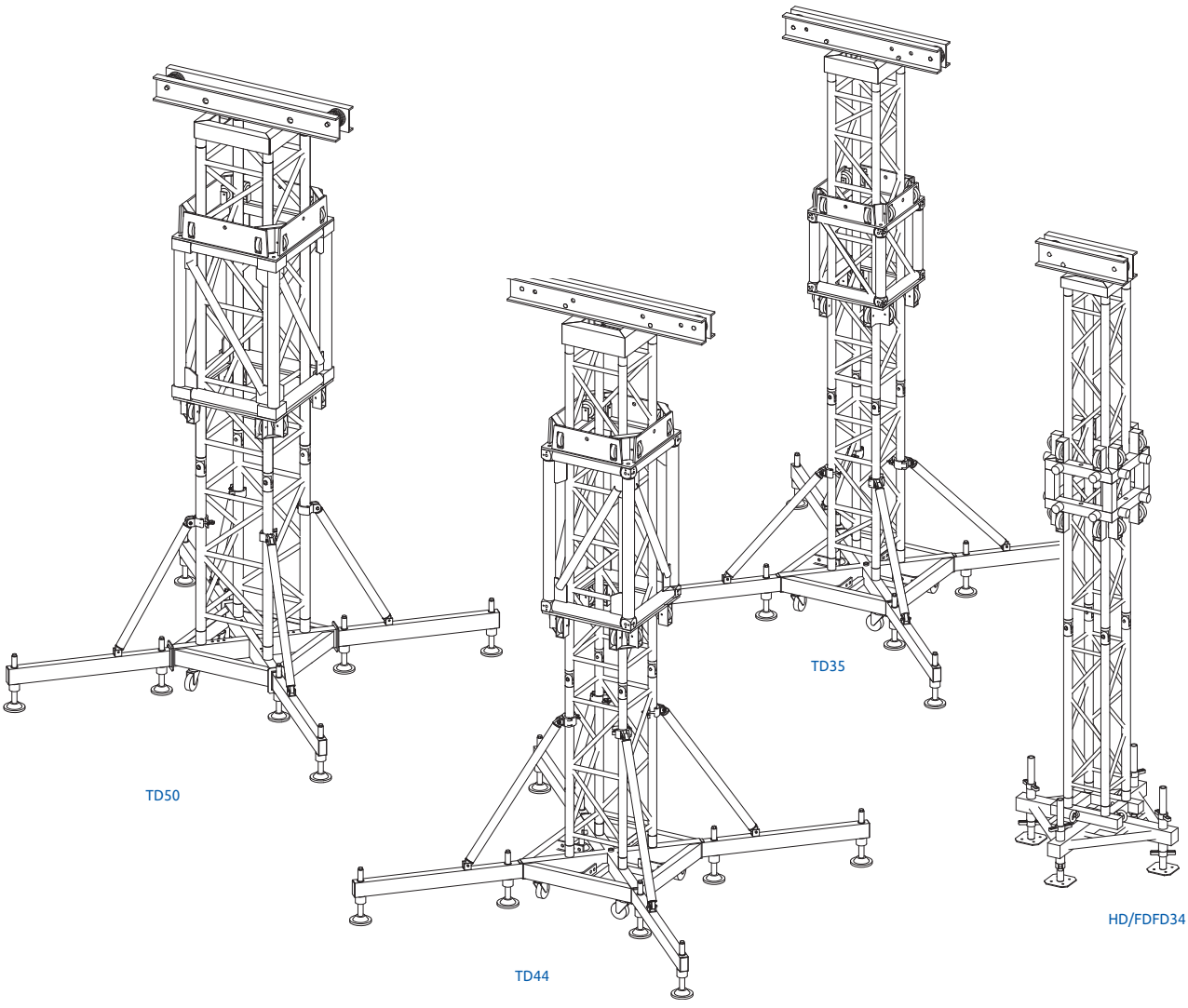
The newly developed TD Tower Truss Series (Mast Sections) are based on the standard truss lengths but with a ladder brace on one side for safe climbing and with thicker tube walls for enhanced vertical load capacity.

The TD Tower Truss can also be used as horizontal beams which give the TD Series a more flexible character which fits perfectly in the Eurotruss Range and its Philosophy.

In the TD Tower Series the following three Tower Systems are available; The TD50 Tower with a maximum height of 20m (65,62ft) and a load capacity of 8.000kg (17637lbs).

The TD44 Tower with a maximum height of 16m (52,49ft) with a load capacity of 3.000kg (6614lbs) and the TD35 Tower with a maximum height of 14m (45,93ft) with a load capacity of 2.000kg (4400lbs).

Naturally the well known HD/FD34 Tower completes the total range of ground support tower systems.



TD50 GROUND SUPPORT TOWER

Max. overall height: 20m 65,62ft
Max. loading capacity: 8t 17637 lbs
Truss sections used: TD50
Sleeveblock: MT, XT, FT100
Self Weight: 130kg / 286 lbs

TD44 GROUND SUPPORT TOWER

Max. overall height: 16m 52,49ft
Max. loading capacity: 3t 6614 lbs
Truss sections used: TD44
Sleeveblock: TT, XT, FT, HD44
Self Weight: 130kg / 286 lbs

TD35 GROUND SUPPORT TOWER

Max. overall height: 14m 45,93ft
Max. loading capacity: 2t 4400 lbs
Truss sections used: TD35
Sleeveblock: ST
Self Weight: 105kg / 231 lbs

HD/FD34 GROUND SUPPORT TOWER

Max. overall height: 12m 36,37ft
Max. loading capacity: 1t 2204 lbs
Truss sections used:HD/FD34
Sleevebl.: HD/FD34+44, XD
Self Weight : 75~165 lbs

Tower Erecting System / LED-Bridge

Overview of Eurotruss´ Tower Erecting System and LED Bridge

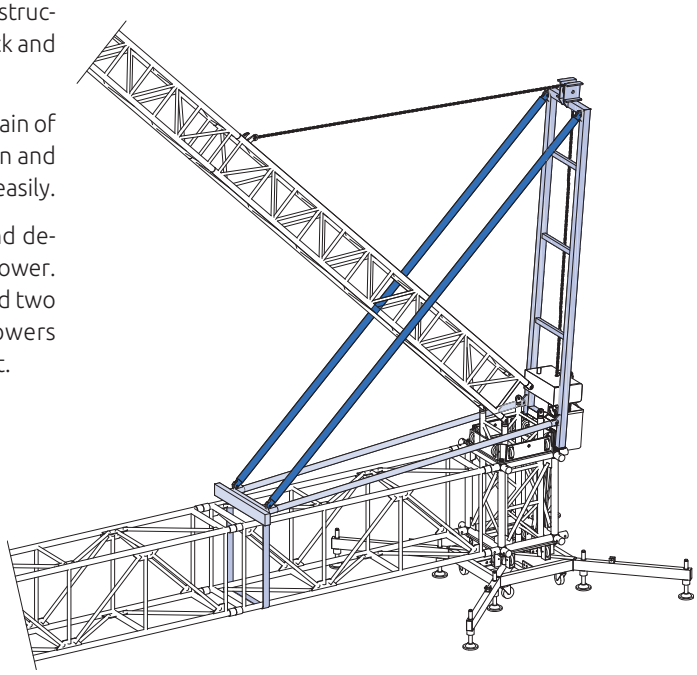
Tower Erecting System

The Eurotruss Tower Erecting System is developed as an additional tower product for the erection of the TD-Tower masts. It is a portable system that can be put up fast and safe. For each System a different Tower Erecting System can erect masts up to various heights.

The Tower Erecting System is constructed as a main frame and several loose tubes to be connected as a triangular shaped construction. The Tower Erecting System is placed on the sleeve block and on the truss which is fixed with the help of ratchet straps.

The main frame has a pulley at the top, through which the chain of the hoist is guided. By attaching the hoist to the base section and the hook of the chain to the mast the tower can be erected easily.

In general the Tower Erecting System is easy to mount and demount: Including erecting a tower it takes 20 minutes per tower. For each Tower Erecting System one rigging hoist (1 Ton) and two sets of ratchet straps are necessary. A necessity for all towers being erected over 10 to 12 meters (32,81 to 39,37ft) height.



- TES50 Tower Erecting System
  for TD50 Tower & MT / TT / XT Main Rig
- TES44-1 Tower Erecting System
  for TD44 Tower & TT / XT Main Rig
- TES44-2 Tower Erecting System
  for TD44 Tower & FT Main Rig
- TES35 Tower Erecting System
  for TD35 Tower & ST Main Rig

*Tower Erecting Systems for TD44/ TD50 Towers & Folding Truss Main Rigs on request

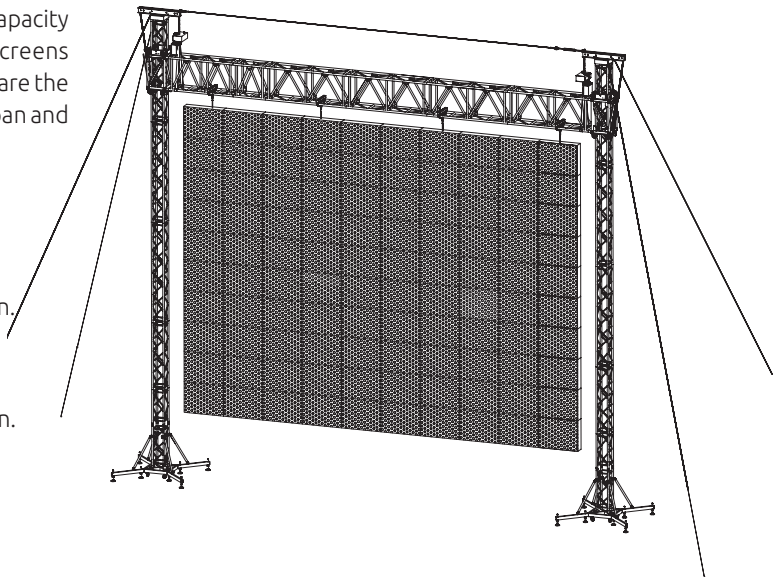
*The TES is exclusive of rigging hoists and ratchet straps.

LED Bridge

More and more LED Screens are being used in all kind of events. Not only LED Screens are being used at concerts nowadays but at all kind of events and promotional activities. LED Screens have a huge self weight hung on a few point loads and have a large closed surface. In the outdoor venues due to huge wind forces and multi point loads it is extremely important to choose the right system which can facilitate these forces.

Eurotruss has developed two standard LED Bridges. Each LED Bridge is a two tower system of which the size and load capacity match all the requirements for standard available LED Screens from 12m² till 54m² (129 till 581 sqft). These tower systems are the standard Eurotruss Towers TD44 with TT horizontal truss span and TD35 with ST horizontal truss span.

Standard components in the towers and standard truss lengths make these LED bridges extremely profitable and no special truss construction is required.



- LED-BR-01 LED Bridge: TD35 Towers and ST Truss Span. For LED Screens from 12m² till 24m² (129 till 258 sqft) with a maximum load of 1800kg (3968lbs).
- LED-BR-02 LED Bridge: TD44 Towers and TT Truss Span. For LED Screens from 28m² till 54m² (301 till 581 sqft) with a maximum load of 4050kg (8928lbs).

*The LED Bridges are exclusive of rigging hoists
**For each LED Bridge a Structural Report is available.

PA Tower – Overview

Overview of Eurotruss´ PA Tower Systems

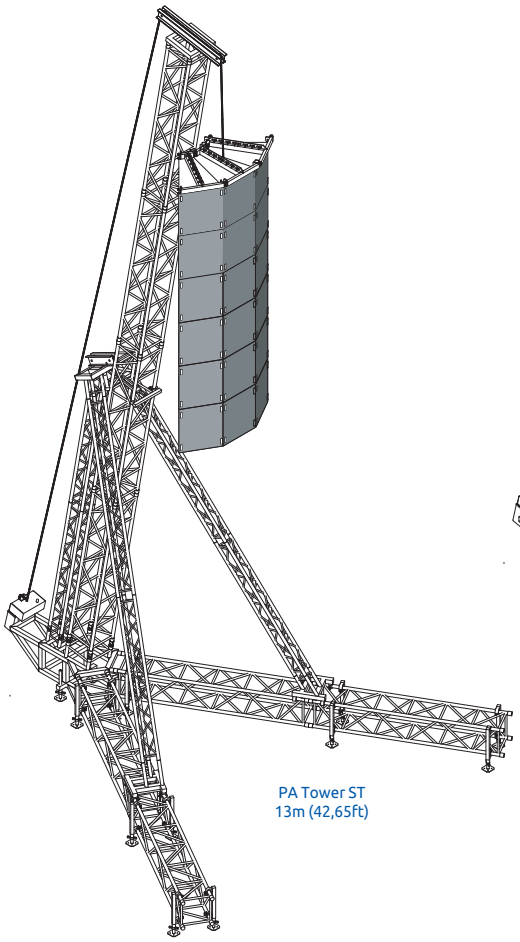
PA Towers

The Eurotruss PA Towers are in principal stand alone towers to erect and support big PA Clusters or Screens at a given optimum height. The PA Towers are all designed and calculated to perform in the outdoor scene.

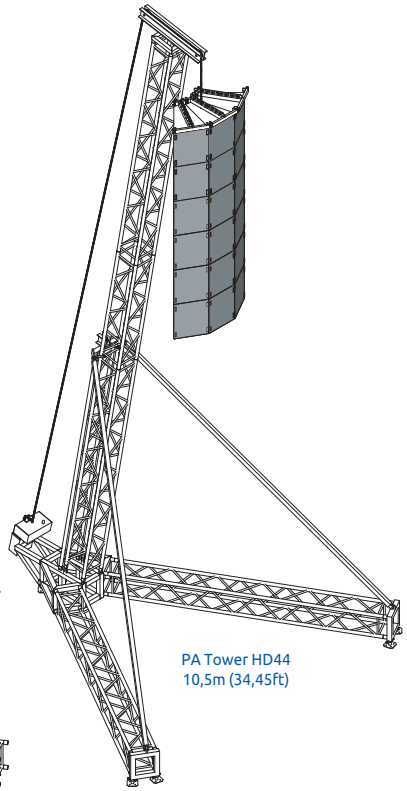
For each PA size and self weight, Eurotruss offers a matching PA Tower solution which is easy and safe to set up, self erecting PA and cost and space effective.

The design of the PA Towers are all based on the V-shaped basement to have an angled mast to hang the PA Cluster in the right position. Each PA Tower requires ballast depending on the self weight and size of the PA Cluster. A structural report for each of the PA Towers is available.

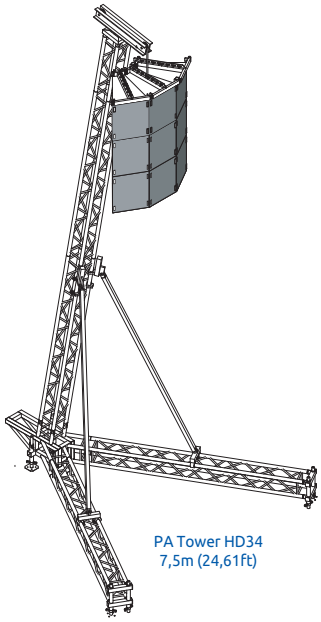
Eurotruss carries three PA Tower Systems from 700 kg till 1200 kg (1543 till 2645lbs) load with a height of 7,5m till 13m (24,61 to 42,65ft).



PA Tower ST
13m (42,65ft)



PA Tower HD44
10,5m (34,45ft)



PA Tower HD34
7,5m (24,61ft)

PA TOWER ST	
Max. overall height :	13,28m (43,57ft)
Max. lifting height:	13,00m (42,65ft)
Max. loading capacity:	1.2t (2645lbs)
Necessary Ballast:	1.240kg (2733lbs)
Max. windspeed	8Bft – 70km/h
Max. surface frontload:	7,5m² (75 sqft)
Max. surface sideload:	5,5m² (53 sqft)
Truss sections used:	ST, FD/HD33
Groundarea length:	7,65m (25,1ft)
Groundarea width:	6,98m (22,9ft)

PA TOWER HD44	
Max. overall height :	10,84m (35,65ft)
Max. lifting height:	10,50m (34,45ft)
Max. loading capacity:	800kg (1763lbs)
Necessary Ballast:	500kg (1102lbs)
Max. windspeed	8Bft – 70km/h
Max. surface frontload:	4,5m² (43 sqft)
Max. surface sideload:	3,3m² (32 sqft)
Truss sections used:	HD44
Groundarea length:	5,01m (16,44ft)
Groundarea width:	5,42m (17,78ft)

PA TOWER HD34	
Max. overall height :	7,94m (26,05ft)
Max. lifting height:	7,50m (24,61)
Max. loading capacity:	700kg (1543lbs)
Necessary Ballast:	510kg (1124lbs)
Max. windspeed	8Bft – 70km/h
Max. surface frontload:	7,5m² (75 sqft)
Max. surface sideload:	5,5m² (53 sqft)
Truss sections used:	HD34
Groundarea length:	7,65m (25,1ft)
Groundarea width:	6,98m (22,9ft)

TD50 GROUND SUPPORT TOWER

The heavy duty 50cm (20,08in) for ground supported MT, TT, XT, FT100 and Roofs

Heavy Duty – for all Trusses

Eurotruss adds to the existing TD35 and TD44, the TD50 Tower System.

The TD50 Tower is designed for extreme heights and high loads. The TD50 Tower System in combination with MT / TT / XT can go up 20 meters (65,52ft) and handles 8000kg (17637lbs). The TD50 Tower is the standard Tower System for the new MT Roof.

Top Section:

A two Ton double chain hoist Top Part with 4 wheels for high load bearing.

The Top Part has integrated pick up points for »dead hanging«.

Tower Truss:

The mast sections have dimensions of 510x510mm (20,08x20,08in. The main tube is 60x 5mm (2,36 x 0,2in) and the braces are 30x3 mm (1,18 x 0,12in).

One side has additional ladder braces (40mm /1,57in) for easy and safe climbing.

Hinge Set:

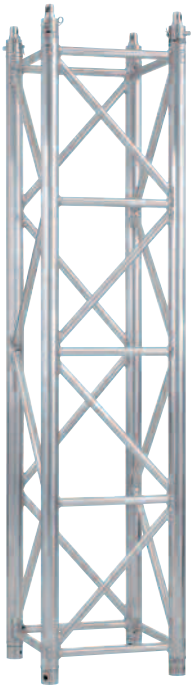
A strong and cost effective solution to erect the TD50 Tower.

The hinge sets are half connectors with a hinge fork which allow high vertical load. 4 Hinges are required per tower.

Top Section

TOP50-1

Tower Truss



TD50-L*

Hinge Set

CS0-HS L/R

STAB-03
Stabilizer Bar

Base:

BASE-03
Steel Base on wheels

OUTR-S03
Short Outrigger

OUTR-L03
Long Outrigger

TD50 GS Tower – facts

Max. Height:	20m / 65,62ft
Max Loading:	8000 kg / 17.637 lbs
Tower Truss:	TD50
Sleeve Block:	MT, TT, XT and FT100
Self Weight:	130 kg / 286,6 lbs

MT Sleeve Block

BLK-SB-MT
MT Sleeve Block

CS4-Scon
Receiver MT Truss

TT Sleeve Block:

SL-AD-TTH
Sleeveplate Up

SL-SLAD-FT100
FT100 Adapter
for FT100 Cornerblock

BLK-SB-TT
TT Cornerblock-Sleeve

SL-AD-TT
Sleeveplate Down

CS3-BOB85
Receiver 85mm (3,35in)*

Sleeve Block:

The sleeve block is a fixed MT Block or a TT / XT Corner Block with usage of 2 bolted sleeve plates.

These blocks make it possible to fit the TT/XT/FT100 Truss to all 4 sides by using bolted receivers. The upper plate is equipped with an integrated pick up point.

Base System:

A Steel Base on wheels with short or long outriggers in combination with stabilizer bars.

Outriggers:

Available Outriggers for TD50 Base:

OUTR-S03	Short Outrigger
OUTR-L03	Long Outrigger
STAB-03	Stabilizer Bar for Long Outrigger

TD44 GROUND SUPPORT TOWER

The heavy duty 40cm (15,75in) for ground supported TT, XT, FT and Roofs

The Tower for most Trusses

The TD44 Tower makes for an excellent vertical truss that allows the safe, quick lifting of regularly loaded horizontal HD/ FD44, FT, XT and TT Truss Rig and Roofs to their service height.

In terms of static, the TD44 Tower is designed for a high flexural- and pressure strain. Especially due to a roof this high, flexural strain is required.

Top Section:

A new multifunctional top part for use of manual chain hoist as well as motorized hoist has been redesigned and built stronger.

Tower Truss:

TD44 Tower Truss is a square 40cm (1,31ft) heavy duty truss with one on side integrated horizontal bracing for safe and easy climbing.

Naturally this TD44 Truss has been made according DIN 4113 and approved by TuV.

Hinge Set:

A strong, safe and cost effective solution to erect the TD44 Tower.

The hinge sets are 100mm (3,94in) long. Those half connectors with a hinge fork allow a very high vertical load. 4 Hinge sets (2 left and 2 right) are required per tower.

TD44 GS Tower – facts

Max. Height: 16m / 52,49ft

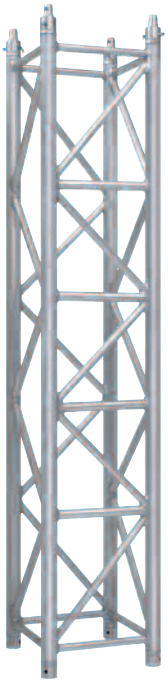
Max Loading: 2000kg (4409 lbs)
Tower Truss: TD44
Sleeve Block: TT, XT, FT100, HD44

Self Weight: 130kg (286,6lbs)

Top Section

TOP44-01

Tower Truss



TD44-L***

XT Sleeve Block

SL-AD-XTH
Sleeveplate Up

BLK-SB-XT
XT Cornerblock-Sleeve

SL-AD-XT
Sleeveplate Down

CS3-BOB85
Receiver 85mm (3,35in)*

TT Sleeve Block:

SL-AD-TTH
Sleeveplate Up

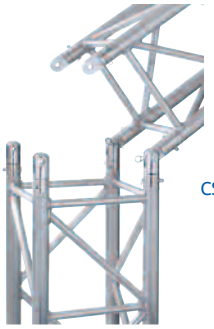
SL-SLAD-FT100
FT100 Adapter
for FT100 Cornerblock

BLK-SB-TT
TT Cornerblock-Sleeve

SL-AD-TT
Sleeveplate Down

CS3-BOB85
Receiver 85mm (3,35in)*

Hinge Set



CS1-HS L/R

Base:

BASE-02

OUTR-S02
Short Outrigger

STAB-02
Stabilizer

OUTR-L02
Long Outrigger

Sleeve Block:

Standard sized XT and TT corner blocks with usage of 2 bolted sleeve plates guarantees a perfect geometric rig.

These blocks make it possible to fit the TT / XT / FT100 Truss to all four sides by using bolted receivers.

The upper sleeve plate is equipped with an integrated hanging point.

The standard HD/FD44 sleeve blocks have predestined welded receivers on 3 sides.

Base:

Steel Base on wheels available with short outriggers and long outriggers in combination with stabilizer bars.

TD35 GROUND SUPPORT TOWER

The heavy duty 35cm (13,78in) Tower for ground supported ST and Roofs

The ST Support Tower

The TD35 Tower makes for an excellent vertical truss that allows the safe, quick lifting of regularly loaded horizontal ST Truss Rig and Roofs to their service height.

In terms of static, the TD35 Tower is designed for a high flexural- and pressure strain.

Especially due to the roofs this high flexural strain is required.

Top Section:

A new multifunctional top part for use of manual chain hoist as well as motorized hoist has been redesigned and built stronger.

Tower Truss:

TD35 Tower Truss is a square 35cm (13,78in) heavy duty truss with one on side integrated horizontal bracing for safe and easy climbing.

Naturally this TD35 Truss has been made according DIN 4113 and approved by TuV.

Hinge Set:

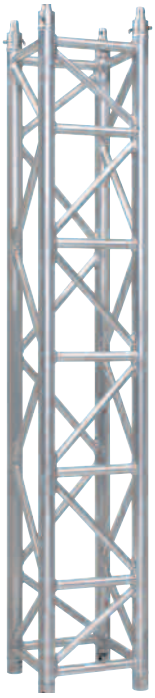
A strong, safe and cost effective solution to erect the TD35 Tower. The hinge sets are 100mm (3,94in) long.

Those half connectors with a hinge fork allow a very high vertical load.4 Hinge sets (2 left and 2 right) are required per tower.

Top Section

TOP35-1

Tower Truss

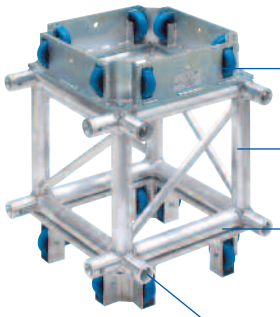


TD35-L**

TD35 GS Tower – facts

Max. Height:	14m (45,93ft)
Max Loading:	2000kg (4409lbs)
Tower Truss:	TD35
Sleeve Block:	ST
Self Weight:	105 kg (231,5lbs)

ST Sleeve Block



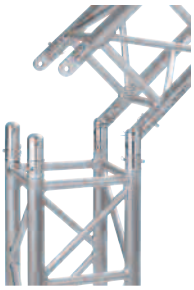
SL-AD-STH
Sleeveplate Up

BLK-SB-ST
ST Cornerblock-Sleeve

SL-AD-ST
Sleeveplate Down

CS3-BOB85
Receiver 85mm (3,35in)*

Hinge Set



CS1-HS L/R

Base:

BASE-02

OUTR-S02
Short Outrigger

STAB-02
Stabilizer

OUTR-L02
Long Outrigger

Sleeve Block:

Standard sized ST corner block with the usage of 2 bolted sleeve plates guarantees a perfect geometric rig.

These blocks make it possible to fit the ST Truss to all four sides by using bolted receivers.

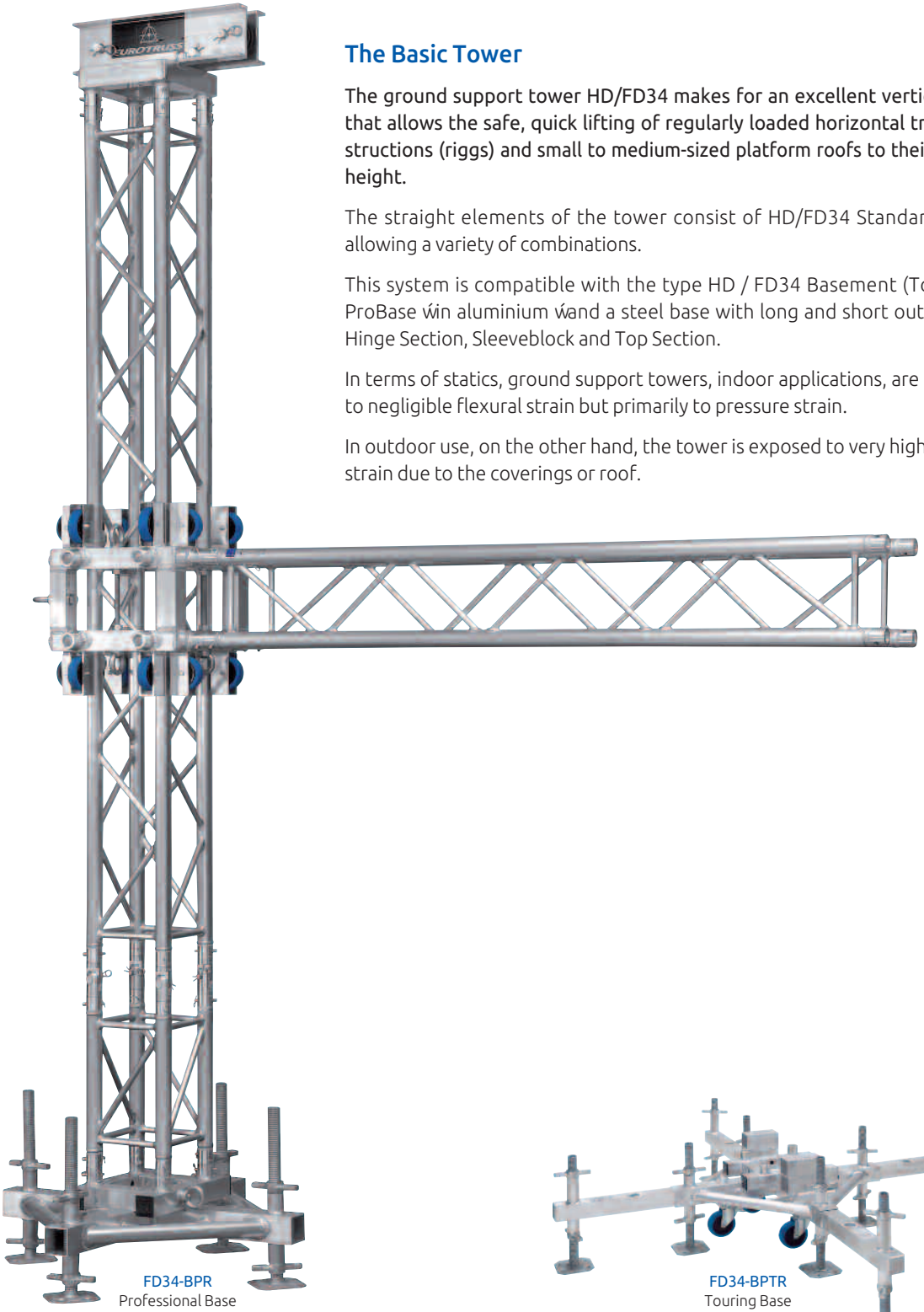
The upper sleeve plate is equipped with an integrated hanging point.

Base:

Steel Base on wheels available with short outriggers and long outriggers in combination with stabilizer bars.

HD/FD34 GROUND SUPPORT TOWER

The basic 30cm (11,42in) Tower for ground supported HD/FD44, HD/FD34, XD and Roofs



FD34-BPR
Professional Base

The Basic Tower

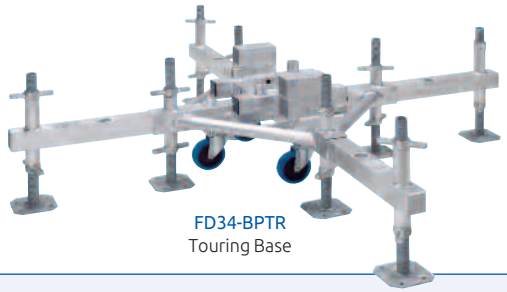
The ground support tower HD/FD34 makes for an excellent vertical truss that allows the safe, quick lifting of regularly loaded horizontal truss constructions (riggs) and small to medium-sized platform roofs to their service height.

The straight elements of the tower consist of HD/FD34 Standard Truss, allowing a variety of combinations.

This system is compatible with the type HD / FD34 Basement (Touring & ProBase with aluminium wand a steel base with long and short outriggers), Hinge Section, Sleeveblock and Top Section.

In terms of statics, ground support towers, indoor applications, are exposed to negligible flexural strain but primarily to pressure strain.

In outdoor use, on the other hand, the tower is exposed to very high flexural strain due to the coverings or roof.



FD34-BPTR
Touring Base

Top Sections:

FD34 Top Sections are available for manual or electrical chain hoist.

(Recommendation: always use a safety cable (between top section and sleeve block)

Sleeveblocks:

FD34 Sleeves are available with various attachments and suitable for several truss types, strong and safe with perfect chosen dimensions to combine standard truss elements.

Hinge Set:

A strong, safe and cost effective solution to erect the HD/FD34 GS Tower.

The hinge sets are 100mm (3,94in) long. Those half connectors with a hinge fork allow a very high vertical load. 4 Hinge sets (2 left and 2 right) are required per tower.

FD34 GS Tower – facts

Max. Height:	12m (39,37ft)
Max Loading:	1000kg (2204lbs)
Tower Truss:	HD/FD34
Sleeve Block:	XD, HD/FD34
Self Weight:	65~85kg (143~187lbs)

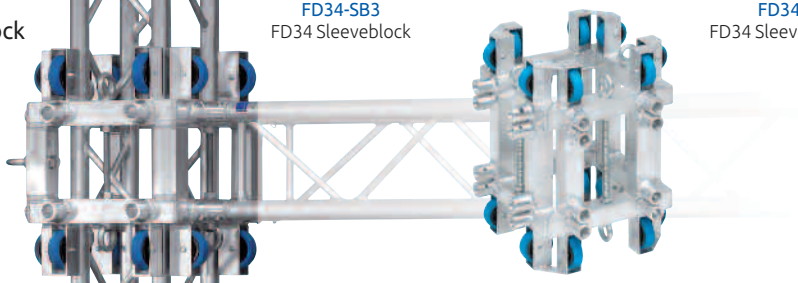
Top Section

TOP34-CH1
Top Part for Motors

TOP34-MH
Top Part for
manual chain hoist

Sleeveblock

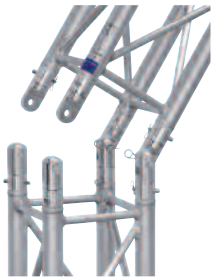
FD34-SB3
FD34 Sleeveblock



FD34-SB3-XD/C
FD34 Sleeveblock XD / FD34

Hinge Set

CS1-HS L/R
Hinge Set

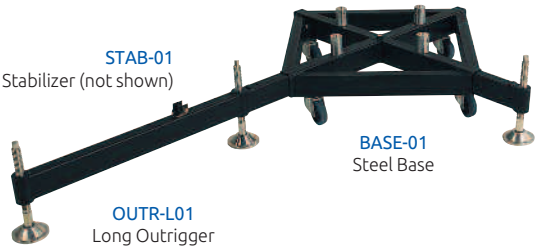


Base

BASE-01
Steel Base

OUTR-S01
Short Outrigger

STAB-01
Stabilizer (not shown)



BASE-01
Steel Base

OUTR-L01
Long Outrigger

Bases:

FD34 Touring base is identical to the professional base but with integrated short outriggers (4 per Touring Base).

FD34 Steel base on wheels available with short outriggers or long outriggers in combination with stabilizer bars.

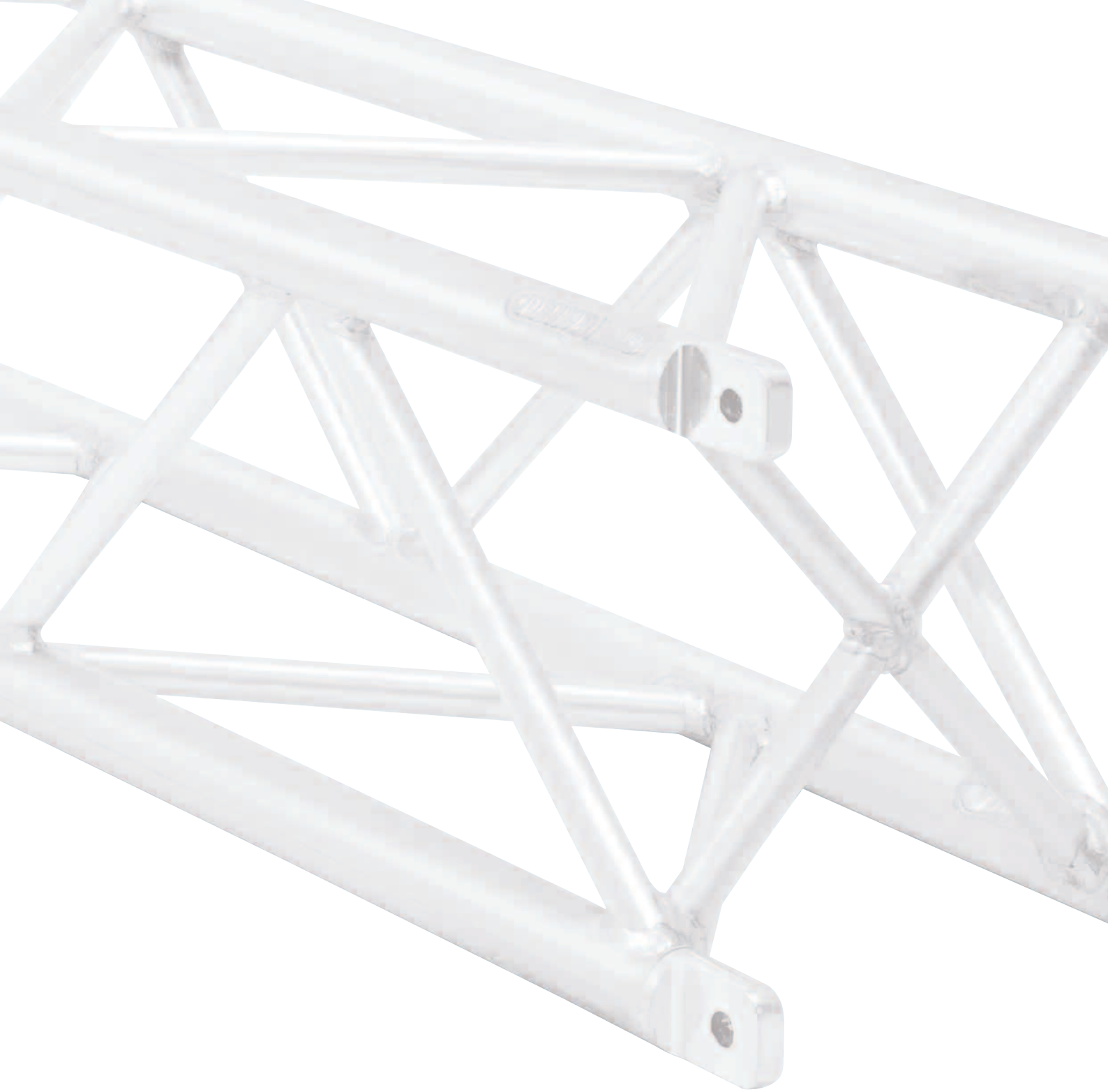
Outriggers:

The outriggers are available in short outriggers and long outriggers in combination with stabilizer bars and it depends on the purpose when which to use. At Outdoor Ground Supports, Roofs, Bridges or High Indoor Ground Supports the usage of long outriggers are to be advised.

Accessories:

Next to the standard parts Eurotruss supply additional accessories, which can be demanded for different usage.

For stability Eurotruss carries three different outriggers. To obtain more stability in the rig, bold on cornerbraces are available.



Fork Maxi

Maxi Beam Truss

Fork Heavy

Nova Beam Truss • GS Square Truss • Mini Beam Truss

Tower

GS Fork Tower

Fork Accessories

Plates • Pins & Clips

Fork End Truss Systems

SYSTEM OVERVIEW FORK END TRUSS

General overview of the Eurotruss Fork End Truss

WHICH TRUSS FOR WHICH PURPOSE ?

This overview categorizes all the various Fork End truss series all well known for their rigidity and high load bearing capacity. Each truss series has its own unique specifications and purpose but all with the same fork connection system.

In the range of the Fork End truss systems we list two major Series, Maxi and Heavy Truss. Naturally Eurotruss carries a range of circles (<not shown>) and accessories which you will find in this catalogue.

TUV APPROVAL

Eurotruss Aluminium Fork End Truss Series have also the TuV Approval (Bau Art Prufung). All given load charts are fully approved by the TuV and all truss series are made according the DIN 4113 specifications by the TuV.

LABELLING

Each trussing manufacturer should take responsibility for its responsibility and its duty to inform the user about the characteristics of that specific product.

Eurotruss has always used labels which contain all the information necessary. Each product range has its own label and can bedistinguished by its colour. The label of the Fork End Truss Systems is Red.

THE ORIGINAL

As the Eurotruss Fork End Truss Systems are being manufactured under license of and according the specifications of Slick, the MBX, NV, GS and MB Trussing is to be regarded as the original.

New is the fact that Eurotruss have upgraded the Eurotruss Fork End Trussing System by welded slots in stead of the roll pins which will make the truss not only stronger but by replacing the spring roll also safer and less to worry about.

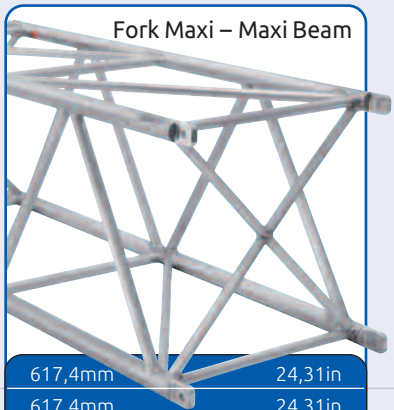
Always check for its original mark and make sure that you only with an AUTHENTIC Eurotruss Product.

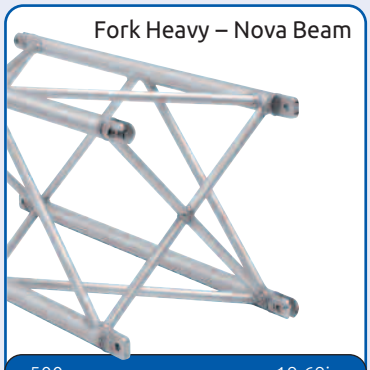
FORK END TRUSSING BY EUROTRUSS

The Fork End Truss system is capable of bearing high loads on long free spans.

The dimensions, the aluminium tubes with massive wall thickness and the welded slots to fixate the fork (male/female) receiver make the Eurotruss Fork End Truss the best truss available.

Its durability guarantees a high return of investment. The Fork End Truss series are made according the TuV specifications.





	Fork Maxi – Maxi Beam		Fork Heavy – Nova Beam	
Height:	617,4mm	24,31in	500mm	19,69in
Width:	617,4mm	24,31in	500mm	19,69in
Weight:	~12,5kg/m	~8,4lbs/ft	~15,5 kg/m	~10,4 lbs/ft
Main Tube:	48,4 x 4,47mm	2,36 x 0,18in	48,4 x 4,47mm	2,36 x 0,18in
Braces:	30 (25) x 3mm	1,18 (0,98) x 0,12in	25 x 3mm	0,98 x 0,12in
Material:	EN AW-6082 T6		EN AW-6082 T6	
Connection:	GP+R3		GP+R3	

SYSTEM OVERVIEW FORK END TRUSS

General overview of the Eurotruss Fork End Truss

MAXI TRUSS

MAXI BEAM: Up to 26 meters (85ft) with an impressive load bearing capacity. On 26m UDL: 1274 kg (85ft / UDL: 2803 lbs). The square fork end truss of 617mm (24,31in square) which is still recognized as the standard fork end truss at rental companies worldwide.

HEAVY TRUSS

NOVA BEAM: Up to 24 meters (79ft) with a high wear resistance and superior load bearing capacity. On 18m UDL: 1250 kg (59ft / UDL: 2750 lbs). The square fork end truss of 500mm (19,69in square) with impressive result.

GS: Up to 24 meters (79ft) with a high load bearing capacity. The standard fork end truss for touring, corporate and installation companies. The GS truss is also the tower truss in ground support systems for GS and or Maxi Beam truss main rig.

MINI BEAM: Is an extremely compact, heavy duty trussing system which is mainly used in indoor applications. Despite its compact size of 347,4 x 255,9mm (13,7 x 10in) an impressive load at 24m (79ft) span of 696kg (1531 lbs).

TOWER TRUSS

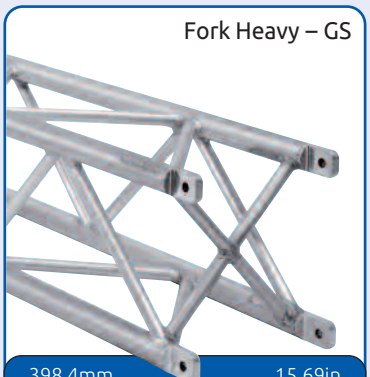
GS: GS Truss used in 2 ton tower applications which can be made into a self climbing tower with the addition of a purpose built steel base unit, head block and a variety of sleeve blocks for attaching GS and Maxi Beam truss.

HEAVY TRUSS

The Heavy Truss system is capable of bearing high loads on long free spans.

The dimensions, the aluminium tubes with massive wall thickness and the welded slots to fixate the fork (male/female) receiver make the Eurotruss Fork End Truss the best truss available

The truss series are made according the TuV specifications and made with the fast connection system.



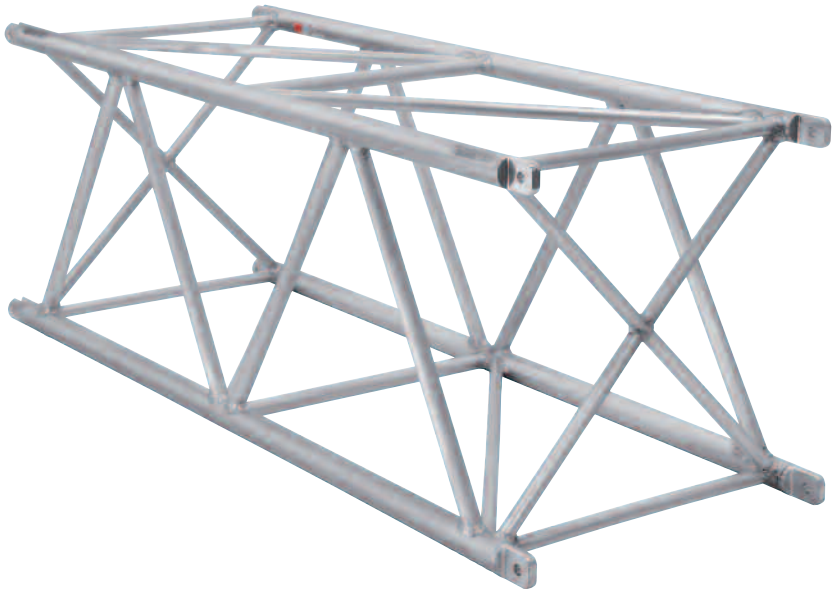
	Fork Heavy – GS		Fork Heavy – Mini Beam	
Height:	398,4mm	15,69in	348mm	24,31in
Width:	398,4mm	15,69in	255,5mm	24,31in
Weight:	~10,5kg/m	~7lbs/ft	~10,5kg/m	~7lbs/ft
Main Tube:	48,4 x 4,47mm	2,36 x 0,18in	48,4 x 4,47mm	2,36 x 0,18in
Braces:	25 x 3mm	0,98 x 0,12in	25 x 3mm	0,98 x 0,12in
Material:	EN AW-6082 T6		EN AW-6082 T6	
Connection:	GP+R3		GP+R3	

Fork Maxi – Maxi Beam Square Truss

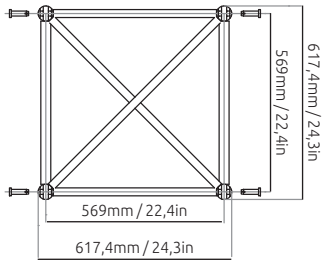
The fork end truss system for touring and installation

Maxi Beam Square Truss

- 4,47mm (0,18in) wall thickness of 48,4mm (2,36in) main tube
- High stability aluminium alloy
- Highest standard TuV approved
- High wear resistance
- Welded slots
- Cross Braces



Dimensions Maxi Beam



Maxi Beam Square Truss

Maxi Beam is a heavy square duty truss, purpose designed and built to meet the rigorous requirements of touring and situations where fast and easy erection and dismantling is essential.

Maxi Beam is a heavy square duty truss, purpose designed and built to meet the rigorous requirements of touring and situations where fast and easy erection and dismantling is essential.

It is a 617,4mm (24,3in) square truss and comes in metric and feet lengths and uses the original fork end fitting joints for ease of construction. Maxi Beam is manufactured from high grade aluminium alloy and is engineered to conform to the latest EN and DIN standards.

Maxi Beam can be used in a ground support situation using GS 2 ton towers along with the use of a GS/ Maxi Beam sleeve block.

Measurements Maxi Beam Square Truss

	Size in cm	Size in inch
Main tube:	**48,4 x 4,47mm**	**2,36 x 0,18in**
Braces:	30 (25) x 3mm	1,18 (0,98) x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	GP+R3	GP+R3
Weight:	~12,5kg/m	~8,4lbs/ft

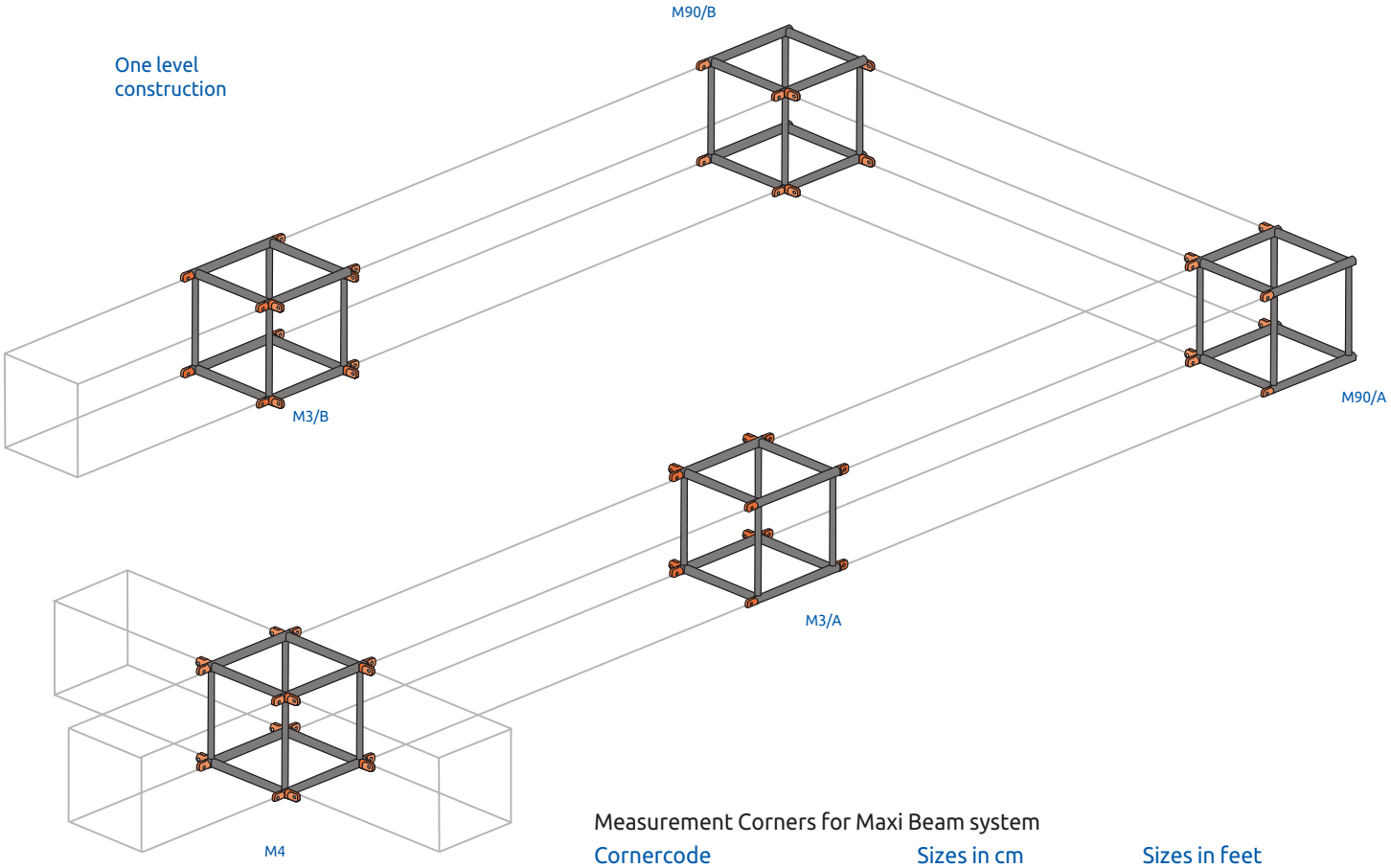
*4 pcs.required for one attachment

Fork Maxi – Maxi Beam Square Truss

One level constructions – Maxi Beam corners

Maxi Beam truss construction

The Maxi Beam structures on one level allows various structural shapes by using corners and tees as well as using crosses.



Measurement Corners for Maxi Beam system

Cornercode	Sizes in cm	Sizes in feet
M90/A – 2 Way 90 dgr/ A	64,3 x 64,3	2,11 x 2,11
M90/B – 2 Way 90 dgr/ B	64,3 x 64,3	2,11 x 2,11
M3/A – 3 Way T-joint/ A	71,8 x 64,3	2,36 x 2,11
M3/B – 3 Way T-joint/ B	71,8 x 64,3	2,36 x 2,11
M4 – 4-Way X-joint	71,8 x 71,8	2,36 x 2,36

Loadcases Maxi Beam Square Truss

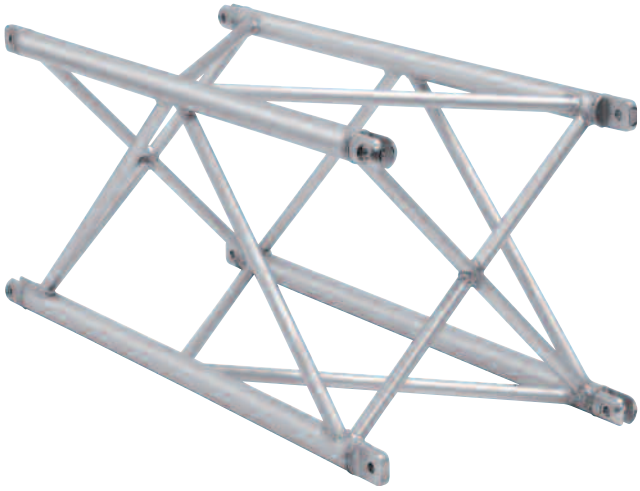
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	26	85,28
CPL in	kg l lbs	1833	4033	1341	2950	1175	2585	1032	2270	809	1780	639	1406
Deflection in	mm l inch	28	1,12	59	2,36	78	3,12	100	4	125	5	215	8,6
UDL in	kg/mtr l lbs/ft	403	271	200	134	150	101	116	78	74	50	49	33
Deflection	mm l inch	38	1,52	74	2,96	97	3,88	122	4,88	151	6,04	256	10,24

Fork Heavy – Nova Beam Square Truss

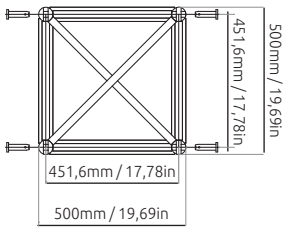
The fork end truss system for touring and installation

Nova Beam Truss

- 4,47mm (0,18in) wall thickness of 48,4mm (2,36in) main tube
- High stability aluminium alloy
- Highest standard:TUEV-approved
- High wear resistance
- Welded slots
- Cross Braces



Dimensions Nova Beam



Nova Beam Square Truss

Nova Beam is a heavy square duty truss, purpose designed and built to meet the rigorous requirements of touring and situations where fast and easy erection and dismantling is essential.

Nova Beam is a heavy square duty truss, purpose designed and built to meet the rigorous requirements of touring and situations where fast and easy erection and dismantling is essential.

It is a 500mm (1,64ft) square truss and comes in metric and feet lengths and uses the original fork end fitting joints for ease of construction. Nova Beam is manufactured from high grade aluminium alloy and is engineered to conform to the latest EN and DIN standards.

The Nova Beam Range comes complete with all the usual corners, swivels and hinges and in combination with the GS Truss Tower Nova Beam Truss is ideal for ground supported installations.

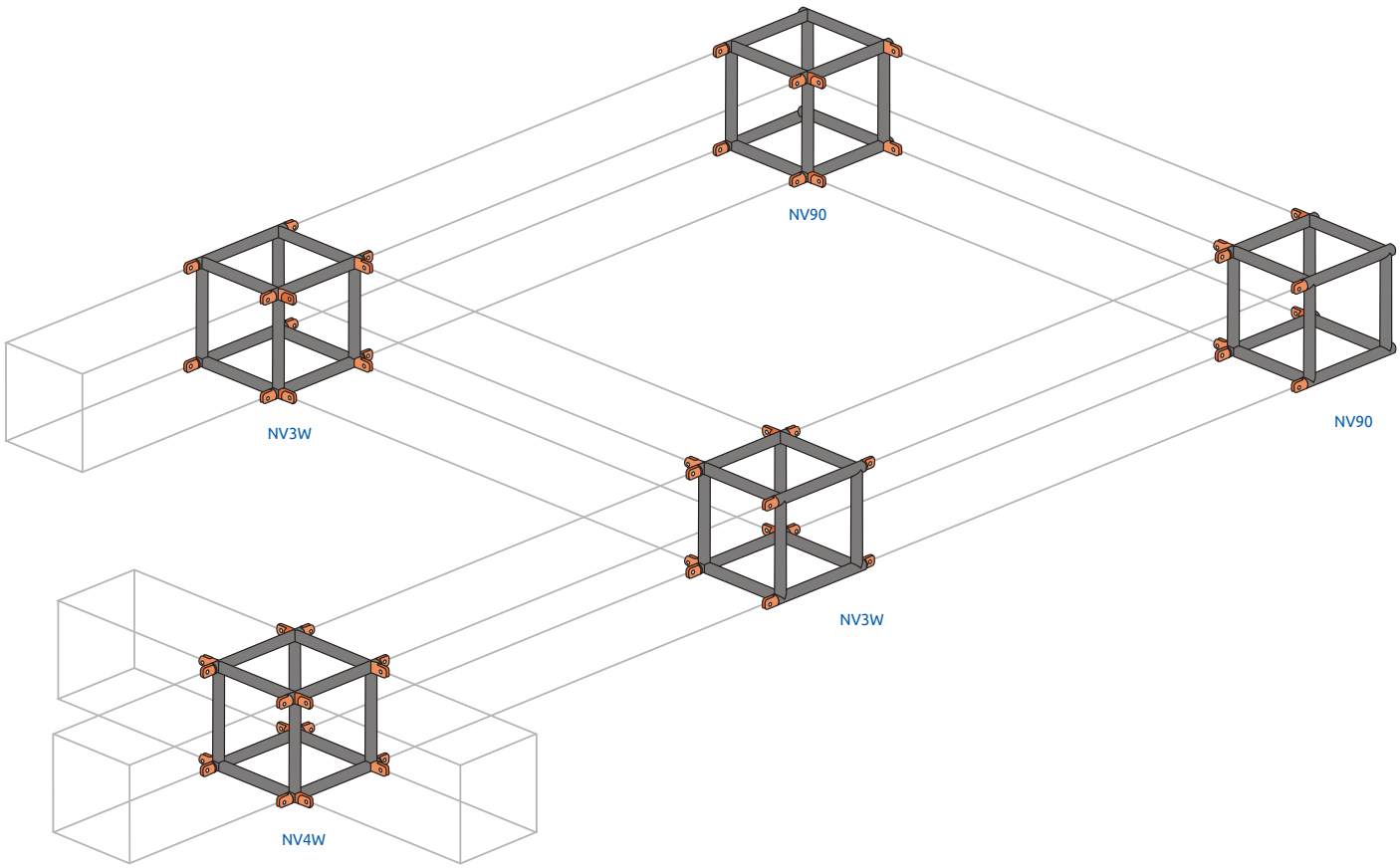
Measurements Nova Beam Square Truss

	Size in cm	Size in inch
Main tube:	48,4 x 4,47mm	2,36 x 0,18in
Braces:	25x 3mm	0,98 x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	GP+R3	GP+R3
Weight:	~15,5kg/m	~10,4lbs/ft

Nova Beam construction

The Nova Beam has an unique fork end fitting arrangement, making the system more flexble and interchangable reducing the requirement for large quantities of corner blocks in your inventory.

One level construction



One level construction Nova Beam

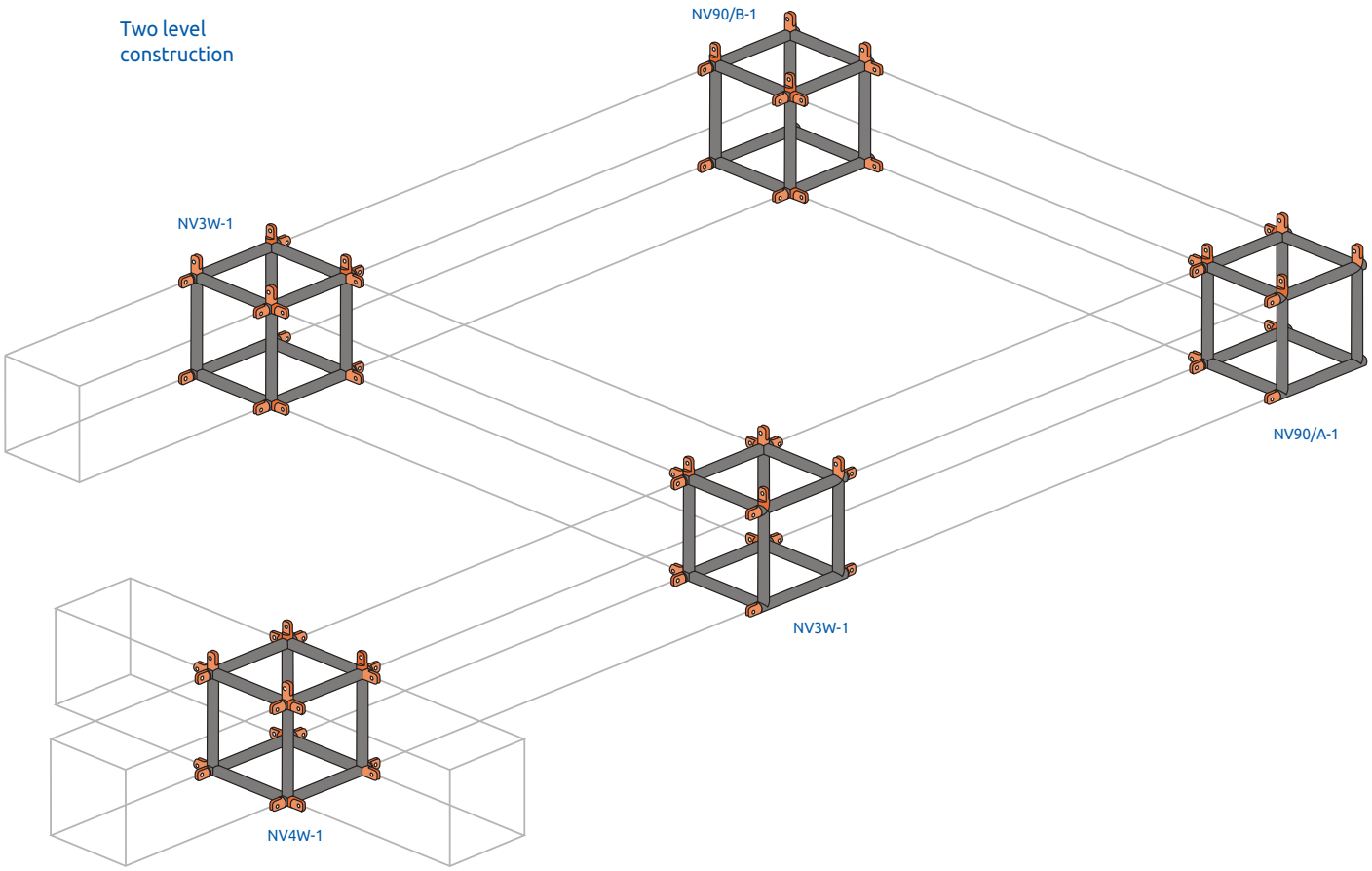
Cornercode	Sizes in cm	Sizes in feet
NV90 – 2 Way 90 dgr	52,6 x 52,6	1,72 x 1,72
NV2W – 2-Way Straight Through Corner	60,0 x 45,2	1,97 x 1,48
NV3W – 3 Way T-joint	60,0 x 52,6	1,97 x 1,72
NV4W – 4 Way X-joint	60,0 x 60,0	1,97 x 1,97

Loadcases Nova Beam Square Truss

	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1291	2840	871	1916	734	1615	633	1393	499	1098	430	946
Deflection in	mm l inch	32	1,28	63	2,52	83	3,32	106	4,24	133	5,32	212	8,48
UDL in	kg/mtr l lbs/ft	258	173	124	84	92	62	72	48	59	40	43	29
Deflection	mm l inch	40	1,6	79	3,16	103	4,12	130	5,2	161	6,44	256	10,24

Fork Heavy – Nova Beam Square Truss

More level constructions – Nova Beam corners



Two level construction Nova Beam

Cornercode	Sizes in cm	Sizes in feet
NV90-1 – 3 Way 90 dgr + One Face	52,6 x 52,6 x 52,6	1,72 x 1,72 x 1,72
NV2W-1 – 3-Way Straight Through Corner + One Face	60,0 x 45,2 x 52,6	1,97 x 1,48 x 1,72
NV3W-1 – 4 Way T-joint + One Face	60,0 x 52,6 x 52,6	1,97 x 1,72 x 1,72
NV4W-1 – 5 Way X-joint + One Face	60,0 x 60,0 x 52,6	1,97 x 1,97 x 1,72

Loadcases Nova Beam Square Truss

	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1291	2840	871	1916	734	1615	633	1393	499	1098	430	946
Deflection in	mm l inch	32	1,28	63	2,52	83	3,32	106	4,24	133	5,32	212	8,48
UDL in	kg/mtr l lbs/ft	258	173	124	84	92	62	72	48	59	40	43	29
Deflection	mm l inch	40	1,6	79	3,16	103	4,12	130	5,2	161	6,44	256	10,24

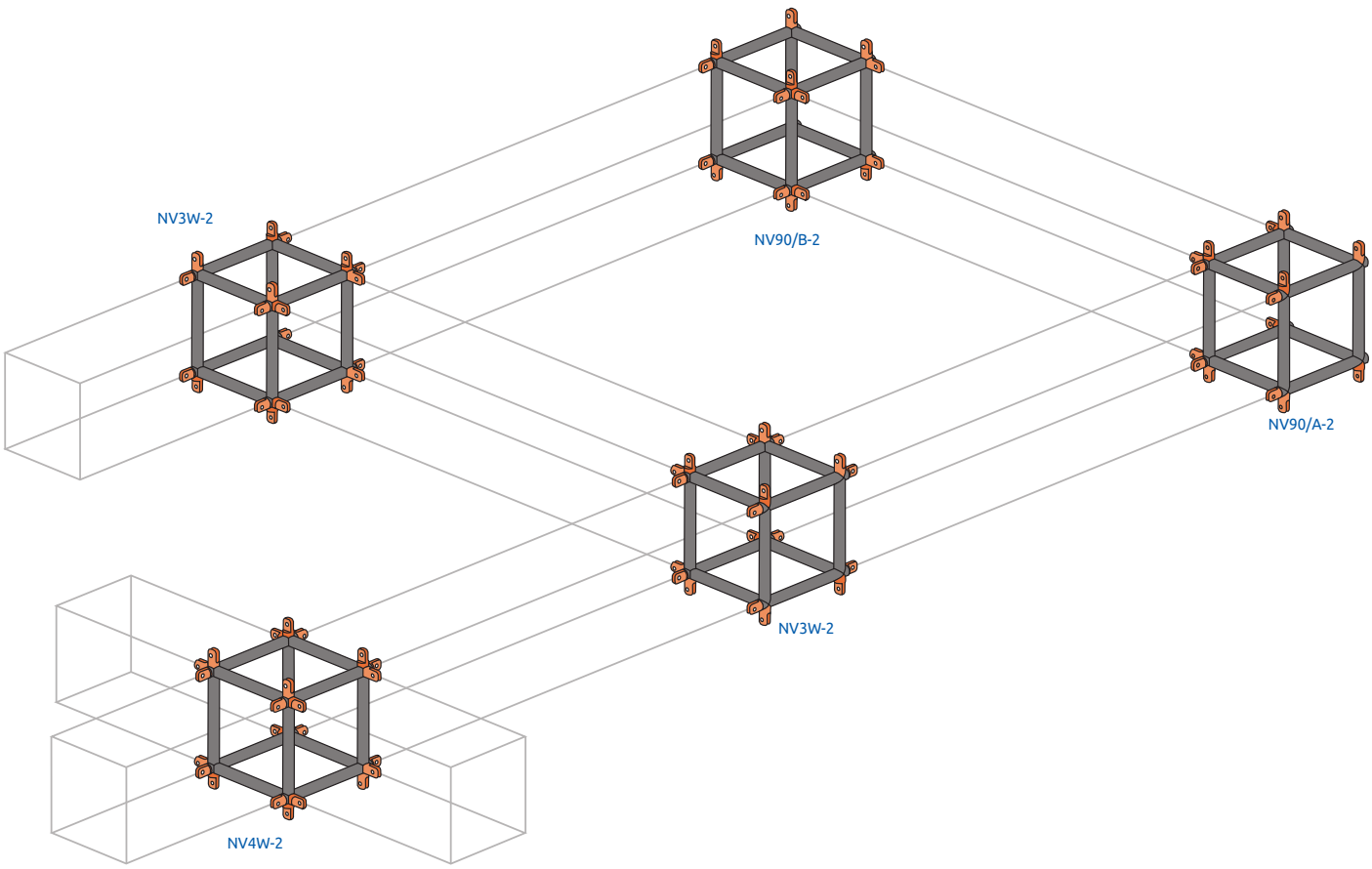
Fork Heavy – Nova Beam Square Truss

More level constructions – examples for up to three level corners

Nova Beam Construction

The Nova Beam has an unique fork end fitting arrangement, making the system more flexble and interchangable reducing the requirement for large quantities of corner blocks in your inventory.

Three level construction



Three level construction Nova Beam

Cornercode	Sizes in cm	Sizes in feet
NV90-2 – 4 Way 90 dgr + Two Faces	52,6 x 52,6 x 60,0	1,72 x 1,72 x 1,97
NV2W-2 – 3-Way Straight Through Corner + Two Faces	60,0 x 45,2 x 60,0	1,97 x 1,48 x 1,97
NV3W-2 – 4 Way T-joint + Two Faces	60,0 x 52,6 x 60,0	1,97 x 1,72 x 1,97
NV4W-2 – 5 Way X-joint + Two faces	60,0 x 60,0 x 60,0	1,97 x 1,97 x 1,97

Loadcases Nova Beam Square Truss

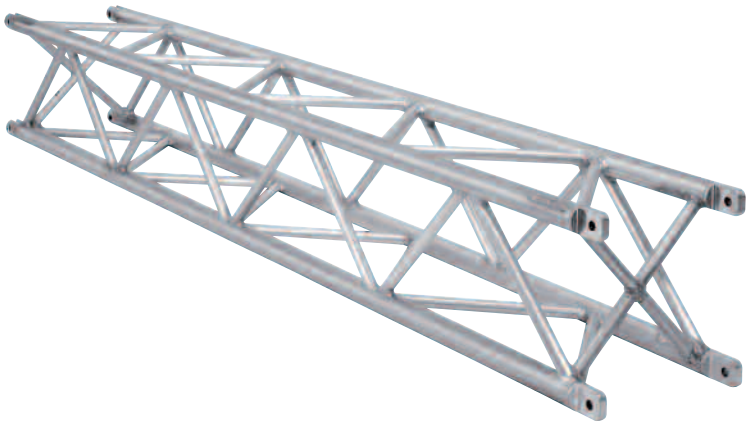
	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1291	2840	871	1916	734	1615	633	1393	499	1098	430	946
Deflection in	mm l inch	32	1,28	63	2,52	83	3,32	106	4,24	133	5,32	212	8,48
UDL in	kg/mtr l lbs/ft	258	173	124	84	92	62	72	48	59	40	43	29
Deflection	mm l inch	40	1,6	79	3,16	103	4,12	130	5,2	161	6,44	256	10,24

Fork Heavy – GS Square Truss

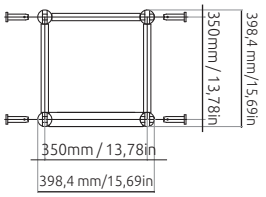
The ideal fork end truss system for rental

GS Square Truss

- 4,47mm (0,18in) wall thickness of 48,4mm (2,36in) main tube
- High stability aluminium alloy
- Highest standard TuV approved
- High wear resistance
- Welded slots
- Good Storage and Transport Size
- Tower Truss GS



Dimensions GS Square Truss



GS Square Truss

GS is a heavy square duty truss, purpose designed and built to meet the rigorous requirements combining the lateral strength of MB Truss with enhanced vertical loading.

GS is a 347mm (13,66in) square truss and comes in metric and feet lengths and can be adapted in tower applications and can be made with the addition of a purpose built steel base, head block and a variety of sleeve blocks.

The GS Range comes complete with all the usual corners, swivels and hinges and in combination with its Tower GS Truss is ideal for ground supported installations.

GS Truss is manufactured from high grade aluminium alloy and is engineered to conform to the latest EN and DIN standards.

Measurements GS Square Truss

	Size in cm	Size in inch
Main tube:	48,4 x 4,47mm	2,36 x 0,18in
Braces:	25x 3mm	0,98 x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	GP+R3	GP+R3
Weight:	~10,5kg/m	~7lbs/ft

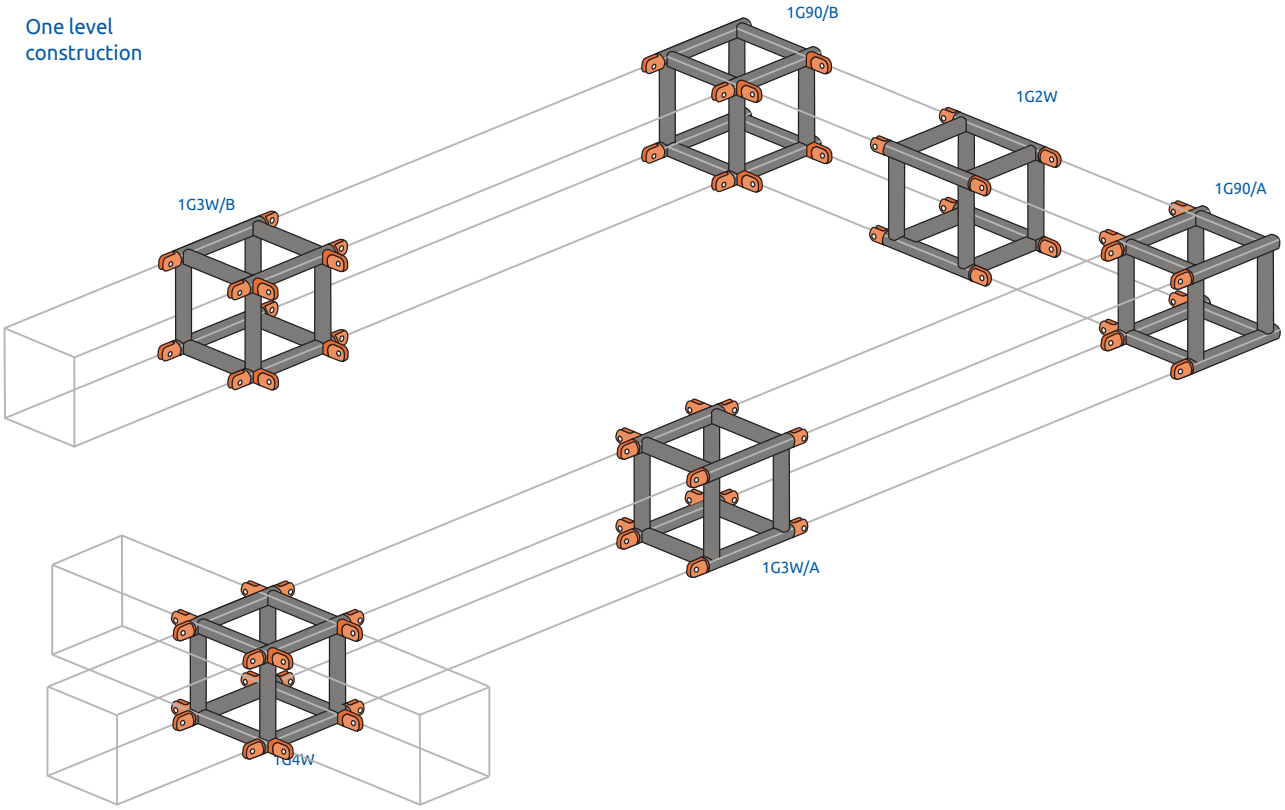
Fork Heavy – GS Square Truss

One level constructions – GS Corners

GS Construction

The GS has an unique fork end fitting arrangement, making the system more flexble and interchangable reducing the requirement for large quantities of corner blocks in your inventory.

One level construction



One level construction GS

Cornercode	Sizes in cm	Sizes in feet
1G90/A – 2-Way 90dg A	37,3 x 37,3	1,22 x 1,22
1G90/B – 2-Way 90dg B	37,3 x 37,3	1,22 x 1,22
1G2W – 2 Way		
Straight Through Corner	44,7 x 29,9	1,47 x 0,98
1G3W/A – 3 Way T-Joint A	44,7 x 37,3	1,47 x 1,22
1G3W/B – 3 Way T-Joint B	44,7 x 37,3	1,47 x 1,22
1G4W – 4 Way X-Joint	44,7 x 44,7	1,47 x 1,47

Loadcases GS Square Truss

	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1035	2277	703	1547	595	1309	508	1118	377	829	325	715
Deflection in	mm l inch	58	2,32	114	4,56	151	6,04	192	7,68	239	9,56	352	14,08
UDL in	kg/mtr l lbs/ft	207	139	100	67	74	50	56	38	34	23	27	18
Deflection	mm l inch	71	2,84	140	5,6	182	7,28	231	9,24	285	11,4	410	16,4

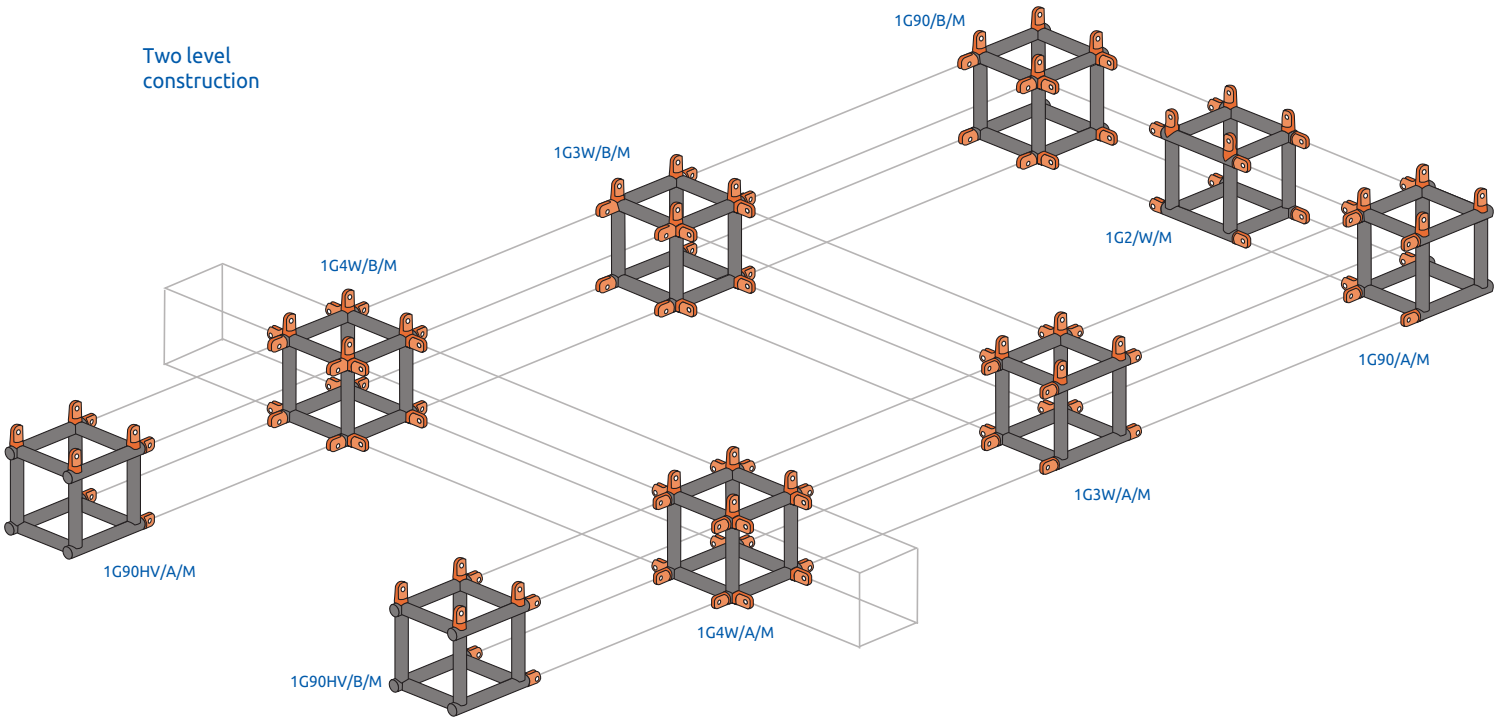
Fork Heavy – GS Square Truss

More level constructions – GS Corners

Two level construction GS

Cornercode	Sizes in cm	Sizes in feet
1G90/A/F – 2-Way 90dg A + female down	37,3 x 37,3 x 37,3	1,22 x 1,22 x 1,22
1G90/A/M – 2-Way 90dg A + male down	37,3 x 37,3 x 37,3	1,22 x 1,22 x 1,22
1G90/B/F – 2-Way 90dg B + female down	37,3 x 37,3 x 37,3	1,22 x 1,22 x 1,22
1G90/B/M – 2-Way 90dg B + male down	37,3 x 37,3 x 37,3	1,22 x 1,22 x 1,22
1G2W/F – 2 Way Straight Through Corner + female down	44,7 x 29,9 x 37,3	1,47 x 0,98 x 1,22
1G2W/M – 2 Way Straight Through Corner + male down	44,7 x 29,9 x 37,3	1,47 x 0,98 x 1,22
1G3W/A/F – 3 Way T-Joint A + female down	44,7 x 37,3 x 37,3	1,47 x 1,22 x 1,22
1G3W/A/M – 3 Way T-Joint A + male down	44,7 x 37,3 x 37,3	1,47 x 1,22 x 1,22
1G3W/B/F – 3 Way T-Joint B + female down	44,7 x 37,3 x 37,3	1,47 x 1,22 x 1,22
1G3W/B/M – 3 Way T-Joint B + male down	44,7 x 37,3 x 37,3	1,47 x 1,22 x 1,22
1G4W/A/F – 4 Way X-Joint A + female down	44,7 x 44,7 x 37,3	1,47 x 1,47 x 1,22
1G4W/A/M – 4 Way X-Joint A + male down	44,7 x 44,7 x 37,3	1,47 x 1,47 x 1,22
1G4W/B/F – 4 Way X-Joint B + female down	44,7 x 44,7 x 37,3	1,47 x 1,47 x 1,22
1G4W/B/M – 4 Way X-Joint B + male down	44,7 x 44,7 x 37,3	1,47 x 1,47 x 1,22
1G90/HV/A/F – 2-Way Goal Post A + female down	37,3 x 29,9 x 37,3	1,22 x 0,98 x 1,22
1G90/HV/A/M – 2-Way Goal Post A + male down	37,3 x 29,9 x 37,3	1,22 x 0,98 x 1,22
1G90/HV/B/F – 2-Way Goal Post B + female down	37,3 x 29,9 x 37,3	1,22 x 0,98 x 1,22
1G90/HV/B/M – 2-Way Goal Post B + male down	37,3 x 29,9 x 37,3	1,22 x 0,98 x 1,22

Two level construction



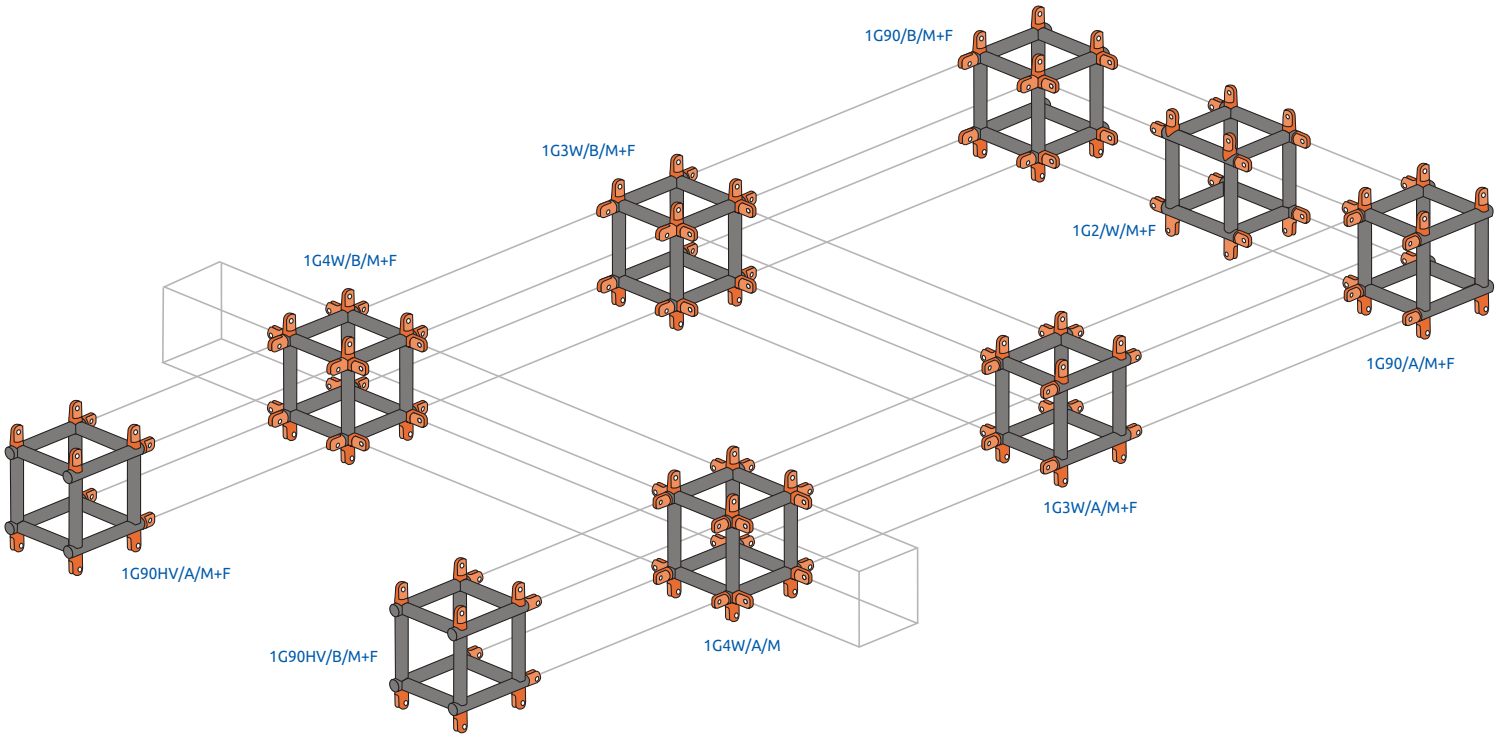
Loadcases GS Square Truss

	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1035	2277	703	1547	595	1309	508	1118	377	829	325	715
Deflection in	mm l inch	58	2,32	114	4,56	151	6,04	192	7,68	239	9,56	352	14,08
UDL in	kg/mtr l lbs/ft	207	139	100	67	74	50	56	38	34	23	27	18
Deflection	mm l inch	71	2,84	140	5,6	182	7,28	231	9,24	285	11,4	410	16,4

GS Construction

The GS has an unique fork end fitting arrangement, making the system more flexble and interchangable reducing the requirement for large quantities of corner blocks in your inventory.

Three level construction



Three level construction GS

Cornercode	Sizes in cm	Sizes in feet
1G90/A/M-F – 2-Way 90dg A + female + male down	37,3 x 37,3 x 44,7	1,22 x 1,22 x 1,22
1G90/B/M-F – 2-Way 90dg B + female + male down	37,3 x 37,3 x 44,7	1,22 x 1,22 x 1,22
1G2W/M-F – 2 Way Straight Through Corner + female + male down	44,7 x 29,9 x 44,7	1,47 x 0,98 x 1,22
1G3W/A/M-F – 3 Way T-Joint A + female + male down	44,7 x 37,3 x 44,7	1,47 x 1,22 x 1,22
1G3W/B/M-F – 3 Way T-Joint B + female + male down	44,7 x 37,3 x 44,7	1,47 x 1,22 x 1,22
1G4W/A/M-F – 4 Way X-Joint A + female + male down	44,7 x 44,7 x 44,7	1,47 x 1,47 x 1,22
1G4W/B/M-F – 4 Way X-Joint B + female + male down	44,7 x 44,7 x 44,7	1,47 x 1,47 x 1,22
1G90/HV/A/M-F – 2-Way Goal Post A + female + male down	37,3 x 29,9 x 44,7	1,22 x 0,98 x 1,22
1G90/HV/B/M-F – 2-Way Goal Post B + female + male down	37,3 x 29,9 x 44,7	1,22 x 0,98 x 1,22

Loadcases GS Square Truss

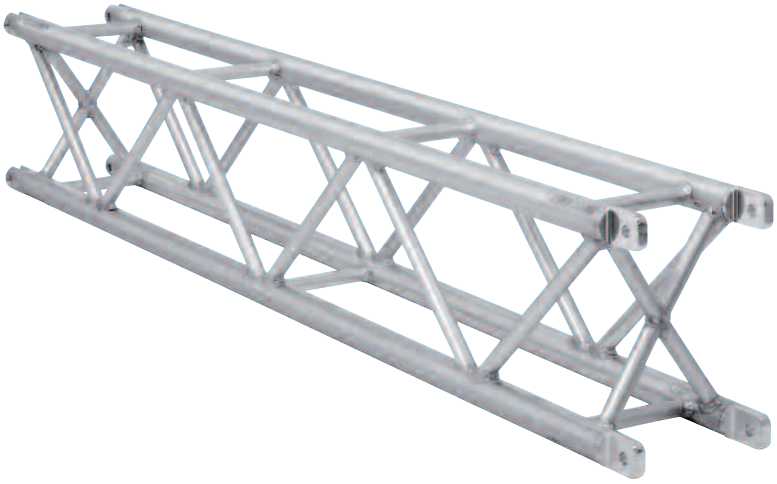
	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1035	2277	703	1547	595	1309	508	1118	377	829	325	715
Deflection in	mm l inch	58	2,32	114	4,56	151	6,04	192	7,68	239	9,56	352	14,08
UDL in	kg/mtr l lbs/ft	207	139	100	67	74	50	56	38	34	23	27	18
Deflection	mm l inch	71	2,84	140	5,6	182	7,28	231	9,24	285	11,4	410	16,4

Fork Heavy – Mini Beam Rectangular Truss

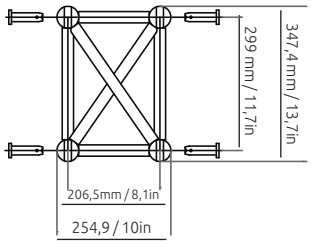
Extremely compact truss for impressive loading on long spans

Mini Beam Rectangular Truss

- 4,47mm (0,18in) wall thickness of 48,4mm (2,36in) main tube
- High stability aluminium alloy
- Highest standard TuV approved
- High wear resistance
- Welded slots
- Good Storage and Transport Size



Dimensions
Mini Beam Rectangular Truss



Mini Beam Rectangular Truss

Mini Beam is an extremely compact heavy duty truss system, purpose designed and built to meet the rigorous requirements.

Mini Beam is a 347,4mm (13,7in) x 254,9mm (10in) rectangular truss and comes in metric and feet lengths and consist of a large variety of corner blocks, horizontal vertical as swivel corners, making it an extremely versatile product.

Mini Beam has an impressive strength to weight ratio, being able to typically take 1768kg (3768lbs) load on 10m (33ft) span and wit hits small size the ideal truss to manage.

Mini Beam Truss is manufactured from high grade aluminium alloy and is engineered to conform to the latest EN and DIN standards.

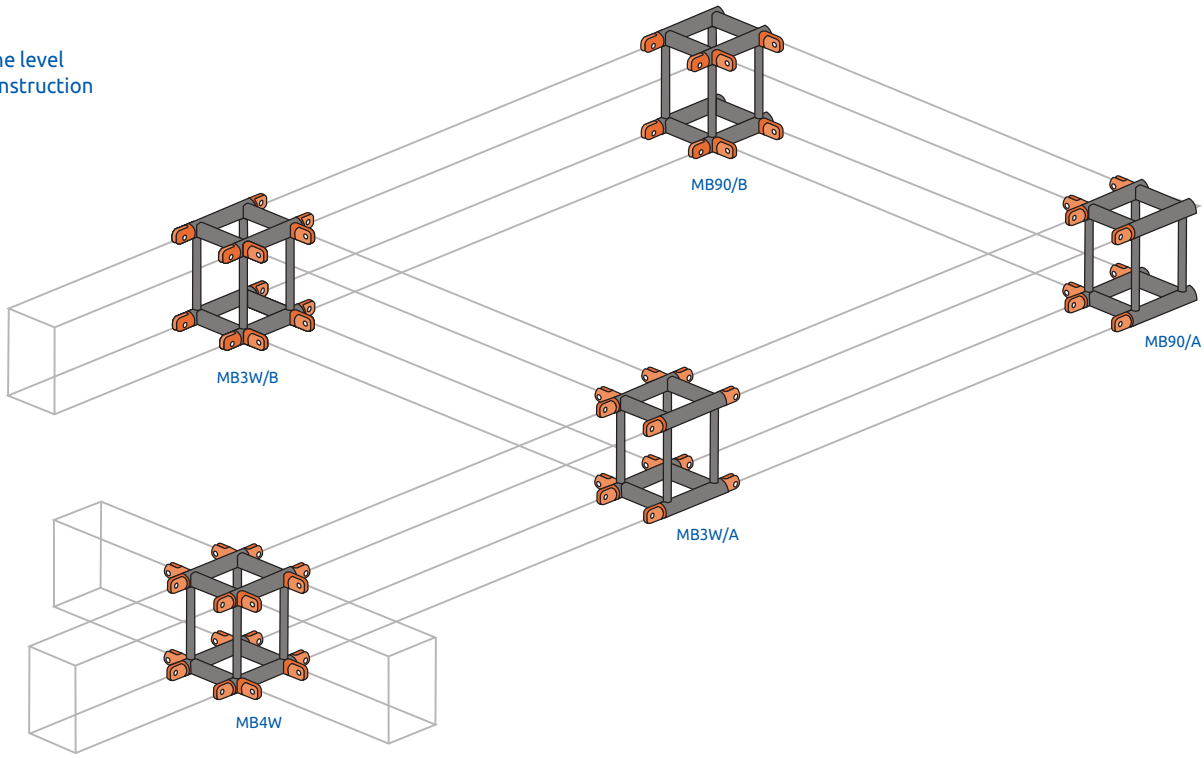
Measurements Mini Beam Rectangular Truss

	Size in cm	Size in inch
Main tube:	48,4 x 4,47mm	2,36 x 0,18in
Braces:	25x 3mm	0,98 x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	GP+R3	GP+R3
Weight:	~10,5kg/m	~7lbs/ft

Mini Beam construction

The Mini Beam structures allows various structural shapes by using 90 degree corners, tees and crosses. Be aware of the fact that due to the male / female connectors, you select the correct corner and notice left and or right

One level construction



One level construction Mini Beam

Cornercode	Sizes in cm	Sizes in feet
MB90/A – 2-Way 90dg A	28,1 x 28,1	0,92 x 0,92
MB90/B – 2-Way 90dg B	28,1 x 28,1	0,92 x 0,92
MB3W/A – 3 Way T-Joint A	35,5 x 28,1	1,16 x 0,92
MB3W/B – 3 Way T-Joint B	35,5 x 28,1	1,16 x 0,92
MB4W – 4 Way X-Joint	35,5 x 35,5	1,16 x 1,16

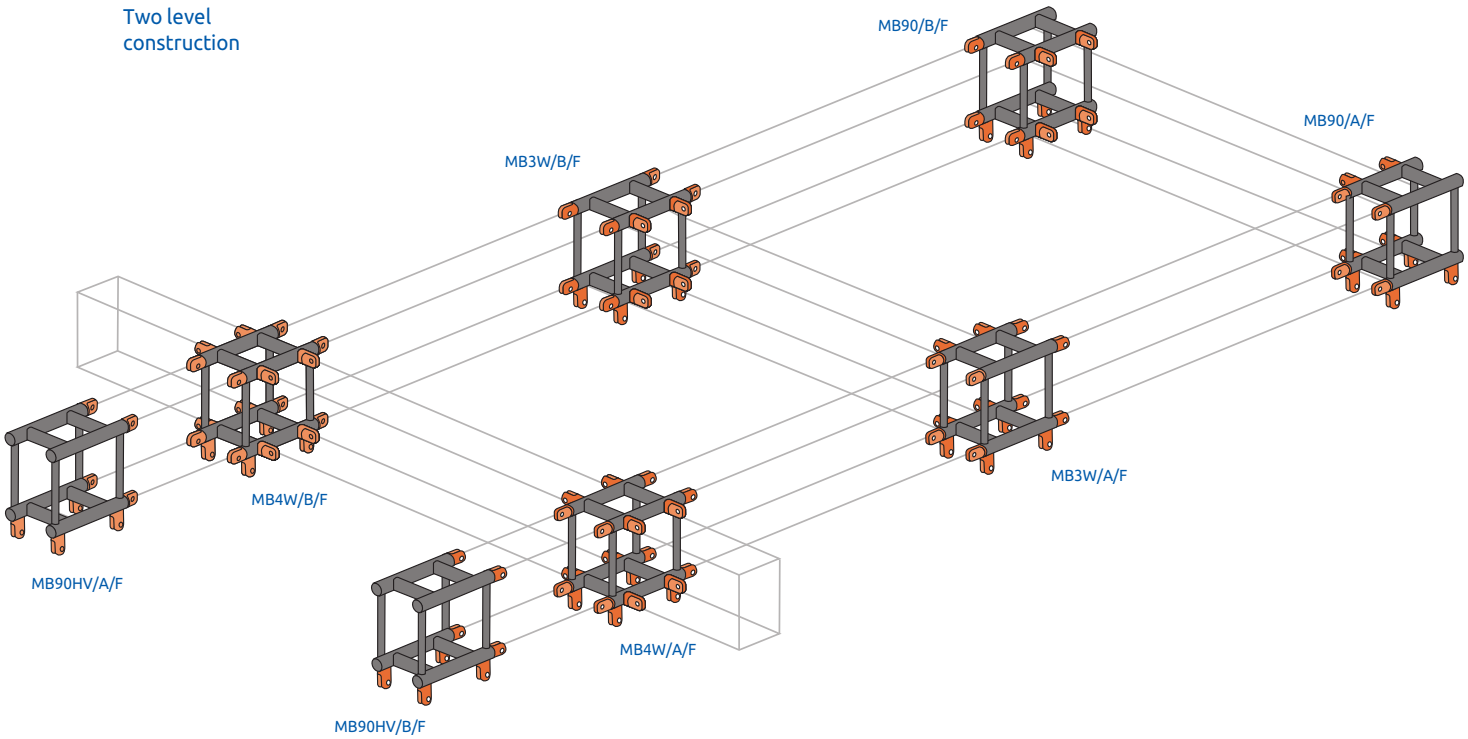
Loadcases Mini Beam Rectangular Truss

	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1045	2299	717	1577	611	1344	527	1159	400	880	350	770
Deflection in	mm l inch	58	2,32	114	4,56	151	6,04	192	7,68	239	9,56	352	14,08
UDL in	kg/mtr l lbs/ft	209	140	102	69	76	51	59	40	36	24	29	19
Deflection	mm l inch	71	2,84	140	5,6	182	7,28	231	9,24	285	11,4	410	16,4

Fork Heavy – Mini Beam Rectangular Truss

More level constructions – Mini Beam Corners

Two level construction



Two level construction Mini Beam

Cornercode	Sizes in cm	Sizes in feet
MB90/A/F – 2-Way 90dg A + female down	35,5 x 35,5 x 37,3	1,16 x 1,16 x 1,22
MB90/A/M – 2-Way 90dg A + male down	35,5 x 35,5 x 37,3	1,16 x 1,16 x 1,22
MB90/B/F – 2-Way 90dg B + female down	35,5 x 35,5 x 37,3	1,16 x 1,16 x 1,22
MB90/B/M – 2-Way 90dg B + male down	35,5 x 35,5 x 37,3	1,16 x 1,16 x 1,22
MB3W/A/F – 3 Way T-Joint A + female down	44,8 x 28,1 x 37,3	1,47 x 0,92 x 1,22
MB3W/A/M – 3 Way T-Joint A + male down	44,8 x 28,1 x 37,3	1,47 x 0,92 x 1,22
MB3W/B/F – 3 Way T-Joint B + female down	44,8 x 28,1 x 37,3	1,47 x 0,92 x 1,22
MB3W/B/M – 3 Way T-Joint B + male down	44,8 x 28,1 x 37,3	1,47 x 0,92 x 1,22
MB4W/A/F – 4 Way X-Joint A + female down	44,8 x 35,5 x 37,3	1,47 x 1,16 x 1,22
MB4W/A/M – 4 Way X-Joint A + male down	44,8 x 35,5 x 37,3	1,47 x 1,16 x 1,22
MB4W/B/F – 4 Way X-Joint B + female down	44,8 x 35,5 x 37,3	1,47 x 1,16 x 1,22
MB4W/B/M – 4 Way X-Joint B + male down	44,8 x 35,5 x 37,3	1,47 x 1,16 x 1,22
MB90/HV/A/F – 2-Way Goal Post A + female down	35,5 x 20,7 x 37,3	1,16 x 0,68 x 1,22
MB90/HV/A/M – 2-Way Goal Post A + male down	35,5 x 20,7 x 37,3	1,16 x 0,68 x 1,22
MB90/HV/B/F – 2-Way Goal Post B + female down	35,5 x 20,7 x 37,3	1,16 x 0,68 x 1,22
MB90/HV/B/M – 2-Way Goal Post B + male down	35,5 x 20,7 x 37,3	1,16 x 0,68 x 1,22

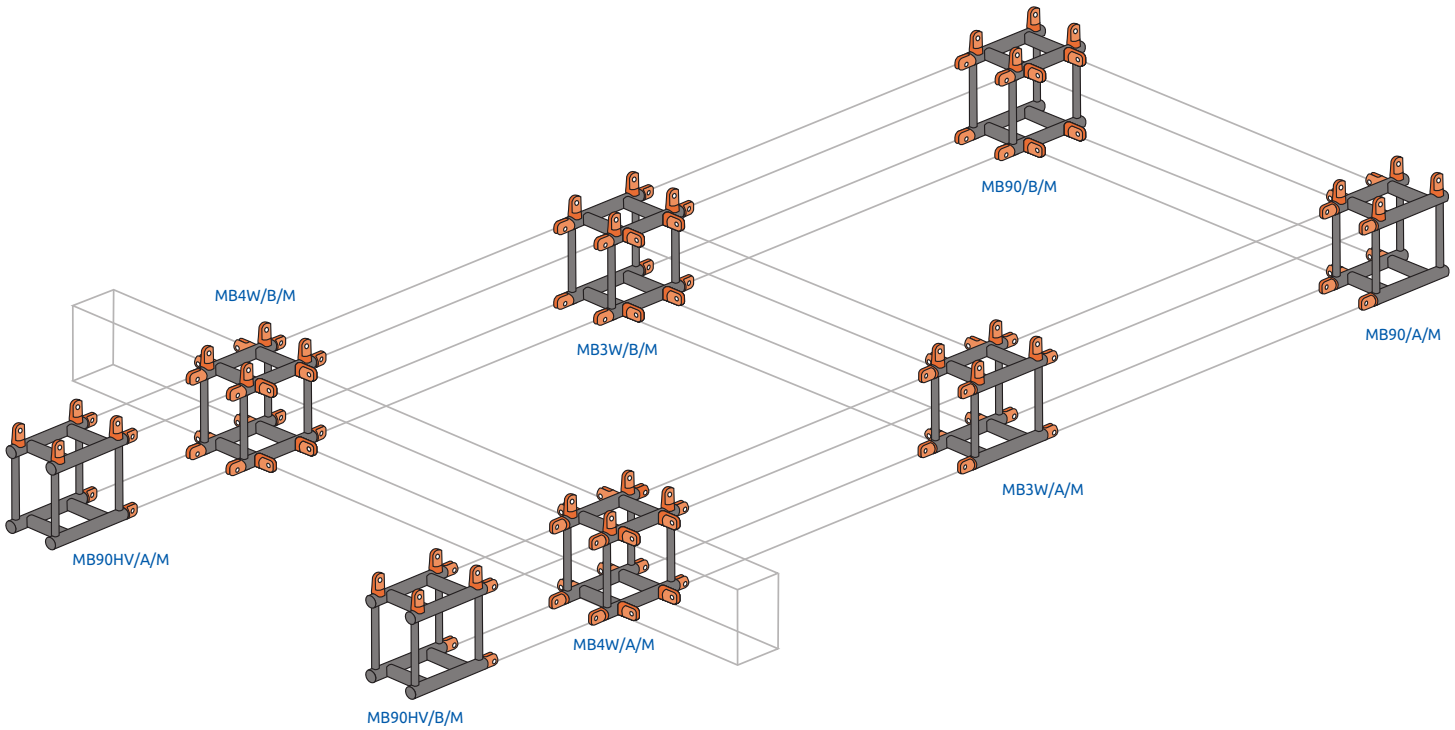
Three level construction Mini Beam

Cornercode	Sizes in cm	Sizes in feet
MB90/A/M-F – 2-Way 90dg A + female + male down	35,5 x 35,5 x 44,8	1,16 x 1,16 x 1,47
MB90/B/M-F – 2-Way 90dg B + female + male down	35,5 x 35,5 x 44,8	1,16 x 1,16 x 1,47
MB3W/A/M-F – 3 Way T-Joint A + female + male down	44,8 x 28,1 x 44,8	1,47 x 0,92 x 1,47
MB3W/B/M-F – 3 Way T-Joint B + female + male down	44,8 x 28,1 x 44,8	1,47 x 0,92 x 1,47
MB4W/A/M-F – 4 Way X-Joint A + female + male down	44,8 x 35,5 x 44,8	1,47 x 1,16 x 1,47
MB4W/B/M-F – 4 Way X-Joint B + female + male down	44,8 x 35,5 x 44,8	1,47 x 1,16 x 1,47
MB90/HV/A/M-F – 2-Way Goal Post A + female + male down	35,5 x 20,7 x 44,8	1,16 x 0,68 x 1,47
MB90/HV/B/M-F – 2-Way Goal Post B + female + male down	35,5 x 20,7 x 44,8	1,16 x 0,68 x 1,47

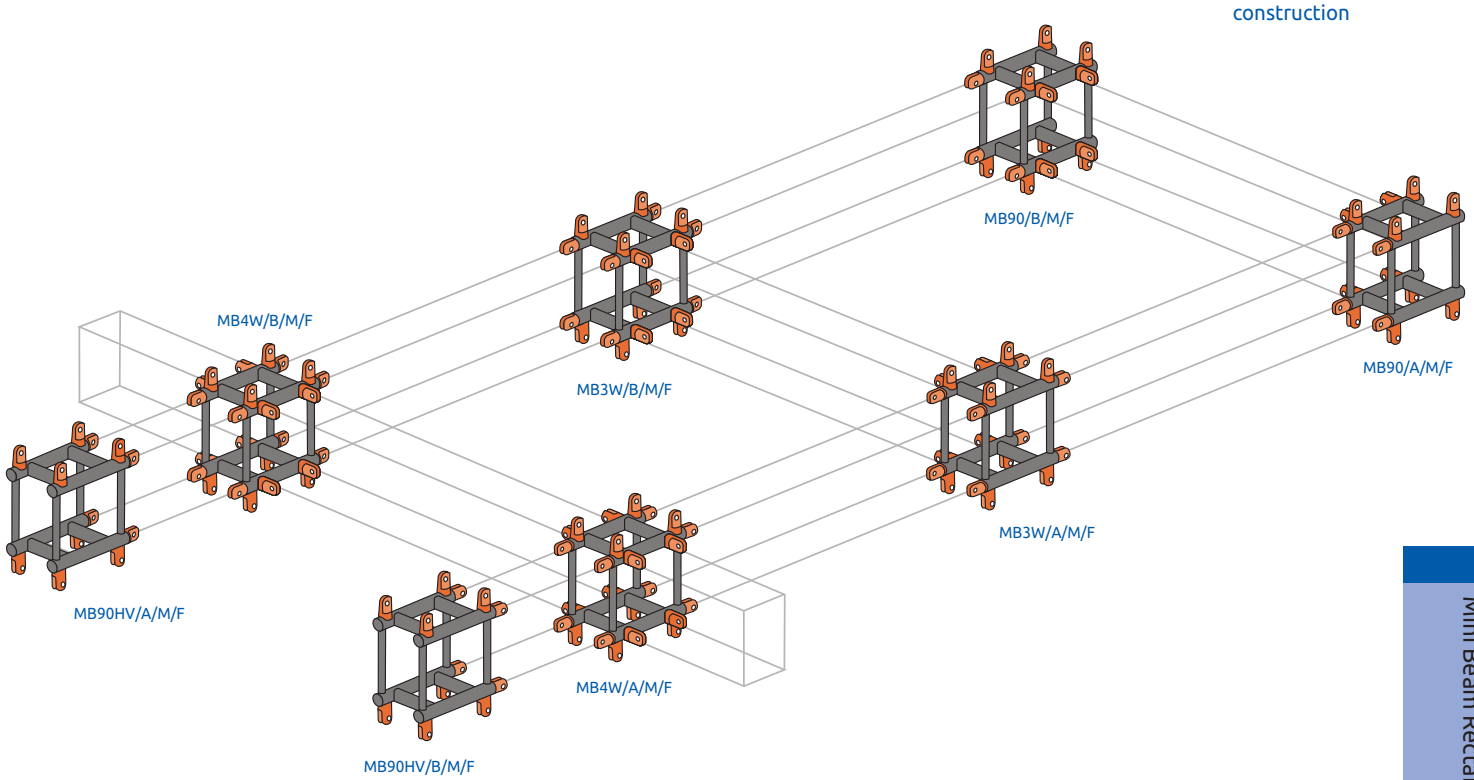
Mini Beam Construction

The Mini Beam structures allows various structural shapes by using 90 degree corners, tees and crosses. Be aware of the fact that due to the male / female connectors, you select the correct corner and notice left and or right.

Two level construction

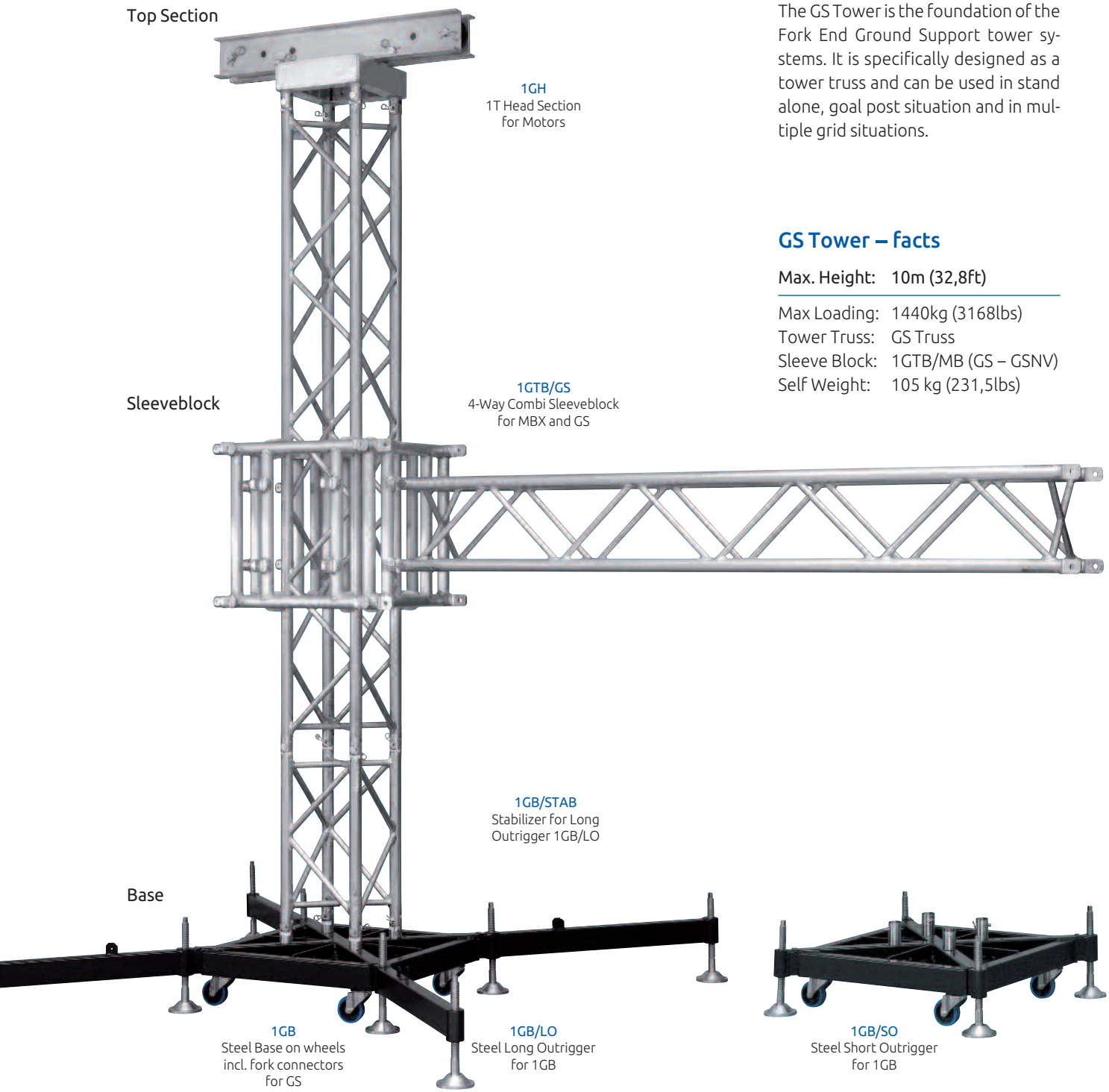


Three level construction



GS Tower

The main Tower for the Fork End Trussing



GS Tower

The GS Tower is the foundation of the Fork End Ground Support tower systems. It is specifically designed as a tower truss and can be used in stand alone, goal post situation and in multiple grid situations.

GS Tower – facts

Max. Height:	**10m (32,8ft)**
Max Loading:	1440kg (3168lbs)
Tower Truss:	GS Truss
Sleeve Block:	1GTB/MB (GS – GSNV)
Self Weight:	105 kg (231,5lbs)

Bases:

The Steel Base on wheels is available with short and or long outriggers in combination with stabilizers. The base is equipped with fork male/female receivers to build the GS Mast Sections.

Sleeve Blocks:

The travelling sleeve blocks that are used with the system is adaptable to connect to MB, GS and MBX Truss and combi sleeve blocks are available (Shown: Combi with MBX and GS).

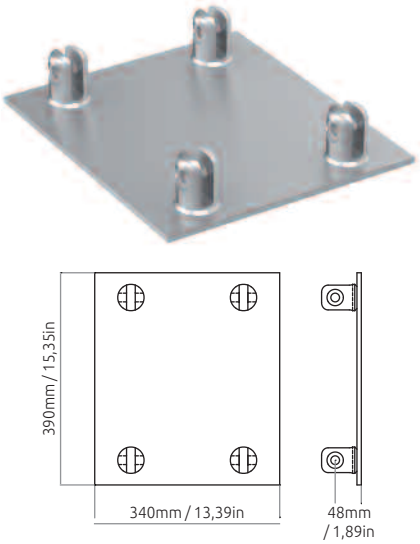
Head Section:

The head section is standard equipped with wheels for 1 Ton Motors (2 Ton is available). It is designed to take most types of chains used in lifting equipment.

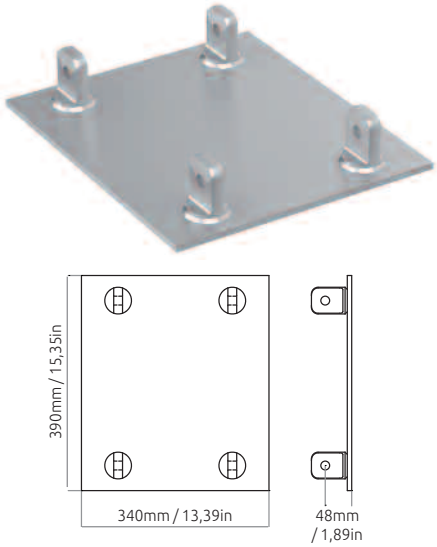
Mast Sections:

The tower truss is the standard GS Truss, a square 347mm (13,7in) heavy duty truss made according DIN 4113 and approved by the TuV.

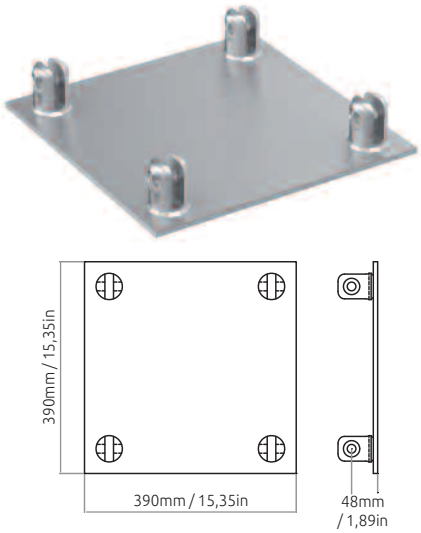
Base Plates



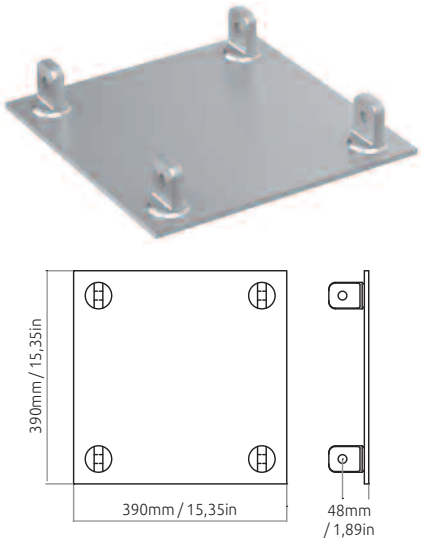
PLB-MB-F
MB Base Plate



PLB-MB-M
MB Base Plate

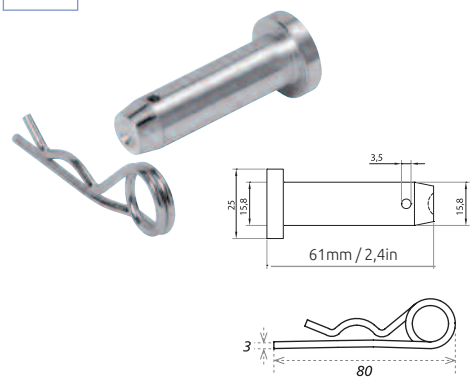


PLB-GS-F
GS Base Plate

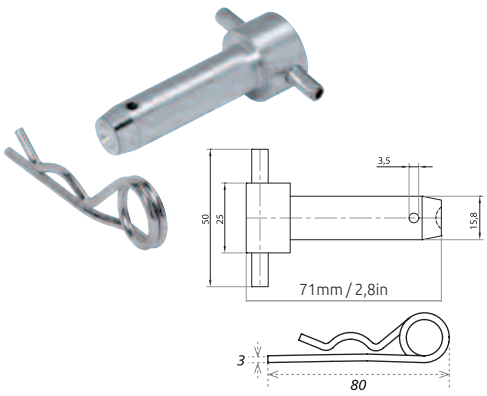


PLB-GS-M
GS Base Plate

Pins & Clips



GP+R3
Trusspin + R-Clip



TP+R3
Trusspin + R-Clip RP

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