Main Catalogue

Trussing Systems
Roof Systems
Stages

EUROTRUSS
ALUMINIUM TRUSS-SYSTEMS

Company Profile

EUROTRUSS
ALUMINIUM TRUSS-SYSTEMS

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

HISTORY

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

At the end of 1993 Eurotruss successfully implemented the first conical spigot connection which ultimately has proved 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 our organization. During the last decade we have established an extensive and well trained network of worldwide dealers.

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

Eurotruss has always been and will stay upfront with the latest technology and quality standards. As one of the first Eurotruss got TuV and later on a SLV/ Welding Approval as well as a Building Permit on Roofs and Complex Constructions all according the highest quality specifications set by the respected institutions and authorities.

PRODUCTION

Eurotruss has installed a state of the art engineering flow system that provides a fast and flexible production range with no compromise in quality and safety.

The delivery times have always been reduced to the minimum as a result of our flexible production method.

QUALITY CONTROL

Some manufacturers work to their own standards. Eurotruss have chosen to adhere to the highest EU specifications within Aluminium, DNV (Welders Qualification) in order to provide a safe and quality product.

DEALERS

All over the whole world Eurotruss established a well trained dealer and service network.

All Eurotruss dealers are experienced, keep stock and can support you with all required information.

Visit www.eurotruss.nl for your nearest dealer.

EUROTRUSS FOR ALL YOUR PROJECTS

Eurotruss now has a wider range of aluminium products covering all aspects of the industries requirements.

With the advent of the »SPECIAL PRODUCTS DEPARTMENT« Custom make projects can be undertaken and supplied.

Eurotruss will continue with a dedication to improve and refine all aspects of it engineering expertise.

APPROVALS

All Eurotruss products are embraced with the TuV Nord certification with static reports and load figures.

It must be appreciated that custom made products require calculation even when mixed with existing components before manufacture or supply to pass our stringent quality control and, safety procedures.

Our engineers can guide you through this process. Just call.

STAGING

Events requiring a touring mobile platform for their shows in the eighties evolved with the necessity for lightweight strengths from steel construction to compact modular aluminium systems.

All Eurotruss Truss Systems are designed to have a minimum of self weight and a maximum of load bearing capacity. The innovation of the conical connection system made it possible to reduce size and cost without compromising the load bearing capacity required for its multiple purposes.

Each well designed truss system has a full range of corners, accessories, towers and circles so each staging event can be equipped with the broad range of Eurotruss Systems.

Since the introduction of aluminium truss systems the requirements have led to various developments like complex outdoor structures including roof systems, staging, barriers, rigging hoists and rigging equipment. Eurotruss offers a full range of quality products which match the nowadays event requirements.

Exhibition

SPECIALIZED CONSTRUCTIONS

Eurotruss have a department of structural engineers to evaluate and guide you through any special requirements you wish to use in conjunction with standard parts or totally new concepts.

We can assist you with full technical support. Our facility handles important issues concerning safety, structural calculations, static loadings, and CAD, to ensure a safe, efficient and cost effective approach to your needs.

INSTALLATIONS

Installations require a hanging grid platform for their shows which integrates design and multi-functionality.

Those hanging grids vary from heavy mother grids with pre rig truss systems to special designed movable truss systems with circular shapes etc. Our engineers can support you in engineering expertise and design.

Eurotruss carries a broad range of truss systems and rigging accessories which are required in fixed installations.

EXHIBITION

The use of lightweight and compact truss systems with a relative high load capacity is required in the exhibition industry.

More and more the demands for truss systems are not only founded on the use of hanging grids but next to the constructive character the truss systems have a decorative purpose.

Due to the fact that aluminium has a strong but also a decorative look and the broad range of truss possibilities by its modularity, give the exhibition industry the perfect tool.

Time is also a very important issue, Eurotruss understands this. The modularity and fast connection system guarantees fast and safe mounting which saves time and money.

Due to our efficient and reliable image Eurotruss is considered to be the market leader in the exhibition industry.

PRE RIGGING

An improved heavy duty truss to be used as a main grid or structure in order to fly smaller truss systems and circles or create large spans with high load bearing capacity. Very often the pre rigging is not visual as it disappears under the roof and ceilings.

In those cases that the halls or the ceilings of buildings can not be used to fix many hanging points for several truss rigs, the Pre Rig Truss is being used as a second ceiling on where several rigs of smaller truss systems or circles etc can be flown.

The Pre Rig Truss is capable of adapting high loads on long free spans. The dimensions, used material and strong connection makes the Pre Rig Truss the strongest truss in the line of aluminum truss systems.

Eurotruss developed a high loadable Pre Rig Truss and constructed it in such a way that an optimum has been realized to get the maximum result. Eurotruss proofs again that it offers the optimal product for any purpose required.

EUROTRUSS STANDARD ROOF RANGE:

All our roof systems from 32 square meters to 450 square meters are available with P.A. Wings and Houses.

These constructions are available with static reports and are approved for use by the German legal authorities.

Eurotruss fulfilled the need for rapid set up times and versatility of design by developing their roof system as a follow on from the ground support systems and used a large majority of standard components.

Enabling customers to build an ever increasingly adaptable system to cut down unnecessary investment in special pieces to do one job.

This concept drastically reduces costly investment when the produced can multi task giving a fast return of revenue invested.

New Items

FT100

Eurotruss upgraded their system with a new folding truss of 101cm. The FT100 Truss lends itself to use as bending resistant spans at a free span of 44m with an extreme load bearing capacity of 1232 kg 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 is only 101cm x 16cm. The 60x5 mm 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 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.

TD50 GROUND SUPPORT TOWER

Eurotruss has added to the existing TD44 and TD35, the TD50 Heavy Duty Tower System.

The new tower is designed for extreme heights and high loads. The TD50 GS Tower System in combination with TT, XT and FT100 Truss can go up to an impressive 20 meters height and handle 8000 kg vertical load.

The TD50 GS Tower has special tower mast section with 60x5mm main tube and a dimension of 51x51cm. The TD50 mast sections have ladder bracing on one side for easy and safe climbing. The GS Tower is ideal for ground supports and roof systems which need more height. The TD50 GS tower is both very strong and user friendly.

LED BRIDGES

More and more LED Screens are being used in all kind of events. Not only LED Screens are being used at concerts nowadays but for all kind of events and promotional activities.

LED Screens have a huge self weight hung on several point loads and a big fully 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. These tower systems are the standard Eurotruss Towers TD44 with TT horizontal truss and TD35 with ST horizontal truss.

For each LED Bridge a Structural Report is available.

STAGE EQUIPMENT

There is no doubt, EUROTRUSS, is one of the leading suppliers of aluminium roof and stage systems on the international market. As a leading truss manufacturer in indoor and outdoor stage sets, Eurotruss focus entirely on the service-oriented wholesale trade.

Our staff is highly qualified, with the expertise necessary to provide effective support at all times to users of our products. Extensive investment in the area of stage technology have made Eurotruss one of the leading companies in the area of stage technology and equipment. By using innovative and reliable products Eurotruss is in a position to offer our customers future-proof complete solutions. Further pillars of our partnership is the maximum support in the area of training and high quality service.

Eurotruss as a specialist and total supplier of stage technology for your events, will be more than pleased to accept the challenge and responsibility of accompanying all stage related products like Scaffolding Stages, Stage Decks, Ballast Solutions, Rigging Hoists and Barriers and designs beyond the point of sale to ensure a successful use and implementation. Eurotruss, just all under one roof!

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 on in a very fast and safe way. 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, which can be connected as a triangular shaped construction. The Tower Erecting System is placed on the sleeve block on the one end and on the truss at the other and 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.

WIND UP STANDS

Eurotruss carriers a new generation of Steel and Aluminium Wind Up Stands for the entertainment industry.

Eurotruss has not only refined its designs but is also capable of offering its Wind Up Stands very cost effective.

The Steel Wind Up Stands are available in three varieties. The DLB03/4 have adjustable and foldable jacks with maximum heights of 4,8m and 5,5m. The DLB02 with a maximum height of 6,5m, has separate outriggers which can be locked in the base.

New are the three Aluminium Wind Up Stands with maximum heights of 3,8m till 6m and with an impressive low self weight. The DLB05 can be lifted 6m high, can take 180kg and has only a self weight of 55kg which makes it the perfect Stand for touring.

Eurotruss has not only refined its designs but is also capable of offering these Wind Up Stands very cost effective.

SYSTEM OVERVIEW

Overview of the Eurotruss 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, towers and roof systems 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. A 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

TT: Up to 40 meters of span with impressive load bearing capacity. The ultimate solution for Pre Rig.

XT: More than 24 meters 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 with impressive loads.

HEAVY TRUSS

ST: Made for big jobs with 50cm 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.

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 perfectly 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.

HD / FD TRUSS

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

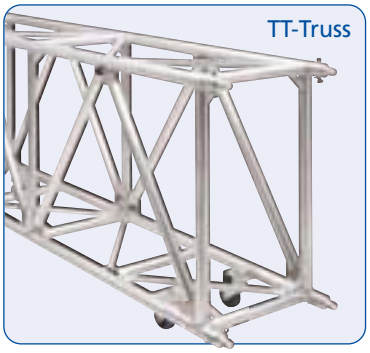
FD3X: With the FD32 (ladder truss), FD33 (triangular) and FD34 (square) this system is for the most used and allround truss in our programm. Up to middle long spans the solution for exhibition stands and small roofs.

PRE RIG TRUSS
HEAVY TRUSS

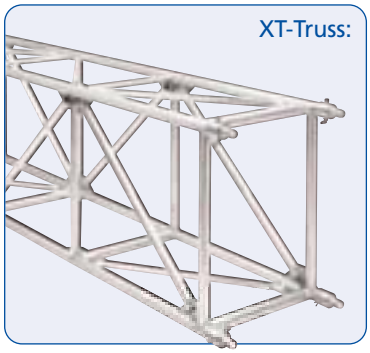
The Pre Rig and Heavy Truss Systems are capable of bearing high loads on long free spans.

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.



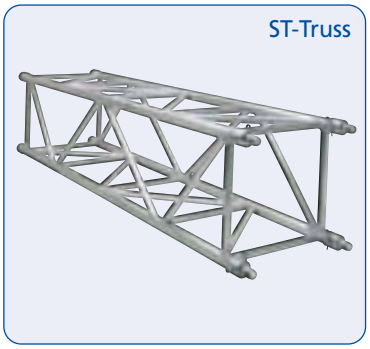
TT-Truss



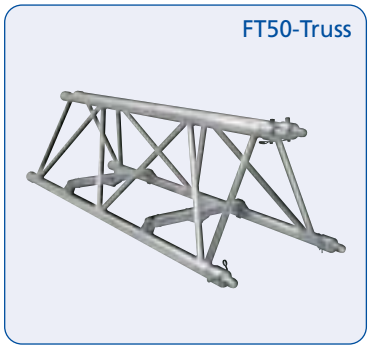
XT-Truss:

FT100-Truss:

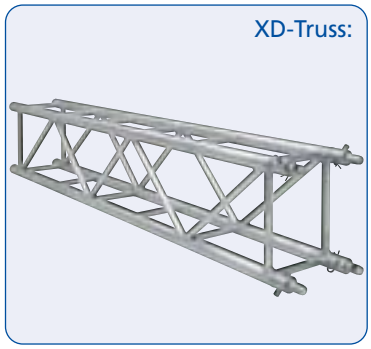
	TT-Truss	XT-Truss:	FT100-Truss:
Height:	1010mm	810mm	986mm
Width:	580mm	580mm	580mm
Weight:	~25 kg / m	~20 kg / m	~22 kg / m
Main Tube:	60 x 5mm	50 x 4mm	60 x 5mm
Braces:	50 x 3mm / 30 x 3mm	30 (40 / 50) x 3mm	50 x 3mm
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS3-CON	CS3-CON



ST-Truss



FT50-Truss



XD-Truss:

	ST-Truss	FT50-Truss	XD-Truss:
Height:	510mm	531mm	400mm
Width:	510mm	580mm	290mm
Weight:	~13,5kg / m	~13,5kg / m	~9kg / m
Main Tube:	50 x 4mm	50 x 4mm	50 x 3mm
Braces:	30 x 3mm	25 x 3mm	25 x 3mm
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS3-CON	CS2-CON

SYSTEM OVERVIEW

Overview of the HD/FD4x and HD/FD3x Truss Systems

HD / FD 4X-SERIES

The 40-er Truss Systems are capable of bearing medium duty loads on free spans up to 18m.

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

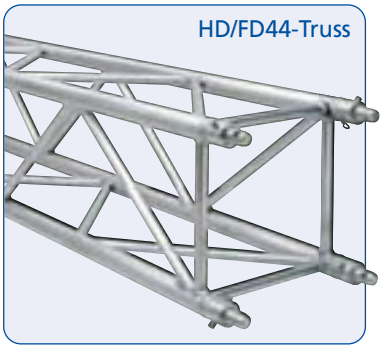
The truss series are made according the TuV specifications and made with the fast connection system.

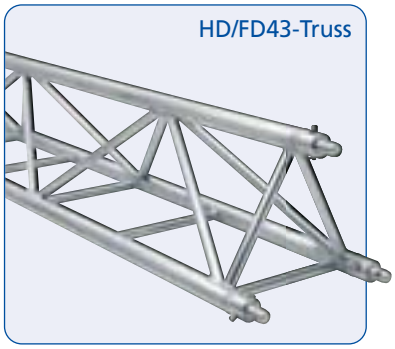
HD / FD 3X-SERIES

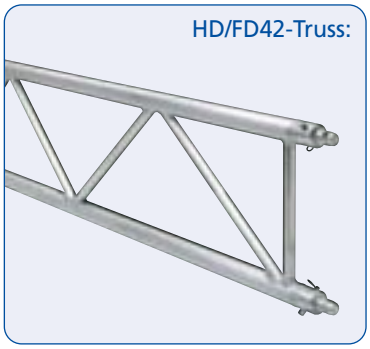
These Truss Systems are capable of bearing medium duty loads on free spans up to 16m.

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

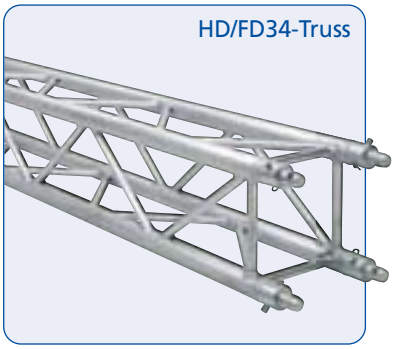
The truss series are made according the TuV specifications and made with the fast connection system.

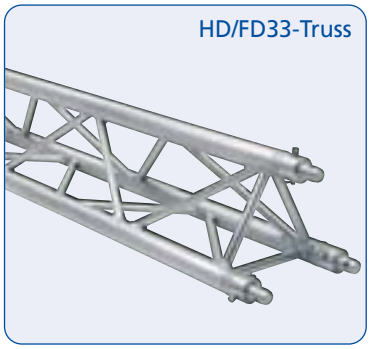

HD/FD44-Truss

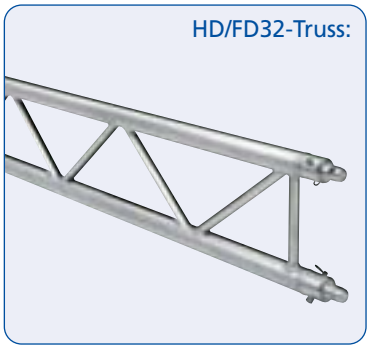

HD/FD43-Truss


HD/FD42-Truss:

Height:	400mm	353mm	400mm
Width:	400mm	400mm	50mm
Weight:	~9,5 / ~7,5kg / m	~5,9 / ~5,1kg / m	~4,5 / ~3,5kg / m
Main Tube:	50 x 3 (2mm)	50 x 3 (2mm)	50 x 3 (2mm)
Braces:	25 x 2mm	25 x 2mm	25 x 2mm
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON	CS1-CON


HD/FD34-Truss


HD/FD33-Truss


HD/FD32-Truss:

Height:	290mm	258mm	290mm
Width:	290mm	290mm	50mm
Weight:	~7,5 / ~6kg / m	~5,5 / ~4,5kg / m	~4 / ~3kg / m
Main Tube:	50 x 3mm (2mm)	50 x 3mm (2mm)	50 x 3mm (2mm)
Braces:	20 x 2mm	20 x 2mm	20 x 2mm
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS1-CON	CS1-CON	CS1-CON

TOWER TRUSS

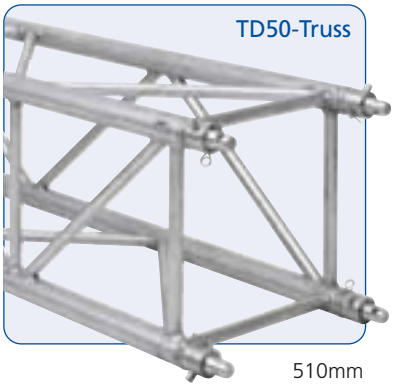
The TD50 Tower Truss is the new mast section for the towers in a TT Ground Support and in a TT Roof System.

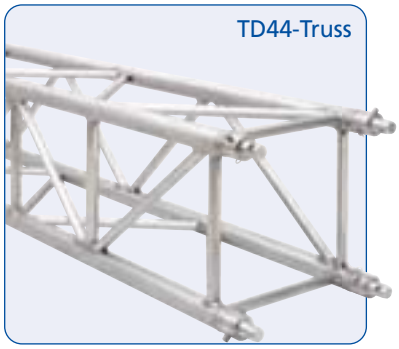
The TD44 Tower Truss is the standard mast section for the towers in a FT, XT and TT Ground Support and Roof System.

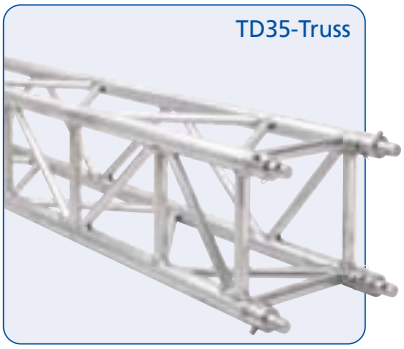
The HD/FD34 Tower Truss is the standard mast section for the towers in a HD/FD34, HD/FD44 and XD Ground Support and also in the 12x10m MD Roof System.

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

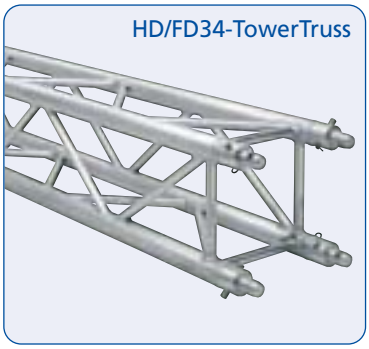
The truss series are made according the TuV specifications and made with the fast connection system.


TD50-Truss

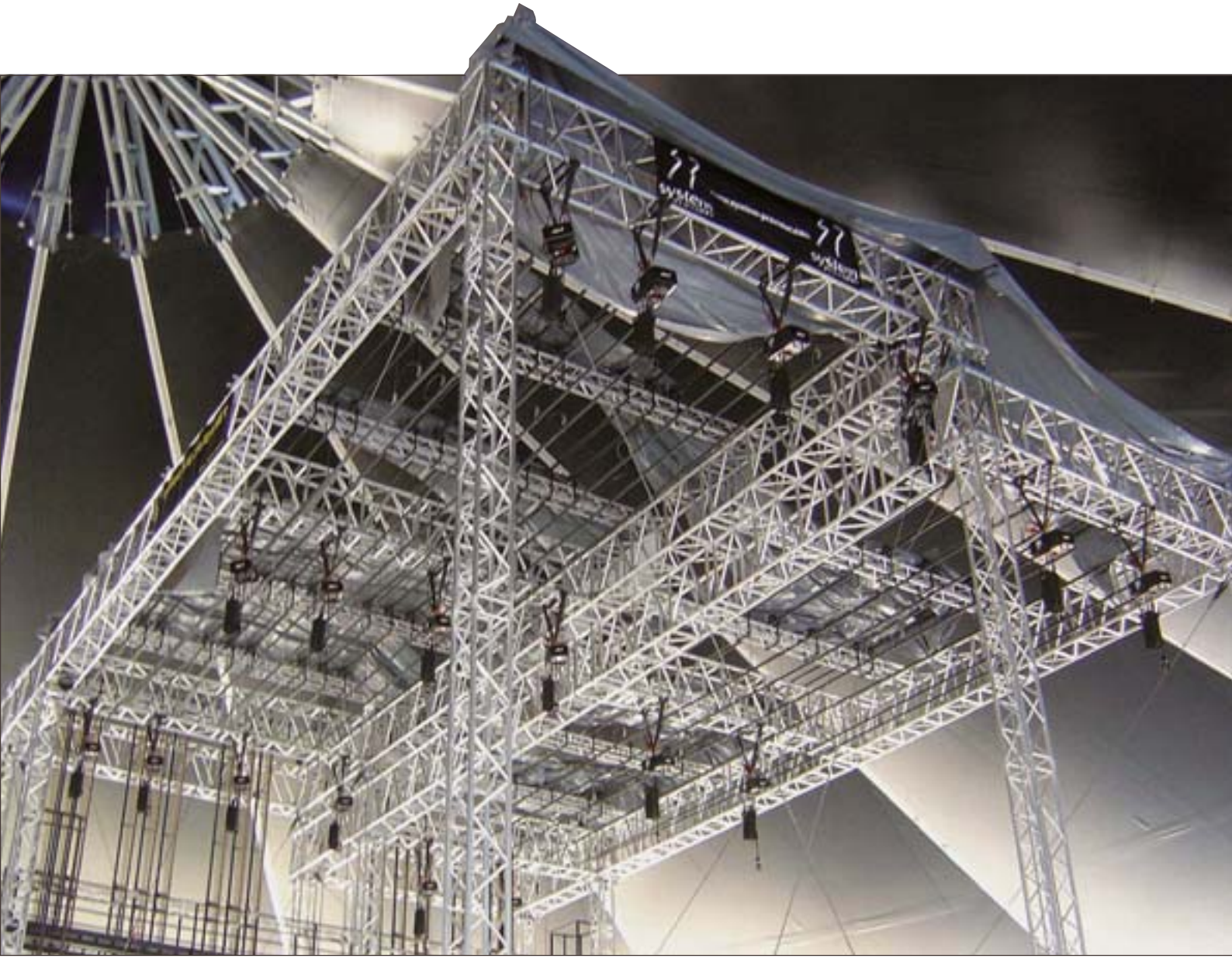

TD44-Truss


TD35-Truss

Height:	510mm	400mm	350mm
Width:	510mm	400mm	350mm
Weight:	~16,5kg / m	~9,5kg / m	~8,5kg / m
Main Tube:	60 x 5mm	50 x 3mm	50 x 3mm
Braces:	30 x 3mm	25 x 2mm	25x2mm / 30x3mm
Material:	EN AW-6082 T6	EN AW-6082 T6	EN AW-6082 T6
Connection:	CS3-CON	CS1-CON	CS1-CON


HD/FD34-TowerTruss

Height:	290mm
Width:	290mm
Weight:	~7,5 / ~6kg / m
Main Tube:	50 x 3mm (2mm)
Braces:	20 x 2mm
Material:	EN AW-6082 T6
Connection:	CS1-CON



Pre Rig Truss

TT Truss
XT Truss
FT100 Folding Truss

TT Rectangular Truss

Pre Rig Truss for huge loads and long spans

The ultimate Pre Rig Truss for spans up to 40m

TT RECTANGULAR TRUSS

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

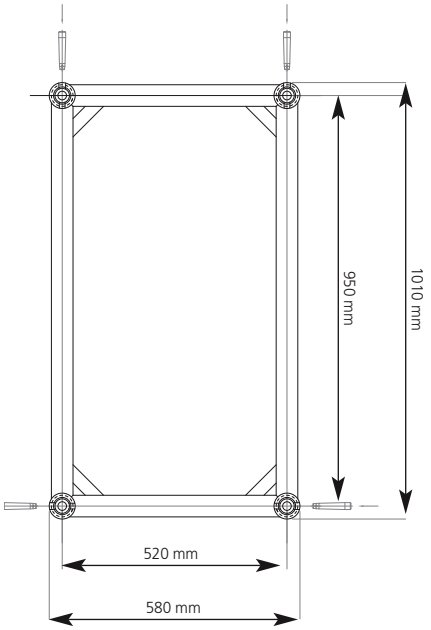
Due to its special shape and dimensions the TT Truss exhibits a great rigidity and can thus be used for long spans with high loadings. The 60x5mm tube reduces transportation damage and guarantees extreme durability.

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 TT



TT-TRUSS FACTS

- **Tolerance free conical connector**
- **High stability aluminium alloy**
- **Excellent load bearing capacity**
- **Low dead weight**
- **High wear resistance**
- **TuV approved**
- **5mm Wall thickness of 60mm main tube**

Measurements TT

Main tube:	60x 5mm
Braces:	50x 3mm / 30x 3mm
Material:	EN AW-6082 T6
Connection:	CS3-CON
Weight:	~25 kg/m

Loadcases TT

Length (m)	12	16	20	24	28	32	36	40
CPL in kg	4310	3143	2423	1926	1556	1266	1029	829
Deflection (mm)	29	52	82	119	164	217	279	351
UDL in kg/mtr	634	393	242	160	111	79	57	41
Deflection (mm)	31	60	91	124	160	194	224	248

TT Rectangular Truss

TT Corner Block allows various shapes

TT-SYSTEM **CORNER**

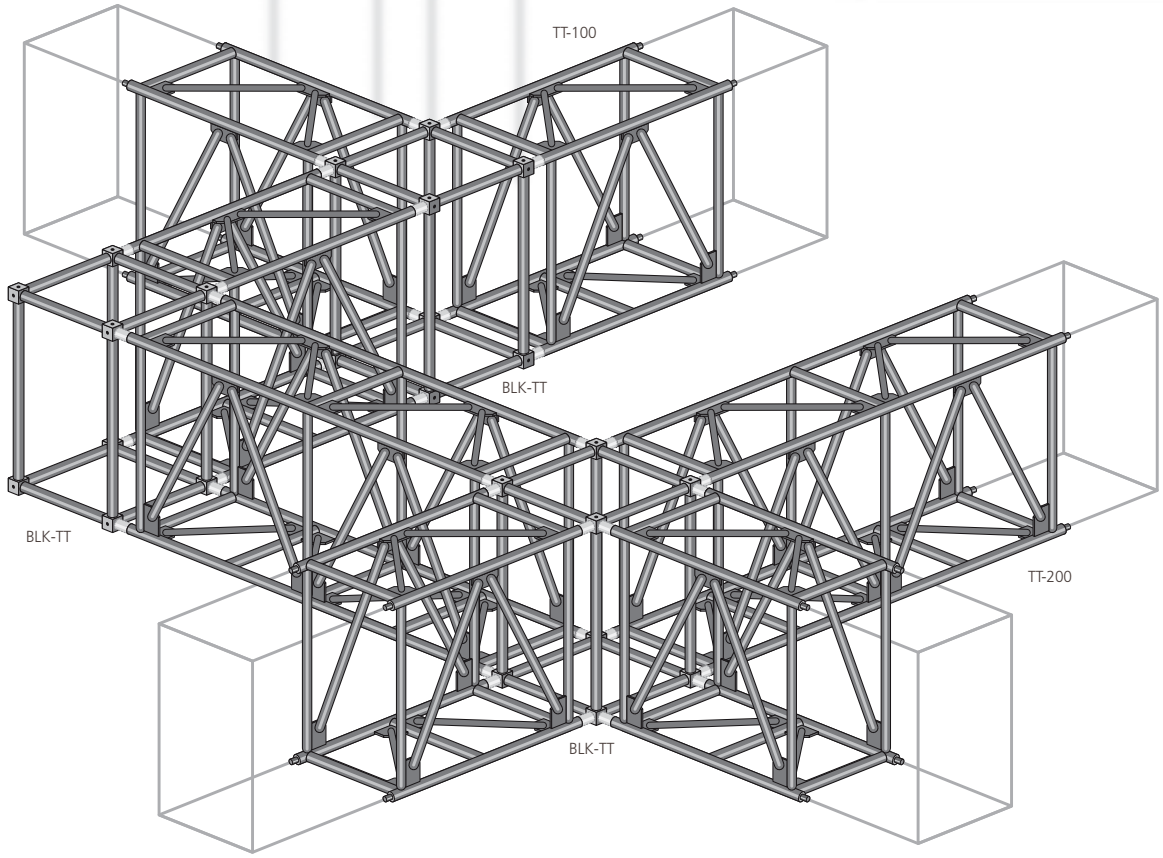
The TT-System structures on one level allows various structural shapes by using the TT Corner Block.

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 Groundsupports.

The TT corner blocks have a standard bold on receiver attachment of a length of 85mm.

Complementary accessories and the article codes of the TT System can be found at the page 160.

One level construction

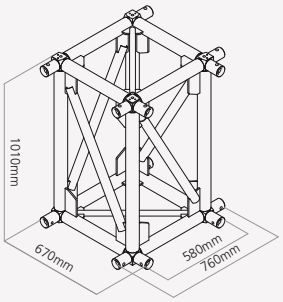


Measurement Corners for TT-System

Corner	Size in cm
2-Way BLK-TT	67 x 67
3-Way BLK-TT	76 x 67
4-Way BLK-TT	76 x 76
BLK-TT	90° in 4 dir.

Receiver	Size in cm
CS3-BOB85	85mm *

*4 pcs. required for one attachment



XT Rectangular Truss

Pre Rig Truss for huge loads and long spans

The ultimate Pre Rig Truss for spans up to 30m

XT RECTANGULAR TRUSS

The XT Truss lends itself to use as bending resistant spans at a free span of 30m 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 tube reduces transportation damage and guarantees extreme durability.

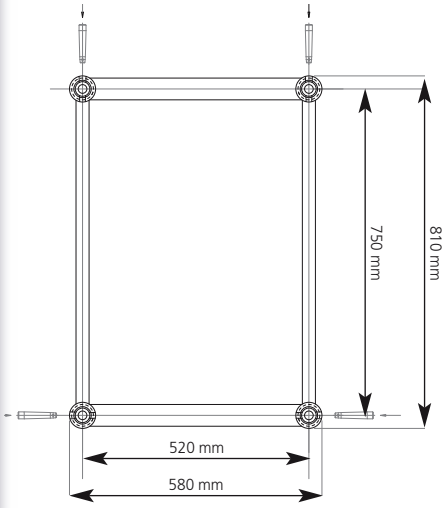
Trussing with a big profile geometry have long braces which have a risk of bending. Therefore it is necessary to use bracing with a bigger diameter. This causes other problems which needs to be considered.

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.

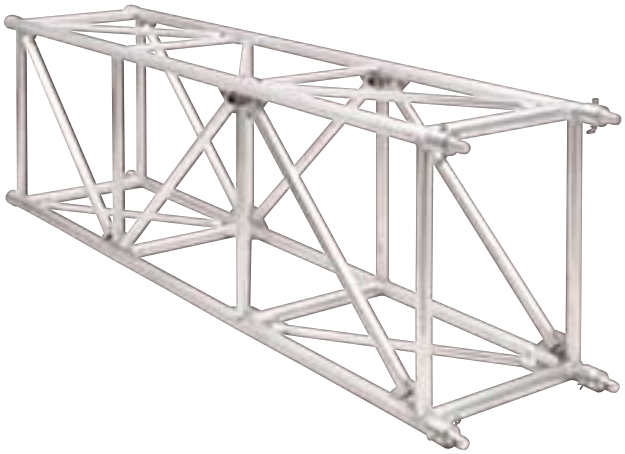
Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Dimensions XT



XT-TRUSS FACTS

- **Tolerance free conical connector**
- **High stability aluminium alloy**
- **Excellent load bearing capacity**
- **Low dead weight**
- **High wear resistance**
- **TuV approved**
- **4mm Wall thickness of 50mm main tube**



Measurements XT

Main tube:	50x 4mm
Braces:	50x / 40x / 30x 3mm
Material:	EN AW-6082 T6
Connection:	CS3-CON
Weight:	~20 kg/m

Loadcases XT

Length (m)	12	16	20	22	24	26	28	30
CPL in kg	2234	1604	1210	1061	934	823	725	637
Deflection (mm)	37	66	105	128	154	182	213	247
UDL in kg/mtr	349	201	121	96	78	63	52	42
Deflection (mm)	43	81	127	153	182	214	248	285

XT-SYSTEM **CORNER**

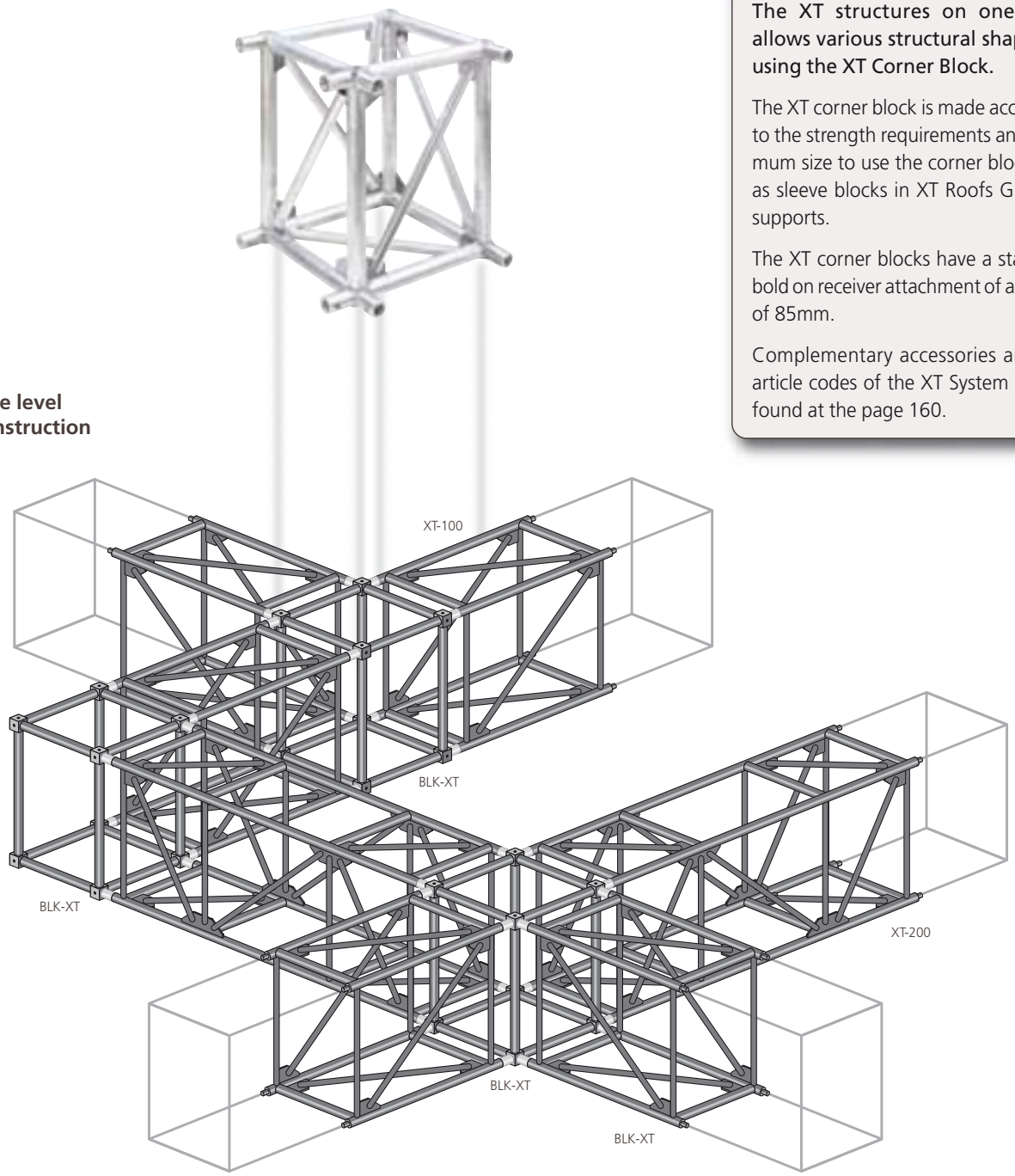
The XT structures on one level allows various structural shapes by using the XT Corner Block.

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.

Complementary accessories and the article codes of the XT System can be found at the page 160.

One level construction

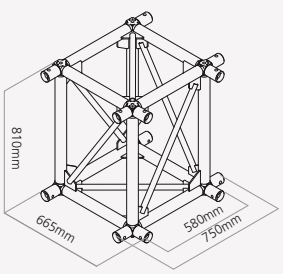


Measurement Corners for XT-System

Corner	Size in cm
2-Way BLK-XT	66,5 x 66,5
3-Way BLK-XT	75 x 66,5
4-Way BLK-XT	75 x 75
BLK-XT	90° in 4 dir.

Receiver	Size in cm
CS3-BOB85	85mm *

*4 pcs. required for one attachment



FT100 Folding Truss

Folding Truss with a trapezium geometric for extreme loads

The ultimate Pre Rig Truss for spans up to 44m

FT100 FOLDING TRUSS

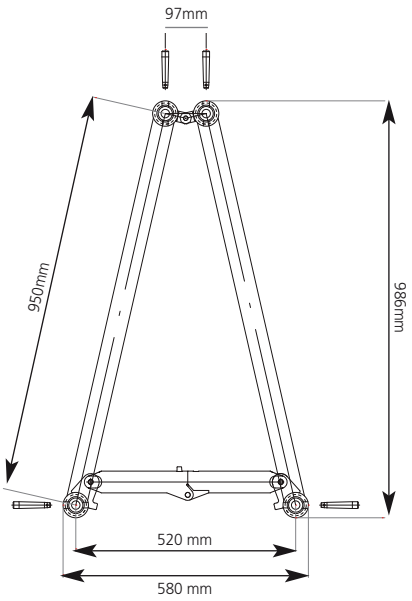
The FT100 Truss lends itself to use as bending resistant spans at a free span of 44m with an extreme load bearing capacity of 1232 kg UDL.

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 FT 100 has only a height of 16cm. The 60x5mm 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



FT100-TRUSS FACTS

- **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 Wall thickness of 60mm main tube**

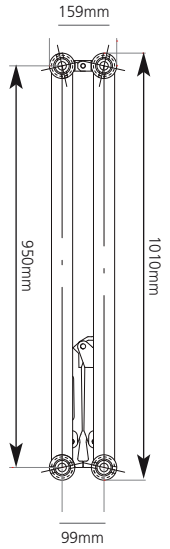
Measurements FT100

Main tube:	60x 5mm
Braces:	50x 3mm
Material:	EN AW-6082 T6
Connection:	CS3-CON
Weight:	~22 kg/m

Loadcases FT100

Length (m)	12	16	20	24	28	32	40	44
CPL in kg	3960	2890	2229	1774	1435	1170	771	613
Deflection (mm)	28	50	79	115	159	210	338	417
UDL in kg/mtr	563	361	223	148	103	73	39	28
Deflection (mm)	30	62	97	139	190	248	387	468

Dimensions FT100 – Folded Position



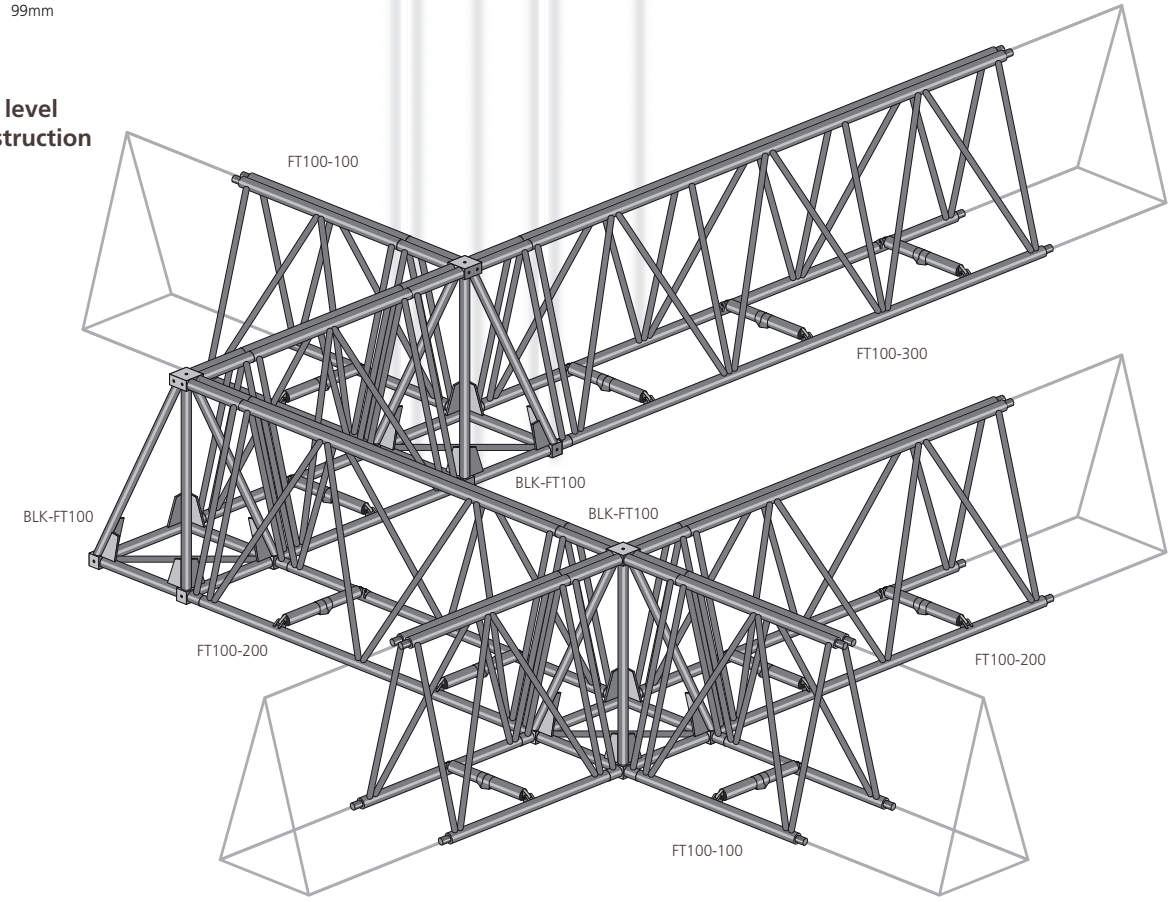
FT100-SYSTEM CORNER

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.

Complementary accessories and the article codes of the FT100 System can be found at the page 160.

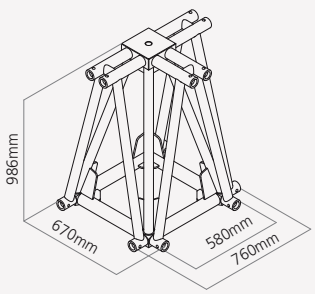
One level construction



Measurement Corners for FT100-System

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

Attachment	Size in cm
BLK-A-FT100	FT100 Adapter for Cornerblock



Heavy Truss

ST Truss
FT50 Folding Truss
XD Truss

ST Square Truss

Square Truss for mammoth loads

Square Trussing for mammoth loads

ST SQUARE TRUSS

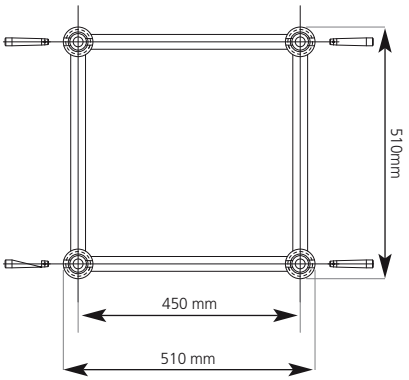
The ST System meets the demand for a truss with a high load bearing capacity that lends itself to safe outdoor use, even at a free span of up to 24m at high load.

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 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



ST SQUARE TRUSS FACTS

- **Tolerance free connection with conical connector**
- **High Stability aluminium alloy**
- **Excellent load-bearing capacity combined with low dead weight**
- **4mm Wall thickness of 50mm main tube**
- **Optimum dimensioning of all components**
- **Optimum manufacturing quality**
- **TuV approved**
- **High wear resistance**

Measurement ST Truss

Main tube:	50x 4mm
Braces:	30x 3mm
Material:	EN AW-6082 T6
Connection:	CS3-CON
Weight:	~13,5 kg/m

Loadcases ST

Length (m)	10	12	14	16	18	20	22	24
CPL in kg	1629	1332	1117	951	820	712	621	543
Deflection (mm)	43	62	84	111	141	175	214	257
UDL in kg/mtr	326	222	160	119	91	71	56	45
Deflection (mm)	53	76	103	135	171	211	255	303

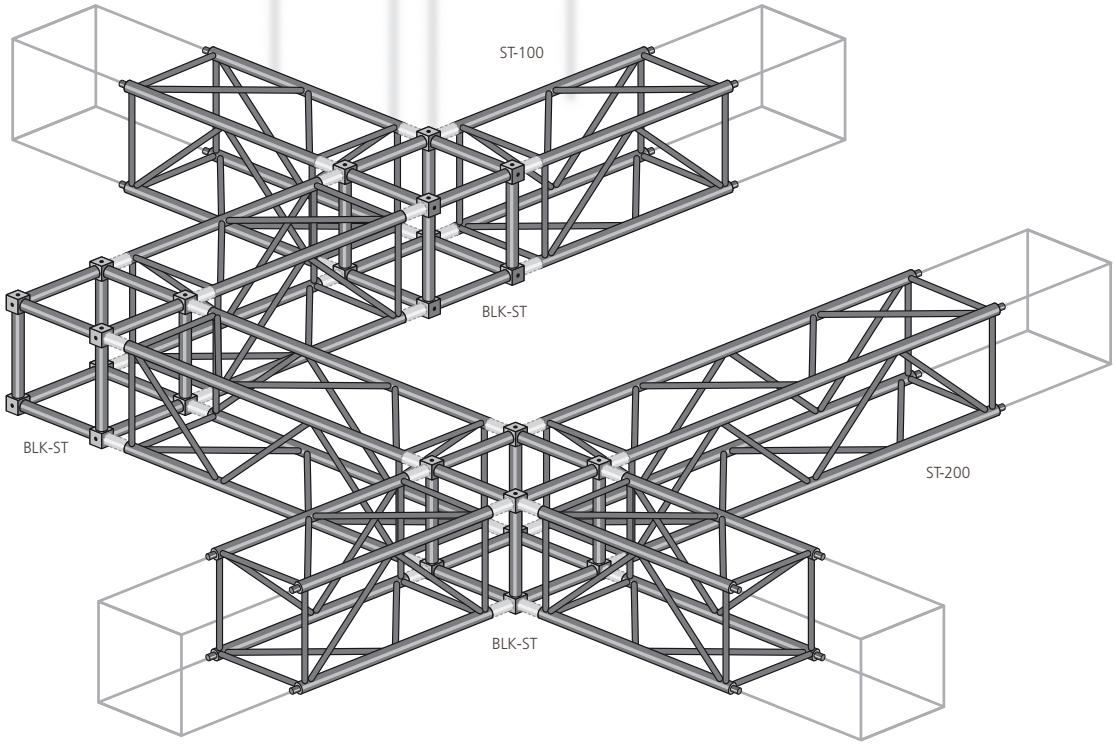
ST-SYSTEM **CORNER**

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.

Complementary accessories and the article codes of the ST System can be found at the page 161.

One level construction

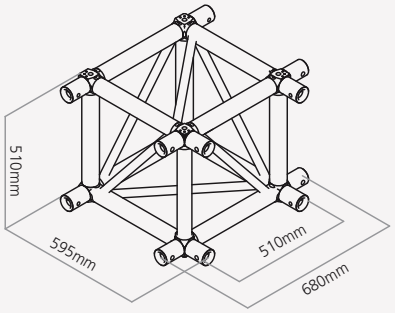


Measurement Corners for ST-System

Cornercode	Size in cm
2-Way BLK-ST	59,5 x 59,5
3-Way BLK-ST	68 x 59,5
4-Way BLK-ST	68 x 68
BLK-ST	90° in 6 dir.

Receiver	Size in cm
CS3-BOB85	85mm*

*4 pcs. required for one attachment



FT50 Folding Truss

Folding Truss with a trapezium geometric for extreme loads

Folding Truss with extreme load capacity

FT50 FOLDING TRUSS

Saving space – unique fold flat capacity

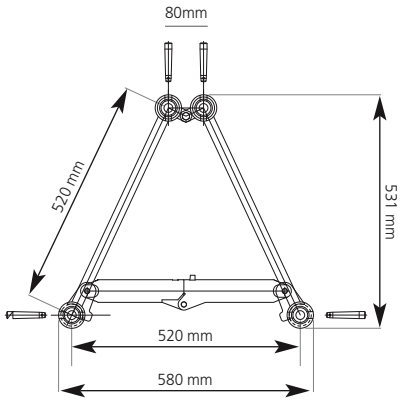
The FT50 Folding Truss is the perfect solution for touring events.

Used extensively for heavy loading and easily compatible with 40-er (2t) Ground Support Towers.

In large rig structures fixed (non-foldable) corners are available.

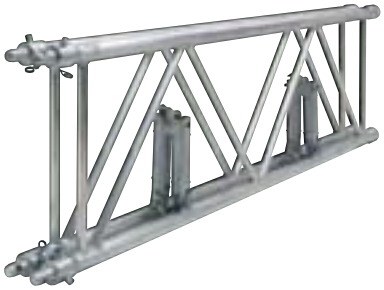
Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

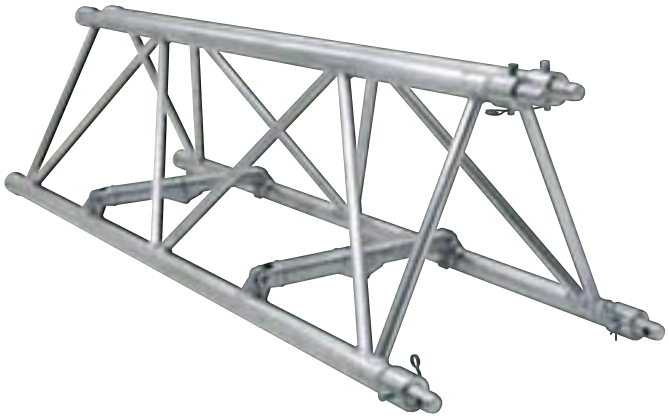
Dimensions FT50



FT50-TRUSS FACTS

- **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 Wall thickness of 50mm main tube**





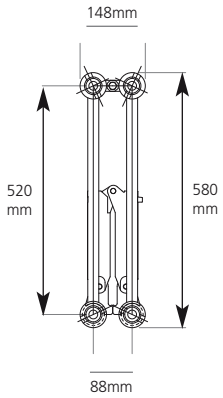
Measurements FT50 Truss

Main tube:	50x 4mm
Braces:	25x 3mm
Material:	EN AW-6082 T6
Connection:	CS3-CON
Weight:	~13,5 kg/m

Loadcases FT50

Length (m)	8	10	12	14	16	18	20	24
CPL in kg	1850	1450	1200	1005	855	735	640	470
Deflection (mm)	22	35	48	70	86	118	137	214
UDL in kg/m	465	293	198	143	107	82	63	41
Deflection (mm)	28	44	59	86	113	144	176	261

Dimensions FT50 – Folded Position



FT50-SYSTEM CORNER

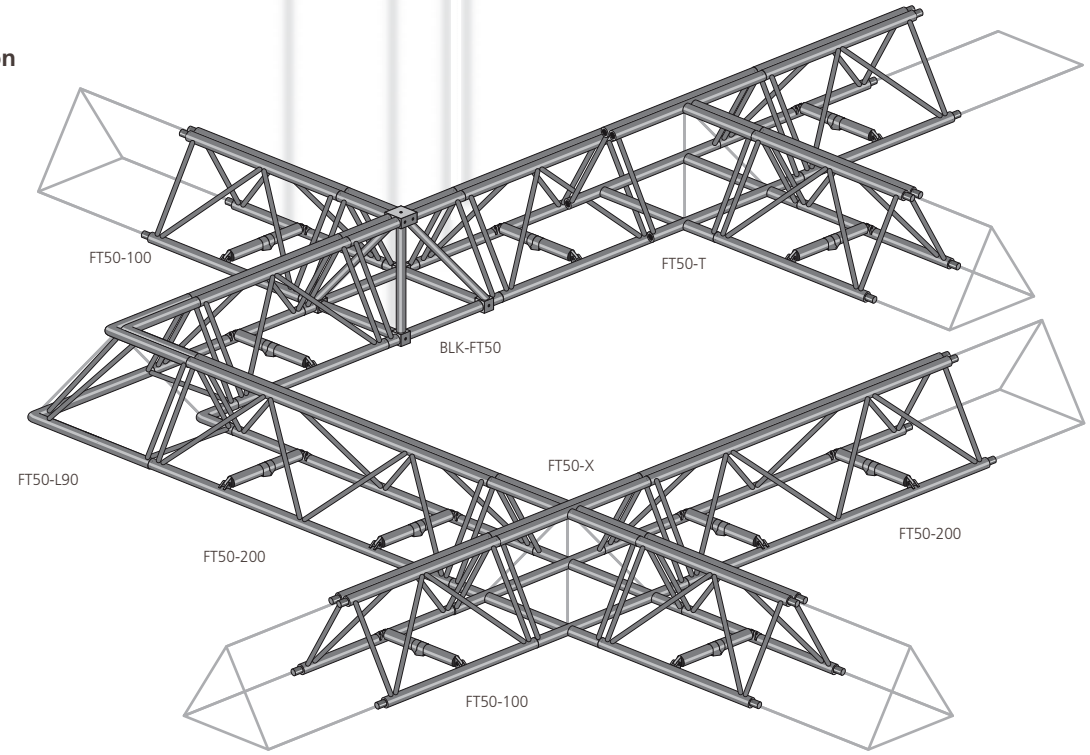
The FT50 structures on one level allow various structural shapes by using the special designed FT50 corner block as well as using standard corners and tees.

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.

Complementary accessories and the article codes of the FT50 System can be found at the page 161.

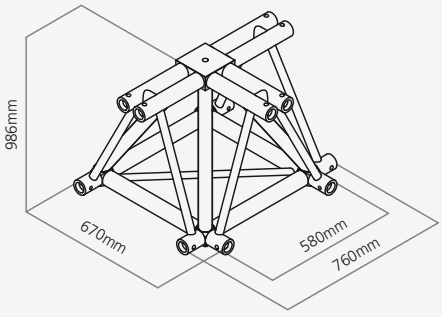
One level construction



Measurement Corners for FT50-System

Cornercode	Size in cm
FT50-L90	78,5 x 78,5
FT50-T	100 x 78,5
FT50-X	100 x 100
BLK-FT50	90° in 4 dir.

Attachment	Size in cm
BLK-A-FT50	FT50 Adapter for Cornerblock



XD Rectangular Truss

Rectangular truss for large loads

High load capacity at free spans up to 20m:

XD RECTANGULAR TRUSS

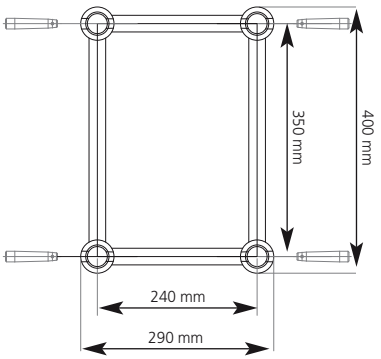
XD straight elements lend themselves to use as span exposed to bending stress resistant spans for vertical loads at a free span of up to 20m at high load.

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

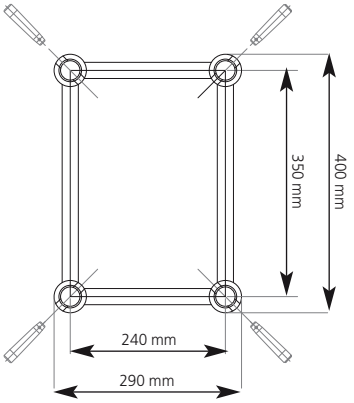
Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

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



Horizontal Pin



Diagonal Pin

XD-TRUSS FACTS

- **Tolerance free conical connector**
- **High stability aluminium alloy**
- **Excellent load bearing capacity**
- **Low dead weight**
- **High wear resistance**
- **3mm Wall thickness of 50mm main tube**
- **Optimum dimensioning of components**
- **TuV approved**

Measurements XD

Main tube:	50x 3mm
Braces:	25x 3mm
Material:	EN AW-6082 T6
Connection:	CS2-CON
Weight:	~9 kg/m

Loadcases XD Truss

Length (m)	6	8	10	12	14	16	18	20
CPL in kg	1807	1339	1055	862	722	615	529	459
Deflection (mm)	21	38	59	86	117	154	197	245
UDL in kg/mtr	602	335	211	144	103	77	59	46
Deflection (mm)	26	47	73	106	144	188	238	244

XD Rectangular Truss

XD Corners allows shapes in two dimensions

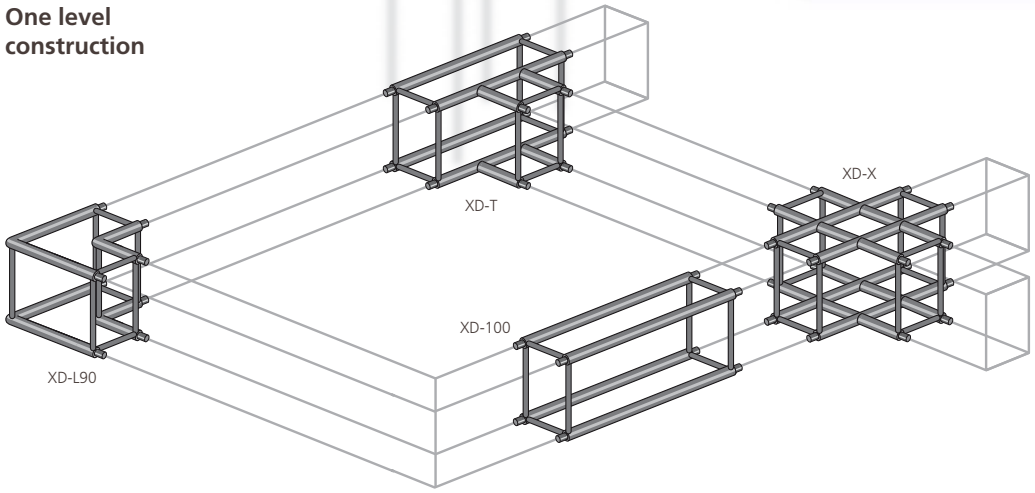
XD-SYSTEM | **CORNER**

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).

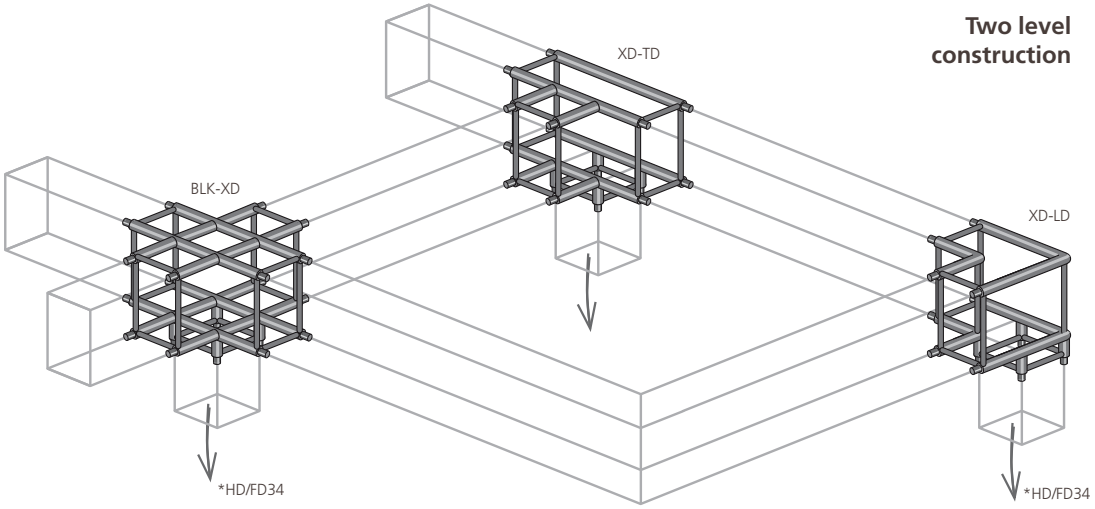
All the transitions down are predestined on HD34 / FD34 to create structures on two levels.

Complementary accessories and the article codes of the XD System can be found at the page 161.

One level construction



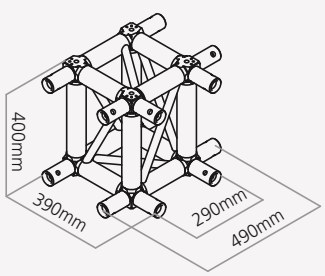
Two level construction



Measurement Corners for XD-System**

Cornercode	Size in cm
XD-L90**	50 x 50
XD-T**	71 x 50
XD-T1**	71 x 42
XD-X**	71 x 71
XD-LD**	50 x 50 x 50

Cornercode	Size in cm
XD-TD**	71 x 50 x 50
XD-XD**	71 x 71 x 50
BLK-XD*	90° in 4 dir. + 2 dir. HD/FD34
CS2-BOB95	95mm***



* D = down attachment HD/FD34
** H = horizontal pin / D=diagonal pin
***4 pcs. required for one attachment

HD / FD Truss

HD44 / FD44
HD43 / FD43
HD42 / FD42
HD34 / FD34
HD33 / FD33
HD32 / FD32

HD44 / FD44 Square Truss

Square Trussing with a square profile geometry for heavy loads

Square Truss for Heavy loads

HD44/FD44 SQUARE TRUSS

HD44 / FD44 with excellent load capacity on free spans of 18m / 16m or to be used as tower elements:

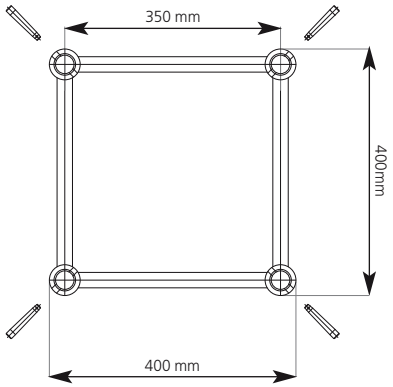
HD44 / FD44 straight elements lend themselves to use as span exposed to bending stress resistant span up to 18m or as standard tower element.

HD44 using the 3mm 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.

Dimensions HD44 / FD44



HD44 TRUSS FACTS

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

FD44 TRUSS FACTS

- **Tolerance free conical connector**
- **2mm Wall thickness of 50mm main tubes**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD44	FD44
Main tube:	50x 3mm	50x 2mm
Braces:	25x 2mm	25x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~9,5 kg/m	~7,5 kg/m

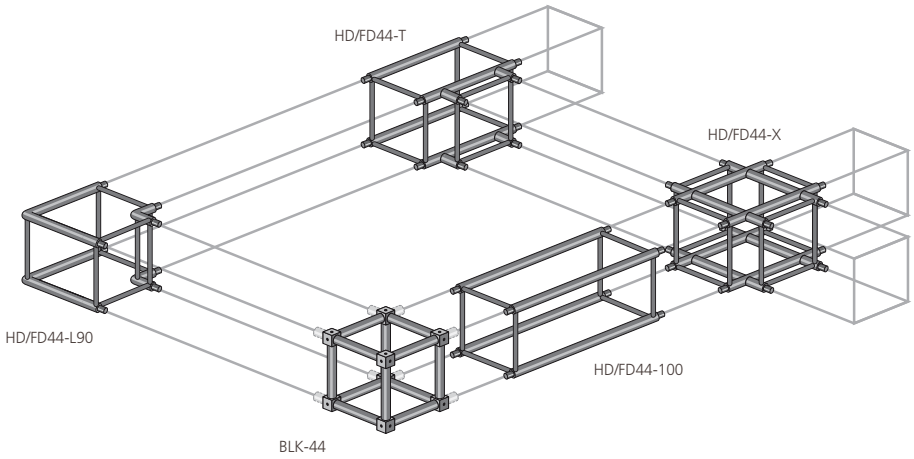
Loadcases HD44

Length (m)	5	6	8	10	12	14	16	18
CPL in kg	1750	1447	1068	837	680	565	476	405
Deflection in mm	12	17	30	48	69	95	125	160
UDL in kg/m	599	482	267	167	113	81	59	45
Deflection in mm	13	21	36	56	78	103	130	157

HD44 / FD44 Square Truss

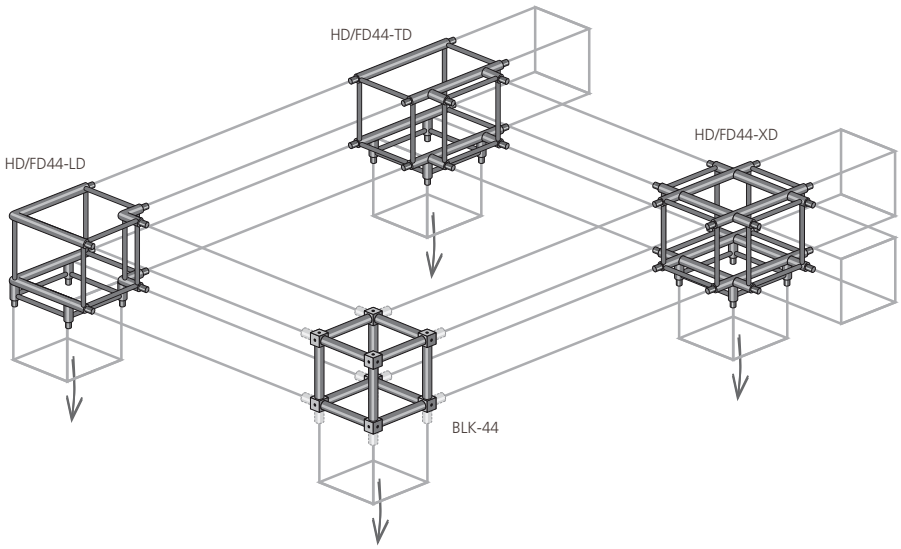
Universal Corner Block for various shapes

One level construction




BLK-44

Two level construction



HD44 / FD44 CORNER

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 is the answer.

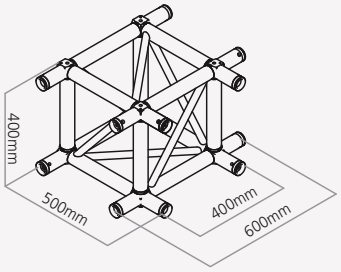
Complementary accessories and the article codes of the HD44 System can be found at the page 162. For FD44 System look at page 164.

Measurement Corners for HD44 / FD44

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

Loadcases FD44

Length (m)	5	6	8	10	12	14	16
CPL in kg	1190	990	730	570	470	390	330
Deflection in mm	12	17	31	49	72	99	132
UDL in kg/m	470	330	183	115	78	56	42
Deflection in mm	15	21	38	60	87	120	161



*4 pcs. required for one attachment

HD43 / FD43 Triangle Truss

Triangular Truss with equilateral profile geometry for heavy loads

Triangular Truss for Heavy loads

HD43/FD43 TRIANGLE TRUSS

HD43 / FD43 with excellent load capacity on free spans of 16m.

HD43 / FD43 straight elements lend themselves to use as span exposed to bending stress resistant span up to 16m.

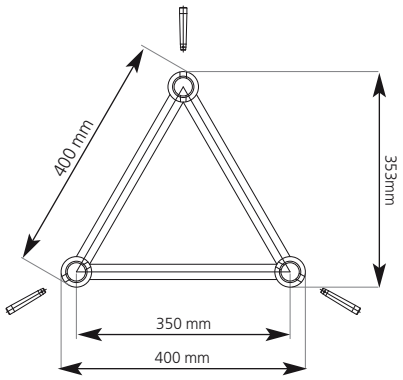
HD43 using the 3mm wall thickness assures durability and extra strength.

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.

Dimensions HD43 / FD43



HD43 TRUSS FACTS

- **Increased wall thickness of 3mm for 50mm main tubes**
- **Increased loading compared to FD43 (up to 50%)**

FD43 TRUSS FACTS

- **Tolerance free conical connector**
- **2mm Wall thickness for 50mm main tubes**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD43	FD43
Main tube:	50x 3mm	50x 2mm
Braces:	25x 2mm	25x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~5,9 kg/m	~5,1 kg/m

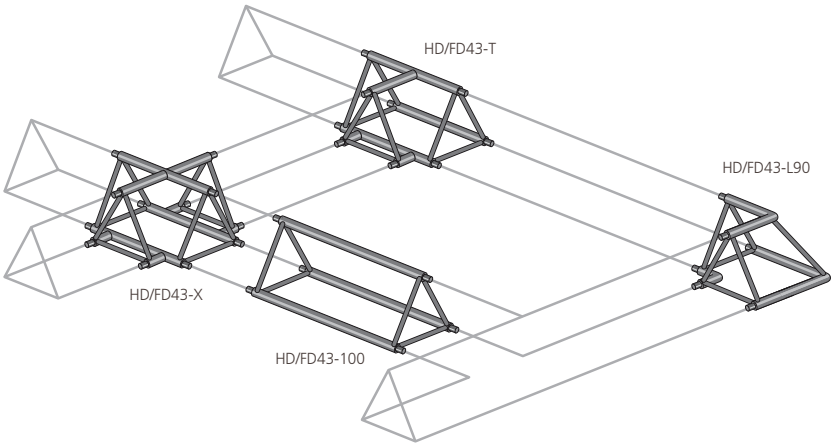
Loadcases HD43

Length (m)	5	6	8	10	12	14	16
CPL in kg	774	639	469	364	292	240	198
Deflection (mm)	11	15	27	43	62	85	112
UDL in kg/mtr	309	213	117	73	49	34	25
Deflection (mm)	13	19	34	52	75	103	134

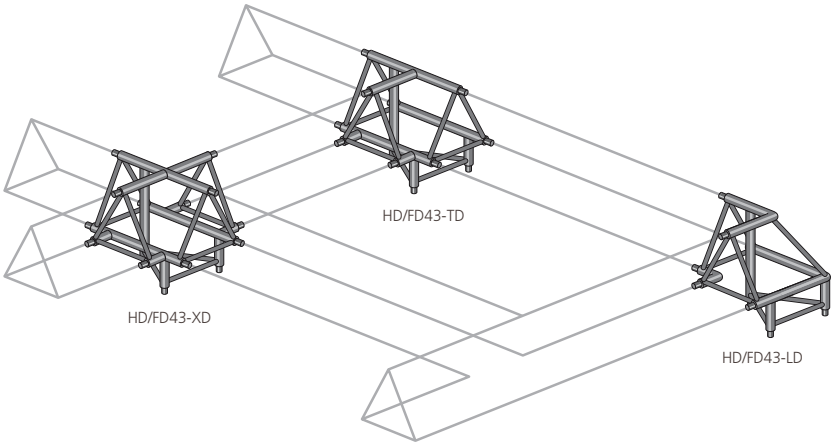
HD43 / FD43 Triangle Truss

Triangular Truss with equilateral profile geometry for heavy loads

One level construction



Two level construction



HD43 / FD43 CORNER

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.

Complementary accessories and the article codes of the HD43 System can be found at the page 162. For FD43 System see page 164.

Measurement Corners for HD43 / FD43

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

Loadcases FD43

Length (m)	5	6	8	10	12	14	16
CPL in kg	500	410	300	230	185	150	129
Deflection in mm	10	15	26	41	61	84	111
UDL in kg/m	200	135	75	45	30	20	16
Deflection in mm	13	18	32	49	72	94	135

HD42 / FD42 Ladder Truss

Ladder truss for medium loads

Ladder truss for vertical rigs

HD42 / FD42 LADDER TRUSS

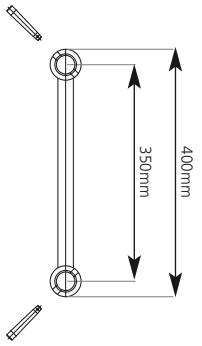
HD42/FD42 guarantees optimum load bearing capacity up to spans of 8m.

HD42/ FD42 straight elements lend themselves to use as span exposed to bending stress, cantilevered up to 4m or supported up to 8m.

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.

Dimensions HD42 / FD42



HD42 TRUSS FACTS

- **Increased wall thickness of 3mm for 50mm main tubes**
- **Increased loading compared to FD42 (up to 50%)**
- **Compatible with HD44**

FD42 TRUSS FACTS

- **Tolerance free conical connector**
- **Wall thickness of 2mm for 50mm main tubes**
- **Compatible with FD44**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD42	FD42
Main tube:	50x 3mm	50x 2mm
Braces:	25x 2mm	25x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~4,5 kg/m	~3,5 kg/m

Loadcases HD42	unsupported:			…every 1,1m supported:				
Length (m)	2	3	4	4	5	6	7	8
CPL in kg	523	151	60	772	614	510	435	378
Deflection (mm)	1	1	1	7	13	18	24	32
UDL in kg/m	523	101	30	368	246	170	124	95
Deflection (mm)	1	1	1	9	15	22	29	39

HD42 / FD42 Ladder truss

Ladder truss for medium loads

BLK-42

HD42 / FD42 CORNER

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.

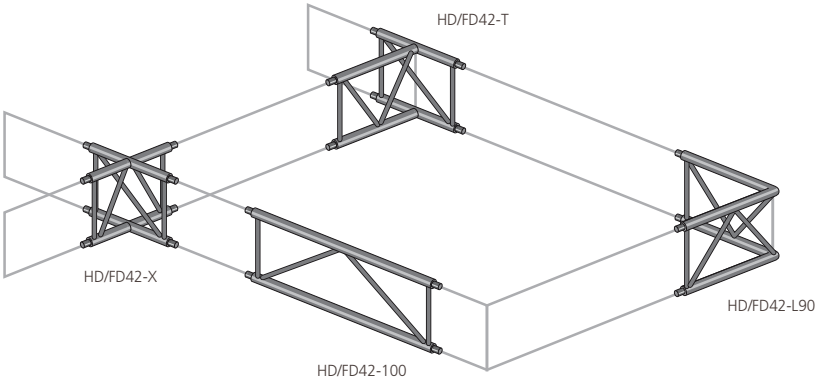
Other than HD32 / FD32 System the HD42 / FD42 System is only suitable for using vertically.

Complementary accessories and the article codes of the HD42 System can be found at the page 163. For FD42 System see page 165.

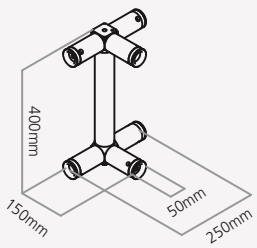
Measurement Corners
for HD42 / FD42

Cornercode	Size in cm
HD/FD42-L45/V	50 x 50 – Vertical
HD/FD42-L60/V	50 x 50 – Vertical
HD/FD42-L90/V	50 x 50 – Vertical
HD/FD42-L120/V	50 x 50 – Vertical
HD/FD42-L135/V	50 x 50 – Vertical
HD/FD42-T/V	50 x 50 – Vertical
HD/FD42-X/V	50 x 50 – Vertical
BLK-42	90° in 4 dir.*
CS1-BOB105	105mm
CS1-BOB210	210mm

Vertical construction on one level



Loadcases FD42	unsupported:			…every 1,1m supported:				
Length (m)	2	3	4	4	5	6	7	8
CPL in kg	498	144	57	735	585	486	414	360
Deflection (mm)	1	1	1	7	12	17	23	30
UDL in kg/m	498	96	29	368	234	162	118	90
Deflection (mm)	1	1	1	9	14	21	28	37



*2 pcs. required for one attachment

HD34 / FD34 Square Truss

Square Trussing with a square profile geometry for larger loads.

Square Trussing for Heavy loads

HD34 / FD34 SQUARE TRUSS

HD34 / FD34 with excellent load capacity on free spans of 18m / 16m or to be used as tower elements:

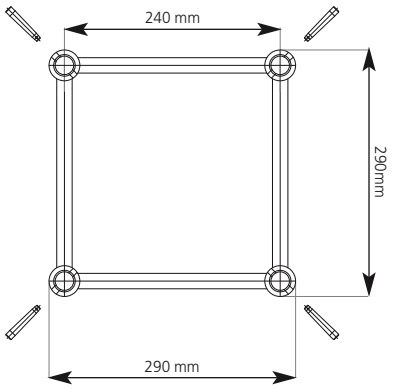
HD34 / FD34 straight elements lend themselves to use as span exposed to bending stress resistant span up to 18m / 16m or as standard tower element.

HD34 using the 3mm 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.

Dimensions HD34 / FD34



HD34 TRUSS FACTS

- **Increased wall thickness of 3mm for 50mm main tubes**
- **Increased loading compared to FD34 (up to 50%)**
- **Also usable as HD34 Tower Truss**
- **TuV approved**

FD34 TRUSS FACTS

- **Tolerance free conical connector**
- **Wall thickness of 2mm for 50mm main tubes**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD34	FD34
Main tube:	50x 3mm	50x 2mm
Braces:	20x 2mm	20x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~7,5 kg/m	~6 kg/m

Loadcases HD34

Length (m)	5	6	8	10	12	14	16	18
CPL in kg	1195	990	730	571	463	384	322	273
Deflection (mm)	17	25	44	69	100	137	181	231
UDL in kg/mtr	465	330	183	114	77	55	40	30
Deflection (mm)	21	30	52	80	112	148	185	223

HD34 / FD34 CORNER

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 cornerblock with bold on receivers in various lengths is the answer.

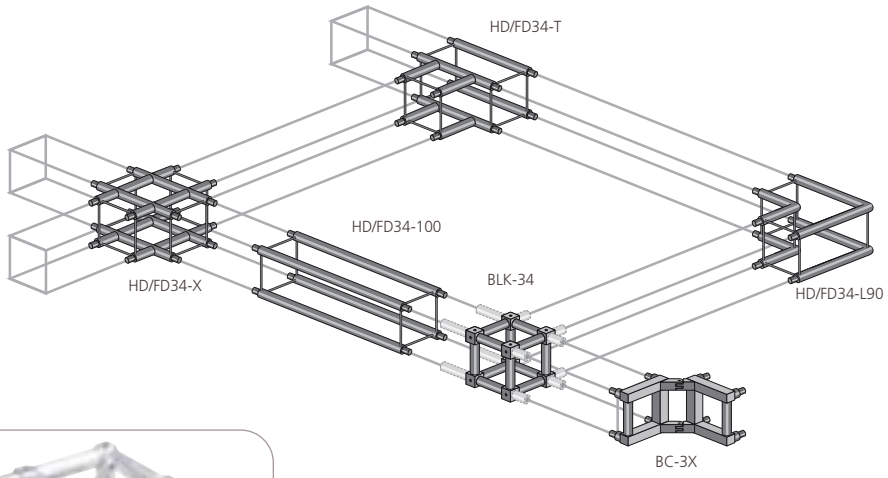
In the cornerblock as well as in the bold on receivers a small hole is drilled to match a spring pin so the position is determined. Easy to connect, safe and fully locked.

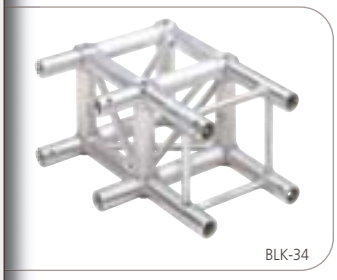
Complementary accessories and the article codes of the HD34 System can be found at the page 166. For FD34 System look at page 168.

Measurement Corners
for HD34 / FD34

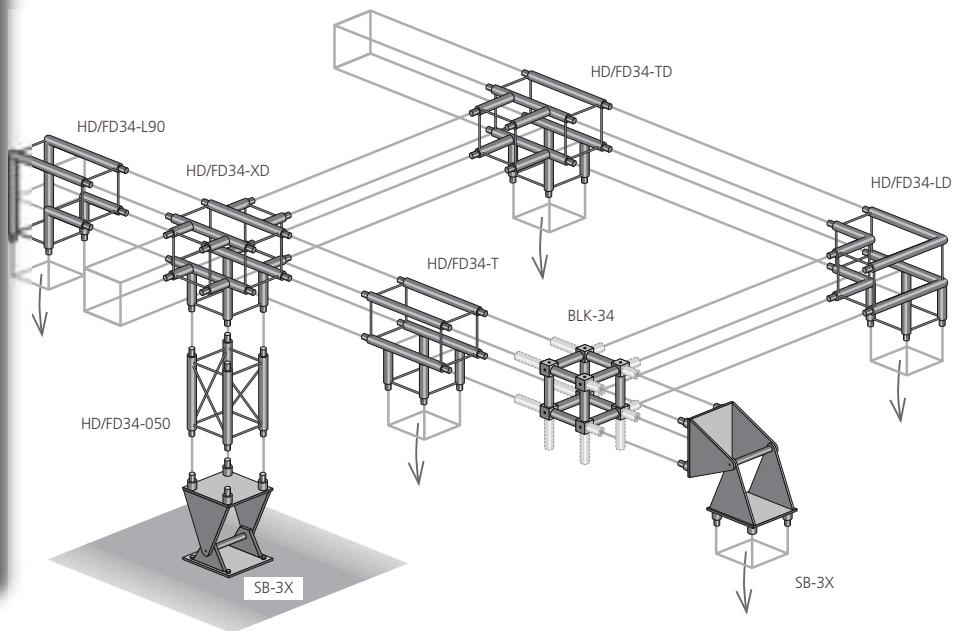
Cornercode	Size in cm
HD/FD34-L45	100 x 100
HD/FD34-L60	100 x 100
HD/FD34-L90	50 x 50
HD/FD34-L120	50 x 50
HD/FD34-L135	50 x 50
HD/FD34-T	50 x 50
HD/FD34-X	50 x 50
HD/FD34-LD	50 x 50
HD/FD34-TD	50 x 50
HD/FD34-XD	50 x 50 x 50
HD/FD34-XUD	50 x 50 x 50
BLK-34	90° in 6 dir.
CS1-BOB105	105mm*
CS1-BOB210	210mm*
SC-3X	0-180°, Swivelcorner
SB-3X	0-180°, Swivelbase
BC-3X	0-180°, Bookcorner

One level construction



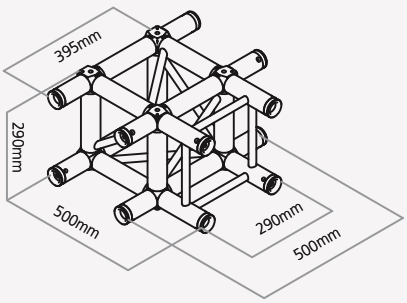


Two level construction



Loadcases FD34

Length (m)	4	6	8	10	12	14	16
CPL in kg	950	670	497	385	331	260	249
Deflection (mm)	10	25	44	70	105	141	202
UDL in kg/mtr	460	224	124	80	55	36	31
Deflection (mm)	12	31	54	88	128	166	243



*4 pcs. required for one attachment

HD34 / FD34 Square Truss

Square Trussing with a square profile geometry for larger loads.

Square Trussing for Heavy loads

HD34 / FD34 SQUARE TRUSS

HD34 / FD34 with excellent load capacity on free spans of 18m / 16m 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 or as standard tower element.

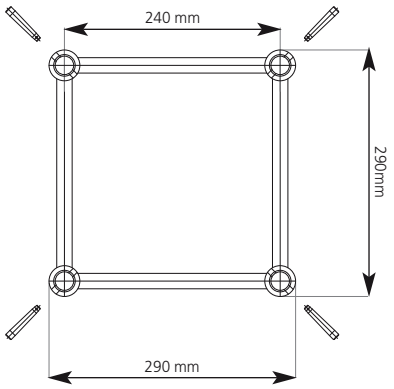
HD34 using the 3mm wall thickness assures durability and extra strength.

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.

Dimensions HD34 / FD34



HD34 TRUSS FACTS

- **Increased wall thickness of 3mm for 50mm main tubes**
- **Increased loading compared to FD34 (up to 50%)**
- **Also usable as HD34 Tower Truss**
- **TuV approved**

FD34 TRUSS FACTS

- **Tolerance free conical connector**
- **Wall thickness of 2mm for 50mm main tubes**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD34	FD34
Main tube:	50x 3mm	50x 2mm
Braces:	20x 2mm	20x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~7,5 kg/m	~6 kg/m

Loadcases HD34

Length (m)	5	6	8	10	12	14	16	18
CPL in kg	1195	990	730	571	463	384	322	273
Deflection (mm)	17	25	44	69	100	137	181	231
UDL in kg/mtr	465	330	183	114	77	55	40	30
Deflection (mm)	21	30	52	80	112	148	185	223

HD34 / FD34 Square Truss

Example of a one level and a three level construction

HD34 / FD34 CORNER

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 cornerblock with bold on receivers in various lengths is the answer.

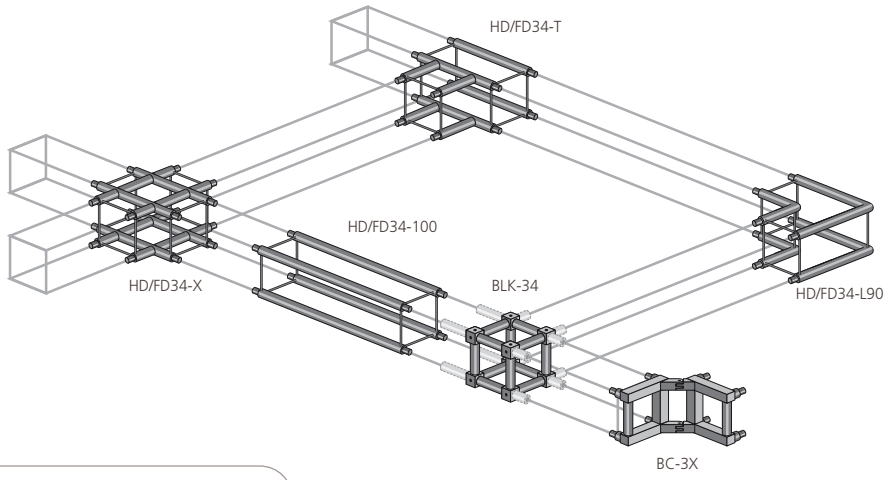
In the cornerblock as well as in the bold on receivers a small hole is drilled to match a spring pin so the position is determined. Easy to connect, safe and fully locked.

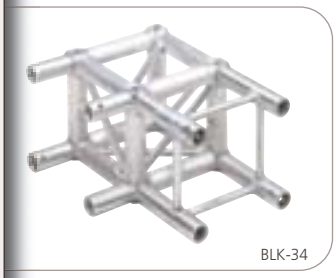
Complementary accessories and the article codes of the HD34 System can be found at the page 166. For FD34 System look at page 168.

Measurement Corners
for HD34 / FD34

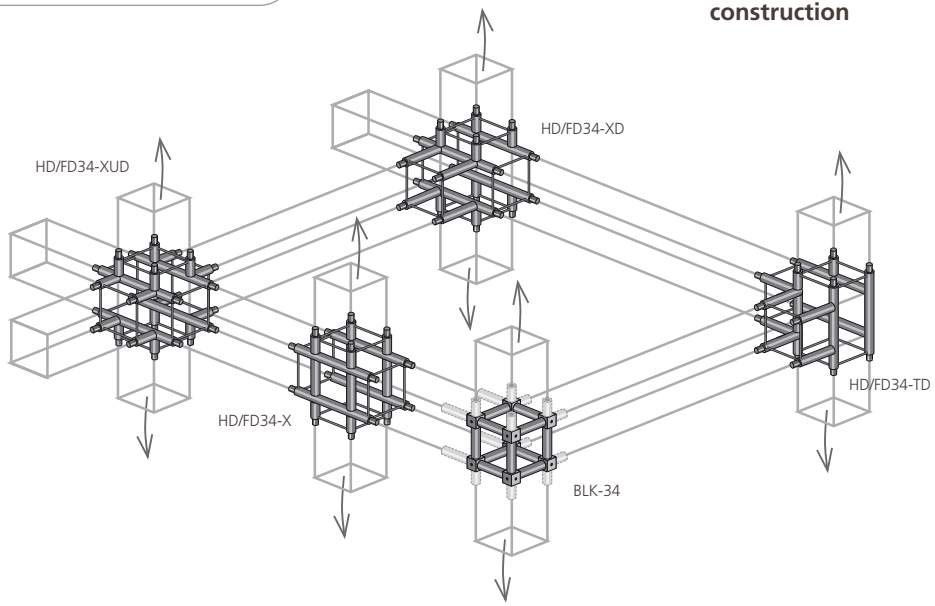
Cornercode	Size in cm
HD/FD34-L45	100 x 100
HD/FD34-L60	100 x 100
HD/FD34-L90	50 x 50
HD/FD34-L120	50 x 50
HD/FD34-L135	50 x 50
HD/FD34-T	50 x 50
HD/FD34-X	50 x 50
HD/FD34-LD	50 x 50
HD/FD34-TD	50 x 50
HD/FD34-XD	50 x 50 x 50
HD/FD34-XUD	50 x 50 x 50
BLK-34	90° in 6 dir.
CS1-BOB105	105mm*
CS1-BOB210	210mm*
SC-3X	0-180°, Swivelcorner
SB-3X	0-180°, Swivelbase
BC-3X	0-180°, Bookcorner

One level construction



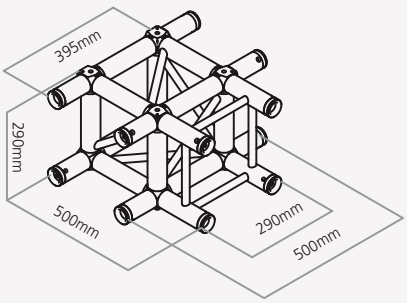


Three level construction



Loadcases FD34

Length (m)	4	6	8	10	12	14	16
CPL in kg	950	670	497	385	331	260	249
Deflection (mm)	10	25	44	70	105	141	202
UDL in kg/mtr	460	224	124	80	55	36	31
Deflection (mm)	12	31	54	88	128	166	243



*4 pcs. required for one attachment

HD33 / FD33 Triangle Truss – two tubes up

Triangular Truss with equilateral profile geometry for larger loads.

Triangle Truss – two tubes up – for Heavy loads

HD33 / FD33 TRIANGLE TRUSS

HD33 / FD33 with excellent load capacity on free spans of 12m.

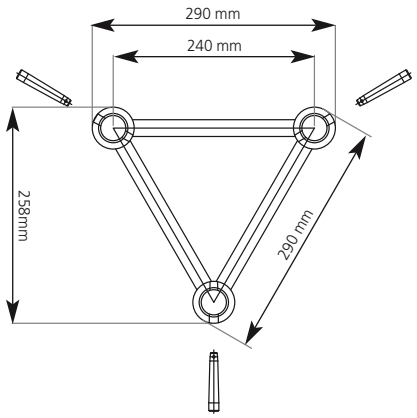
HD33 / FD33 straight elements lend themselves to use as span exposed to bending stress resistant span up to 12m.

HD33 using the 3mm 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.

Dimensions HD33 / FD33



HD33 TRUSS FACTS

- **Increased wall thickness of 3mm for 50mm main tubes**
- **Increased loading compared to FD33 (up to 50%)**

FD33 TRUSS FACTS

- **Tolerance free conical connector**
- **Wall thickness of 2mm for 50mm main tubes**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD33	FD33
Main tube:	50x 3mm	50x 2mm
Braces:	20x 2mm	20x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~5,5 kg/m	~4,5 kg/m

Loadcases HD33

Length (m)	4	6	7	8	9	10	11	12
CPL in kg	665	434	367	315	275	242	215	192
Deflection (mm)	10	22	30	39	50	62	75	90
UDL in kg/mtr	332	145	105	79	61	48	39	32
Deflection (mm)	12	27	37	48	61	75	91	108

HD33 / FD33 Triangle Truss – two tubes up

Triangular Truss with equilateral profile geometry for larger loads.

HD33 / FD33 CORNER

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.

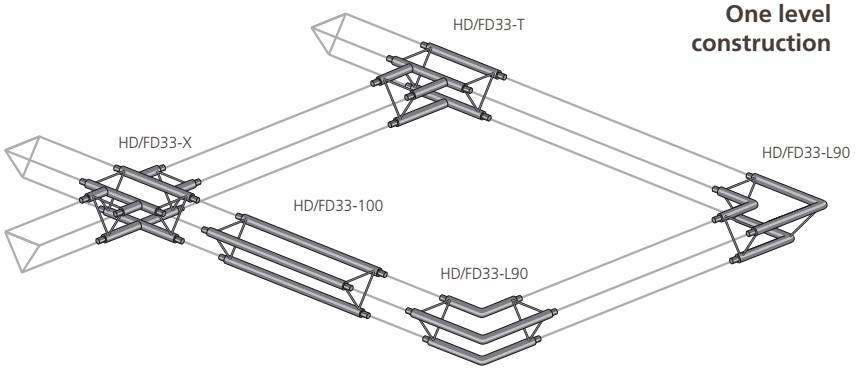
Optically and statically adapted to fit the straight elements.

Complementary accessories and the article codes of the HD33 System can be found at the page 166. For FD33 System look at page 168.

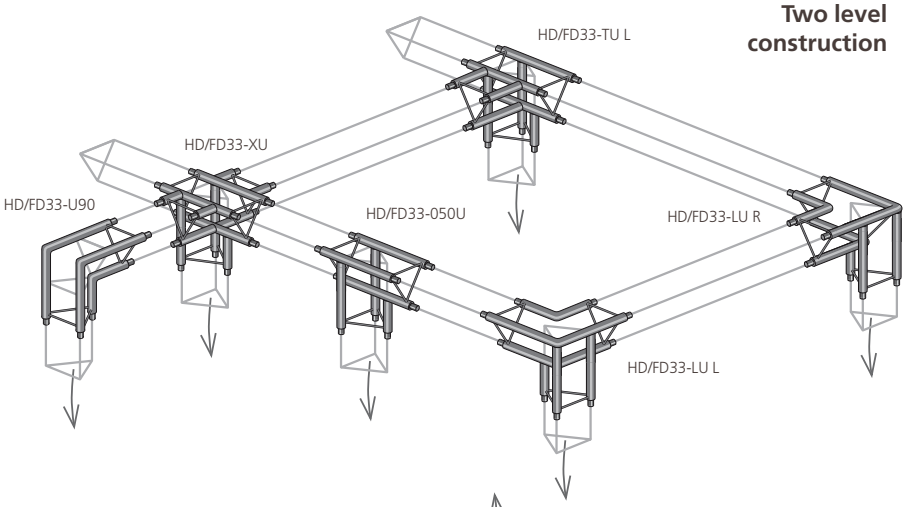
Measurement Corners
for HD33 / FD33

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

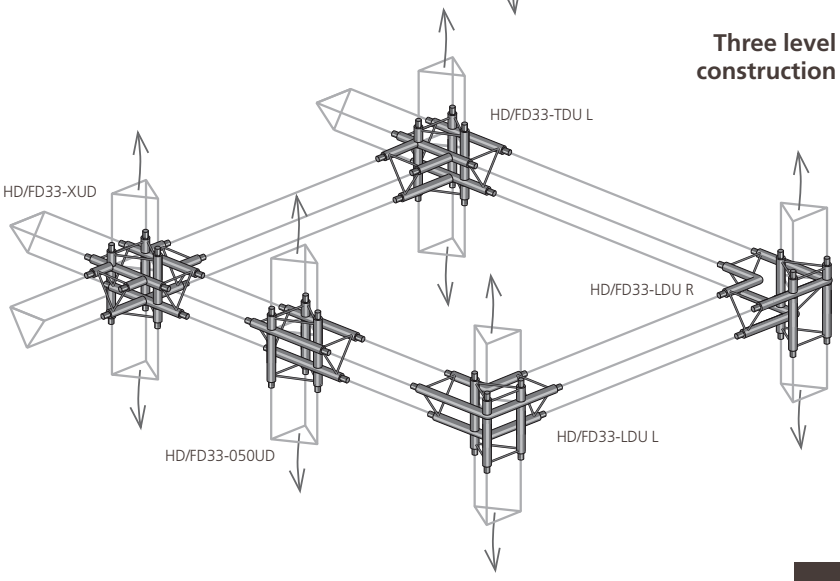
One level construction



Two level construction



Three level construction



Loadcases FD33

Length (m)	4	6	7	8	9	10	11	12
CPL in kg	438	286	240	206	179	156	138	122
Deflection (mm)	9	21	29	42	48	60	73	88
UDL in kg/mtr	219	95	69	53	40	32	26	21
Deflection (mm)	12	26	36	48	60	73	91	108

HD33 / FD33 Triangle Truss – two tubes down

Triangular Truss with equilateral profile geometry for larger loads.

Triangle Truss – two tubes down – for Heavy loads

HD33 / FD33 TRIANGLE TRUSS

HD33 / FD33 with excellent load capacity on free spans of 12m.

HD33 / FD33 straight elements lend themselves to use as span exposed to bending stress resistant span up to 12m.

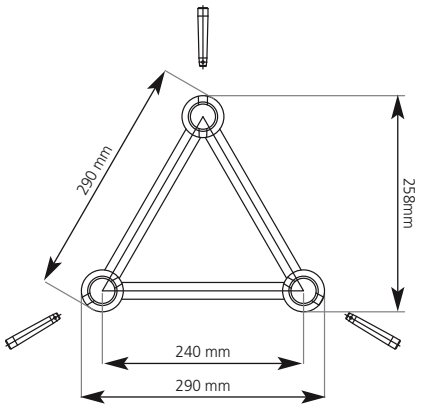
HD33 using the 3mm wall thickness assures durability and extra strength.

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.

Dimensions HD33 / FD33



HD33 TRUSS FACTS

- **Increased wall thickness of 3mm for 50mm main tubes**
- **Increased loading compared to FD33 (up to 50%)**

FD33 TRUSS FACTS

- **Tolerance free conical connector**
- **Wall thickness of 2mm for 50mm main tubes**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD33	FD33
Main tube:	50x 3mm	50x 2mm
Braces:	20x 2mm	20x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~5,5 kg/m	~4,5 kg/m

Loadcases HD33

Length (m)	4	6	7	8	9	10	11	12
CPL in kg	665	434	367	315	275	242	215	192
Deflection (mm)	10	22	30	39	50	62	75	90
UDL in kg/mtr	332	145	105	79	61	48	39	32
Deflection (mm)	12	27	37	48	61	75	91	108

HD33 / FD33 Triangle Truss – two tubes down

Triangular Truss with equilateral profile geometry for larger loads.

HD33 / FD33 CORNER

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.

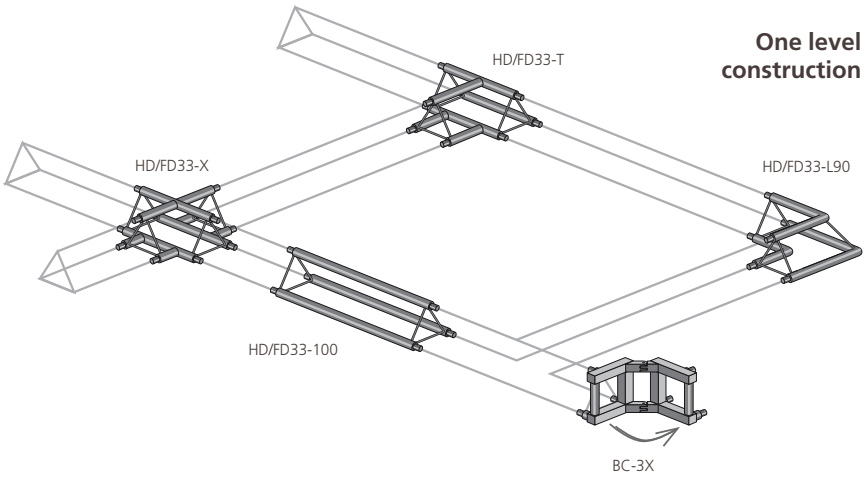
Optically and statically adapted to fit the straight elements.

Complementary accessories and the article codes of the HD33 System can be found at the page 166. For FD33 System see page 168.

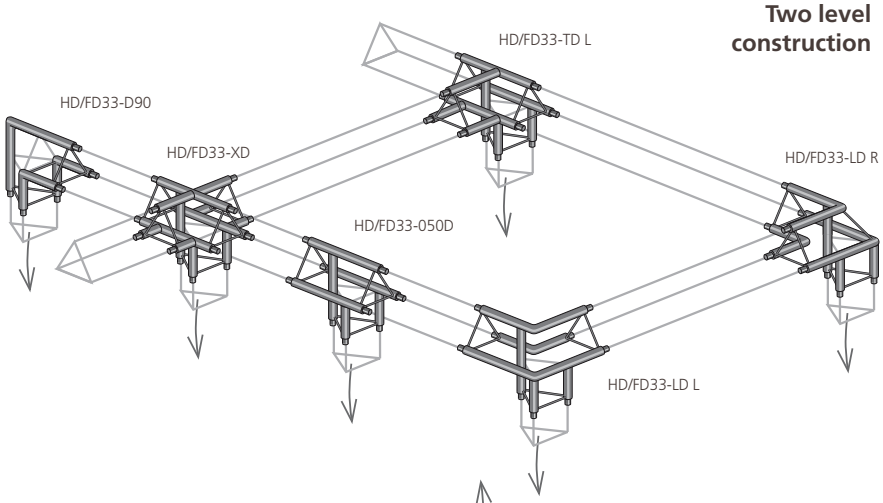
Measurement Corners
for HD33 / FD33

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

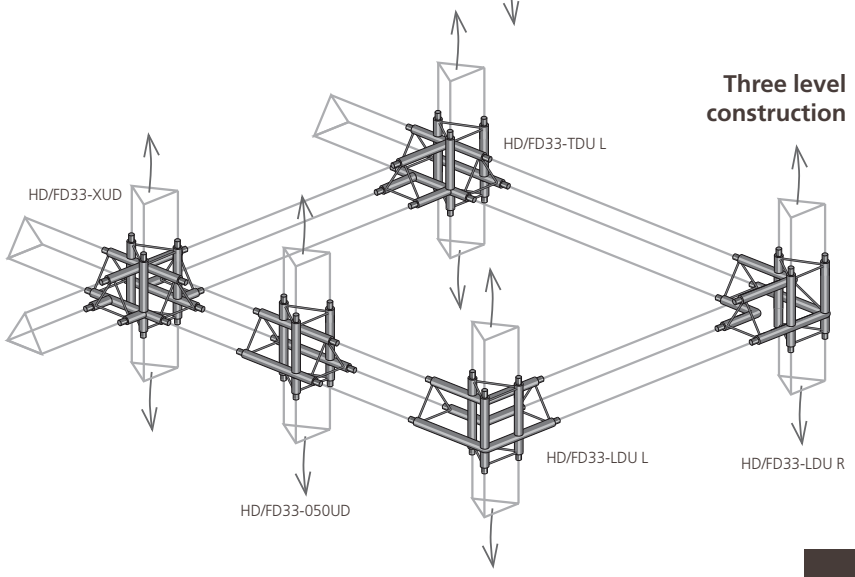
One level construction



Two level construction



Three level construction



Loadcases FD33

Length (m)	4	6	7	8	9	10	11	12
CPL in kg	438	286	240	206	179	156	138	122
Deflection (mm)	9	21	29	42	48	60	73	88
UDL in kg/mtr	219	95	69	53	40	32	26	21
Deflection (mm)	12	26	36	48	60	73	91	108

HD32 / FD32 Ladder truss

Ladder truss for medium loads

Ladder truss for vertical and horizontal rigs

HD32 / FD32 LADDER TRUSS

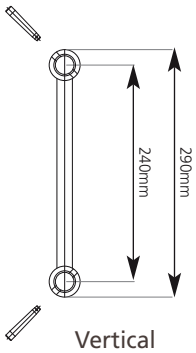
HD32 / FD32 guarantees optimum load bearing capacity up to spans of 8m

HD32/ FD32 straight elements lend themselves to use as span exposed to bending stress, cantilevered up to 4m or supported up to 8m.

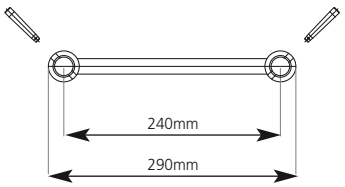
Combined with HD34 / FD34 Truss they possess a broad range of applications.

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

Dimensions HD32 / FD32



Vertical



Horizontal

HD32 TRUSS FACTS

- **Increased wall thickness of 3mm for 50mm main tubes**
- **Increased loading compared to FD32 (up to 50%)**
- **Compatible with HD34**

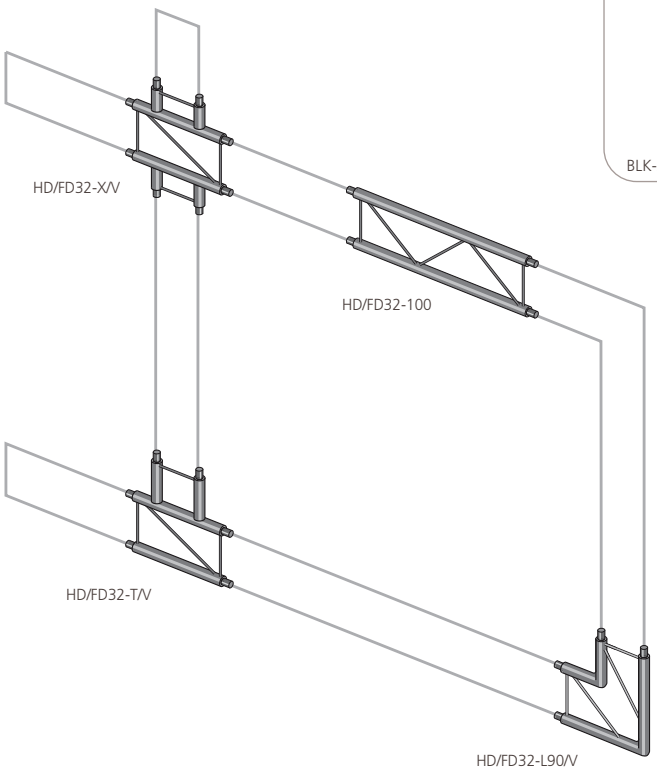
FD32 TRUSS FACTS

- **Tolerance free conical connector**
- **Wall thickness of 2mm for 50mm main tubes**
- **Compatible with FD34**
- **Also available in any non-standard length and shape**
- **TuV approved**

Measurements:	HD32	FD32
Main tube:	50x 3mm	50x 2mm
Braces:	20x 2mm	20x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~4 kg/m	~3 kg/m

Loadcases HD32	unsupported:			…every 1,1m supported:				
Length (m)	2	3	4	4	5	6	7	8
CPL in kg	355	103	41	633	504	418	355	309
Deflection (mm)	1	1	1	12	18	25	35	45
UDL in kg/m	355	69	21	266	169	117	85	65
Deflection (mm)	1	1	1	14	22	32	43	57

Vertical construction




BLK-32

HD32 / FD32 CORNER

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.

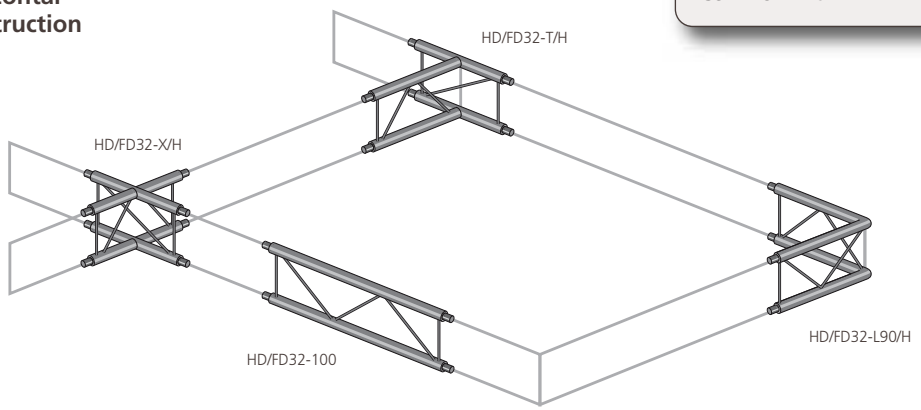
HD32 / FD32 System is suitable for using horizontally and vertically. The load capacity is identical.

Complementary accessories and the article codes of the HD32 System can be found at the page 167. For FD32 System look at page 169.

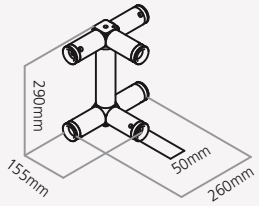
Measurement Corners
for HD32 / FD32

Cornercode	Size in cm
HD/FD32-L45/V (H)	100 x 100
HD/FD32-L60/V (H)	100 x 100
HD/FD32-L90/V (H)	50 x 50
HD/FD32-L120/V (H)	50 x 50
HD/FD32-L135/V (H)	50 x 50
HD/FD32-T/V (H)	50 x 50
HD/FD32-X/V (H)	50 x 50
BLK-32	90° in 4 dir.
CS1-BOB105	105mm*
CS1-BOB210	210mm*

Horizontal construction



Loadcases FD32	unsupported:			…every 1,1m supported:				
Length (m)	2	3	4	4	5	6	7	8
CPL in kg	338	98	39	506	403	334	284	247
Deflection (mm)	1	1	1	11	17	24	33	43
UDL in kg/m	338	66	20	253	161	111	81	62
Deflection (mm)	1	1	1	13	21	30	41	54



*2 pcs. required for one attachment

Corner Blocks

TT / XT / ST / XD Corner Blocks
FT100 / FT50 Corner Blocks
HD / FD4x Corner Blocks
HD / FD3x Corner Blocks

Corner Blocks

Cornerblocks for TT / XT / FT100 and FT50 Multi Corner

TT/XT/FT100 and FT50 Cornerblocks

CORNER BLOCKS

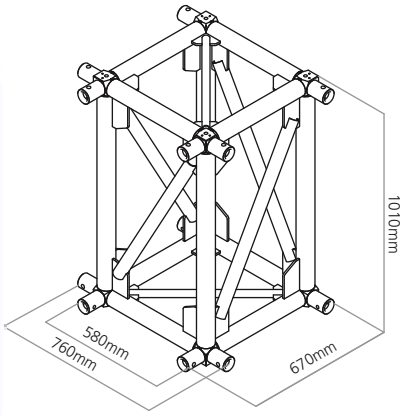
The Eurotruss corner blocks enables the creation of 2, 3, 4 way corners matching uniformly with the sleeve blocks of the ground supported towers.

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

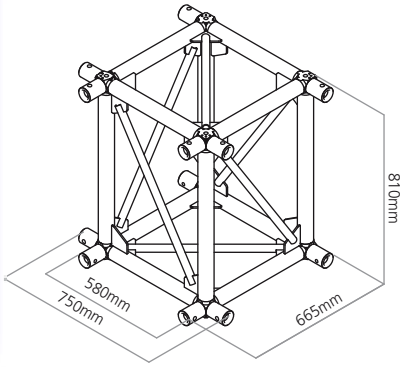
The corner block can be used in all configurations of 90 degree angles which makes it a handy and cost efficient product.

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.

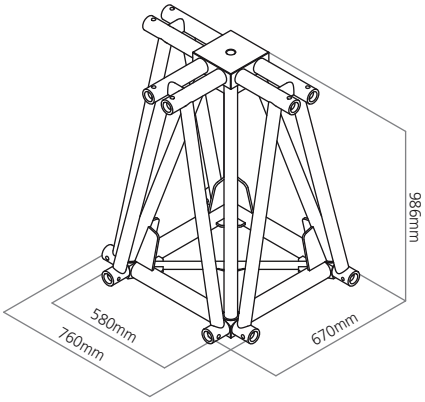
* = BOB's come seperately

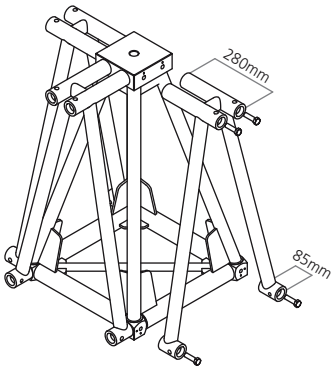


TT-BLK

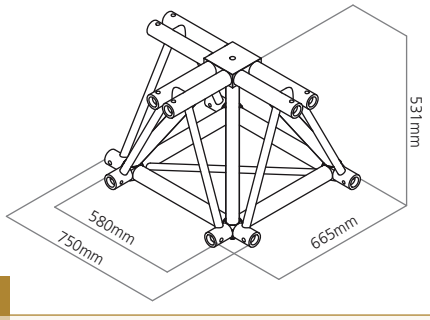


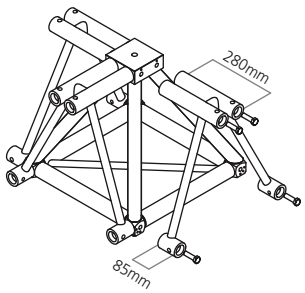
XT-BLK





FT100





FT50

TT-Cornerblock
BLK-TT
90° in 4 directions

CS3-BOB85
TT/XT/FT/ST Bold on Receiver, 85mm, 4x per direction*

XT-Cornerblock
BLK-XT
90° in 4 directions

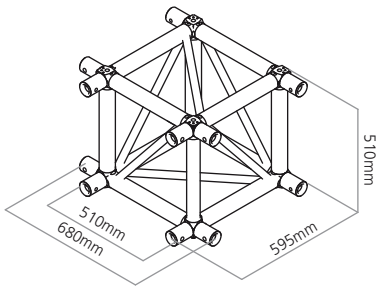
CS3-BOB85
TT/XT/FT/ST Bold on Receiver, 85mm, 4x per direction*

FT100-Cornerblock
BLK-FT100
90° in 4 directions

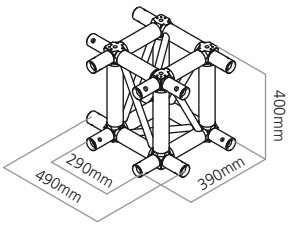
BLK-A-FT100
FT100 Adapter for FT100-BLK
1x per direction

FT50-Cornerblock
BLK-FT50
90° in 4 directions

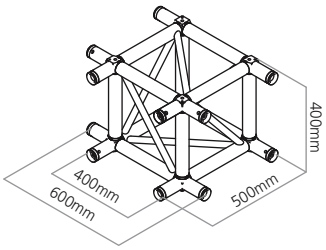
BLK-A-FT50
FT50 Adapter for FT50-BLK
1x per direction



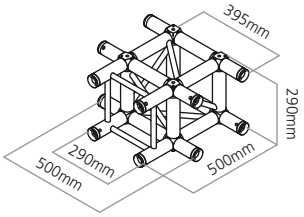
ST-BLK



XD-BLK



HD/FD44-BLK



HD/FD34-BLK

ST, XD HD/FD4x and HD/FD3x

CORNER BLOCKS

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

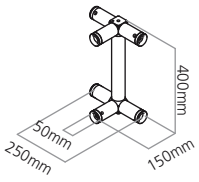
The attachments are bolted to the corner blocks by using bold on receivers.

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.

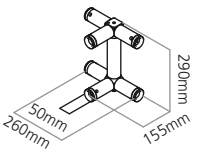
The FD42 and FD32 will only have a 4-way direction although the upper of the cube can be used to bolt in an eye-nut and used as hanging point.

* = BOB's come seperately

** = XD Multicorners have a horizontal XD attachment as the upper and down attachment is FD34



HD/FD42-BLK



HD/FD32-BLK

ST-Cornerblock

BLK-ST
90° in 6 directions

CS3-BOB85
TT/XT/FT/ST Bold on Receiver, 85mm, 4x per direction*

XD-Cornerblock

BLK-XD
90° in 4 directions

CS2-BOB95
XD Bold on Receiver, 95mm, 4x per dir.* **

HD/FD44(42)-Cornerblock

BLK-44(42)
90° in 6 (4) directions

CS1-BOB100
HD/FD Bold on Receiver, 100mm, 4x (2x) per dir.*

HD/FD34(32)-Cornerblock

BLK-34(32)
90° in 6 (4) directions

CS1-BOB105(210)
HD/FD34 Bold on Receiver, 105mm / 210mm, 4x (2x) per dir*

Circles

For all Systems

Circles and Curved Trusses

Highest accuracy for perfect fitting:

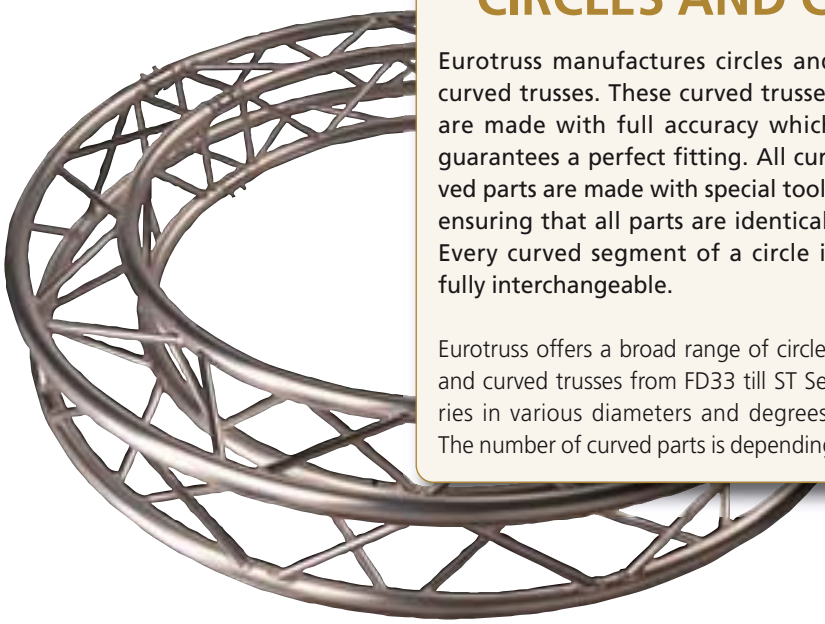
CIRCLES AND CURVED TRUSSES

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. 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.



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 5,5 mtr.

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

Number of segments X: $= \frac{\text{Diameter x } 3{,}14}{5{,}5 \text{ Meter}}$

Example: *FD34 Circle with a diameter of 8 meter*

Number of Segments: *8 mtr x 3,14 = 25,12*
25,12 : 5,5 = 4,57

Minimum number of segment is: 5

CIRCLES ELEMENTS

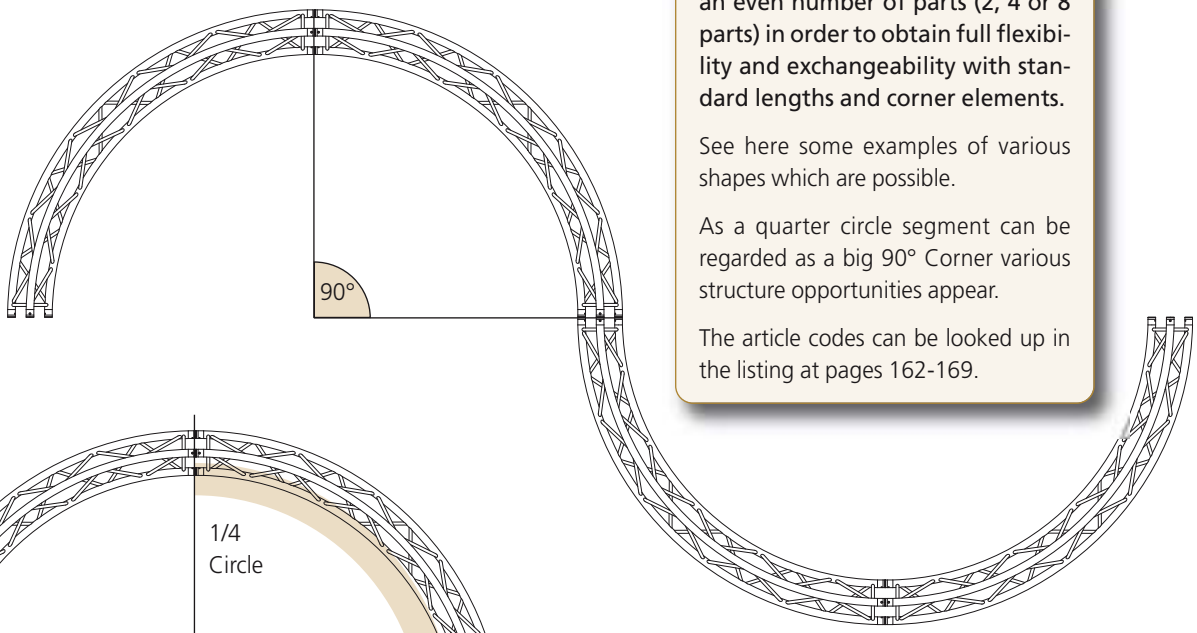
Eurotruss advises the purchase of an even number of parts (2, 4 or 8 parts) in order to obtain full flexibility and exchangeability with standard lengths and corner elements.

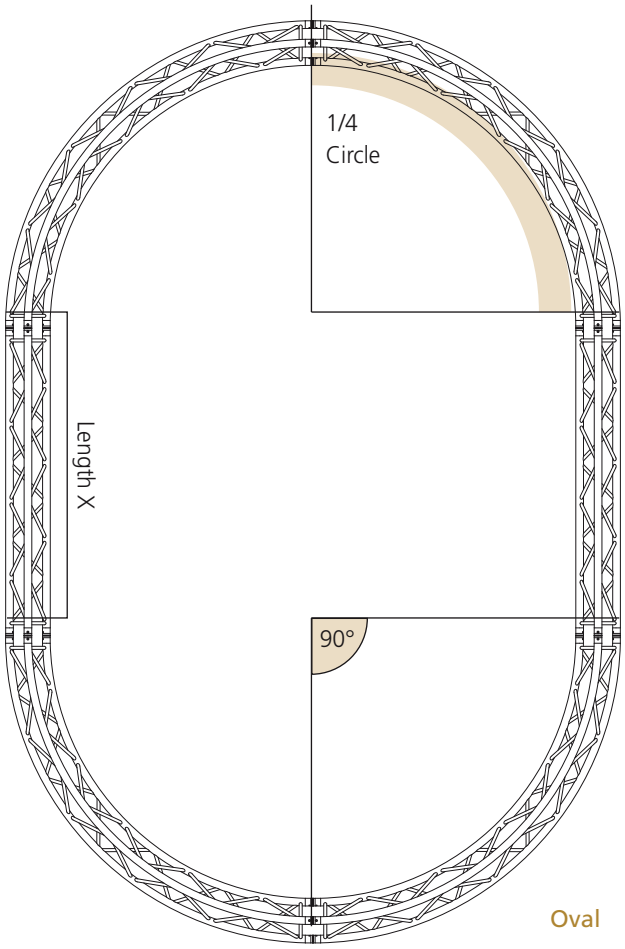
See here some examples of various shapes which are possible.

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

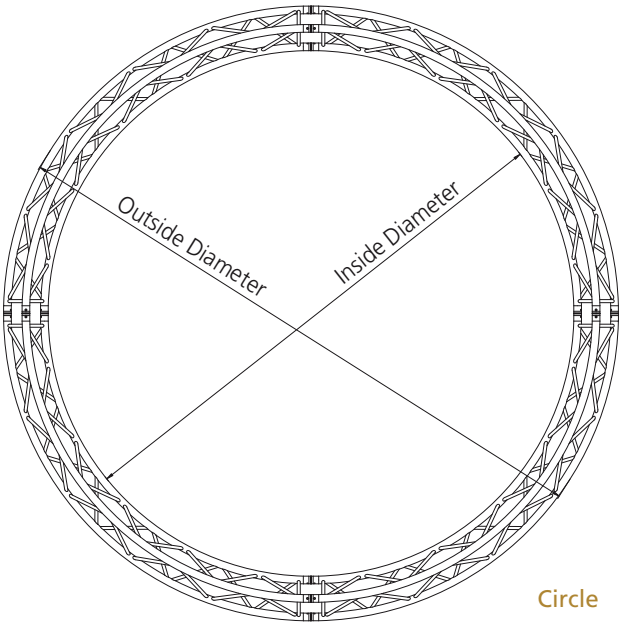
The article codes can be looked up in the listing at pages 162-169.

S-Shape





Oval



Circle

Load Capacity of a Circle:

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

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

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

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

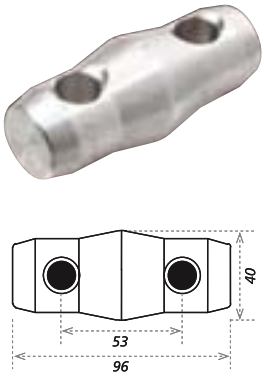
Accessories

CS1-… = Accessories HD/FD System
CS2-… = Accessories XD System
CS3-… = Accessories TT,XT,FT & ST System

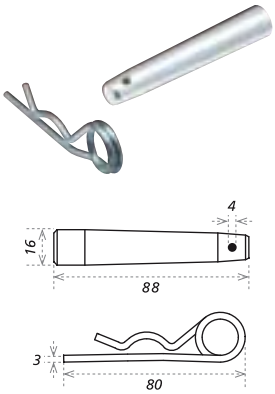
Accessories

Connectors and Pins for all Systems

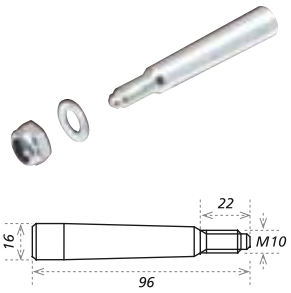
TT / XT
ST / FT



CS3-CON
Connector (Spigot)

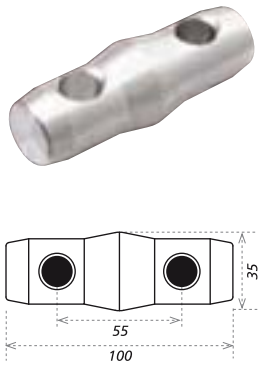


CS3-TP + CS3-RS3
Trusspin + R-Clip 3mm

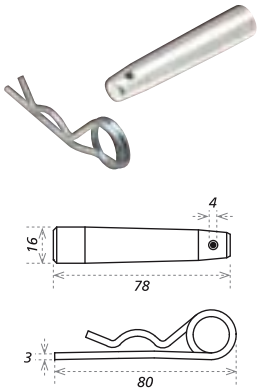


CS3-TPS + CS3-NUT
Pin + Locknut M10

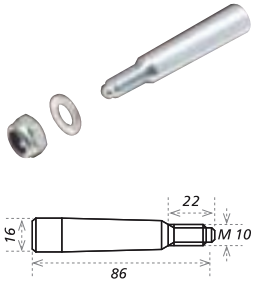
XD



CS2-CON
Connector (Spigot)

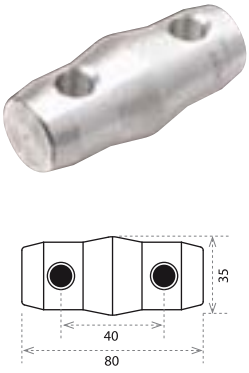


CS2-TP + CS3-RS3
Trusspin + R-Clip 3mm

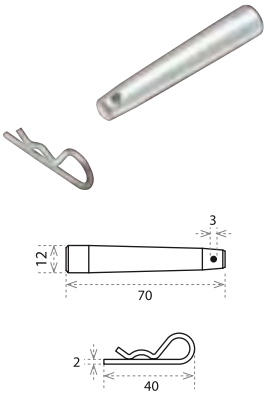


CS2-TPS + CS3-NUT
Pin + Locknut M10

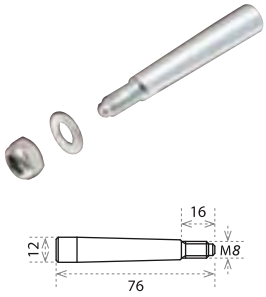
HD
FD



CS1-CON
Connector (Spigot)



CS1-TP + CS1-RS2
Trusspin + R-Clip 2mm



CS1-TPS + CS1-NUT
Pin + Locknut M8

CONNECTORS AND PINS

All Eurotruss connectors are made accordingly the highest quality standard.

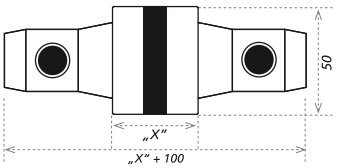
Eurotruss only uses the aluminium quality EN AW-6082 T6 for the connectors.

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.

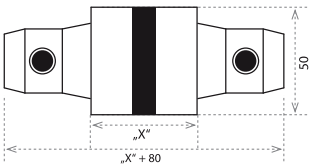
SPACERS

In various designs and constructions like Ground Supports, spacers are required to get the matching size without compromising the use of standard elements.

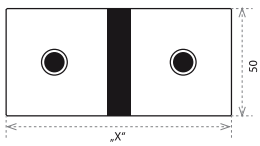
SPACER



CS2-CON40
XD-Spacer, X=40 mm

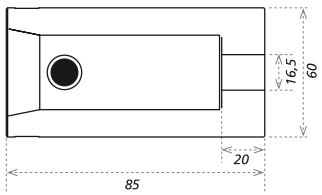


CS1-CON15 / 30 /50 /80
HD/FD-Spacer, X = 15, 30, 50, 80 mm

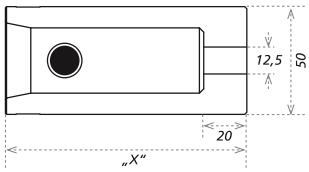


CS1-BUS90 / 105
HD/FD-Adapter, X = 90 mm, 105 mm

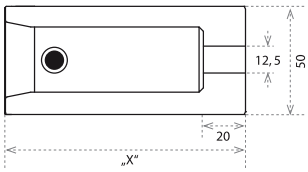
BOLD ON RECEIVER



CS3-BOB85
TT / XT / FT and ST-Bold on Receiver 85 mm



CS2-BOB95
XD-Bold on Receiver 95 mm

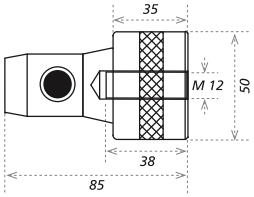


CS1-BOB- X
HD / FD44/34 Receivers X

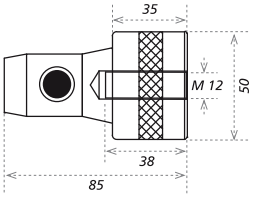
Available lengths of CS1-BOB-X and matching Truss-Items:

CS1-BOB100	CS1-BOB105	CS1-BOB210
Bold on Receiver, 100mm, for BLK-44 (Cornerblock)	Bold on Receiver, 105mm, for BLK-34 (Cornerblock)	Bold on Receiver, 210mm, for BLK-34 (Cornerblock)

SCONS



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.

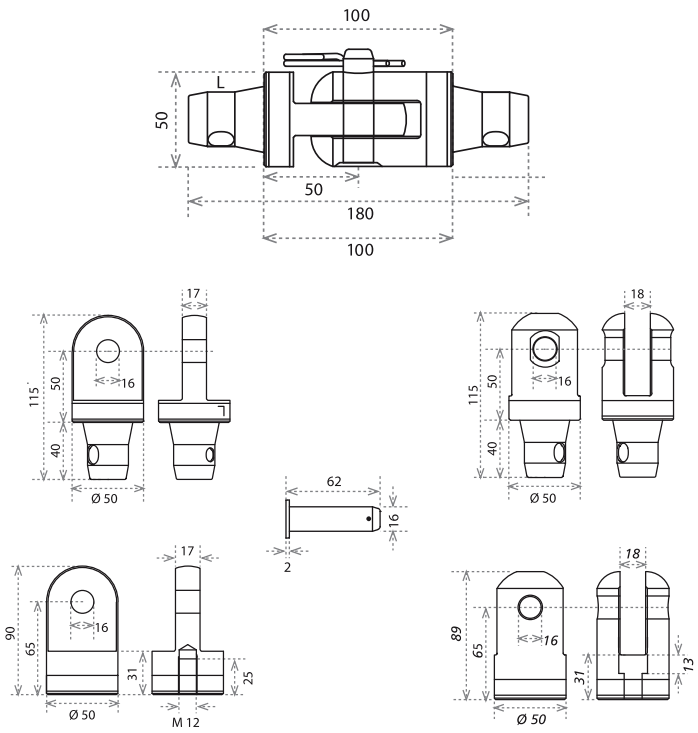
SCONS

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.

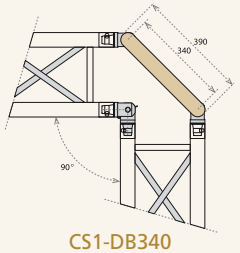
Accessories

Hinge Connection for all HD / FD Systems

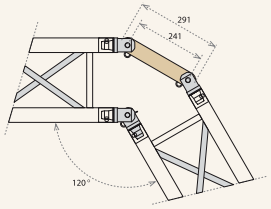
CS1-HS L/R
HD / FD Hinge Set (single tube), L=100mm



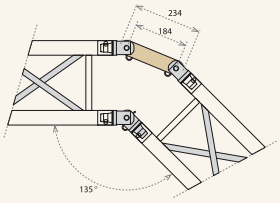
Example FD34 Connection with usage of hinges



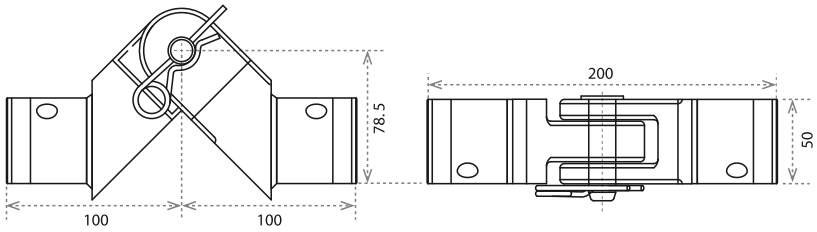
CS1-DB340
Distance Bar for Hinge Part 90°: 390 mm



CS1-DB241
Distance Bar for Hinge Part 120°: 291 mm



CS1-DB184
Distance Bar for Hinge Part 135°: 234 mm



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

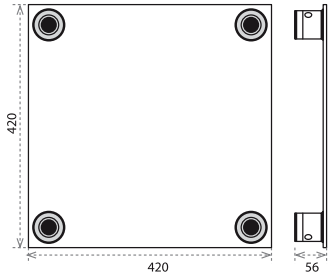
HINGE CONNECTIONS

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

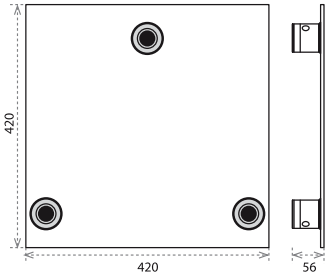
With pre-fixed distance bars you can make 90 dgr., 120 dgr. and 135 dgr. corners.

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.

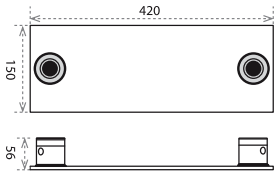
The variable connection set can be used to make any angle between 0 dgr. and 180 dgr and can only be used with square truss.



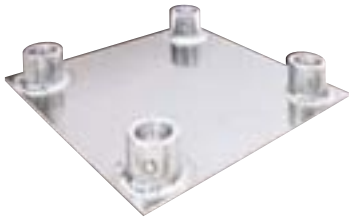
PLB-44
Base Plate

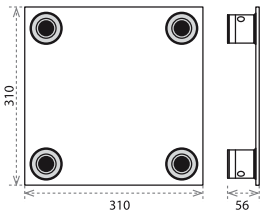


PLB-43
Base Plate

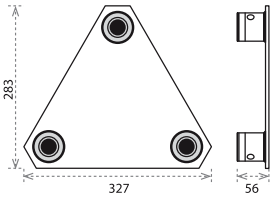


PLB-42
Base Plate

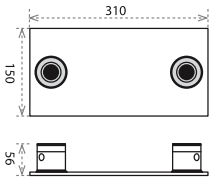




PLB-34
Base Plate



PLB-33
Base Plate



PLB-32
Base Plate

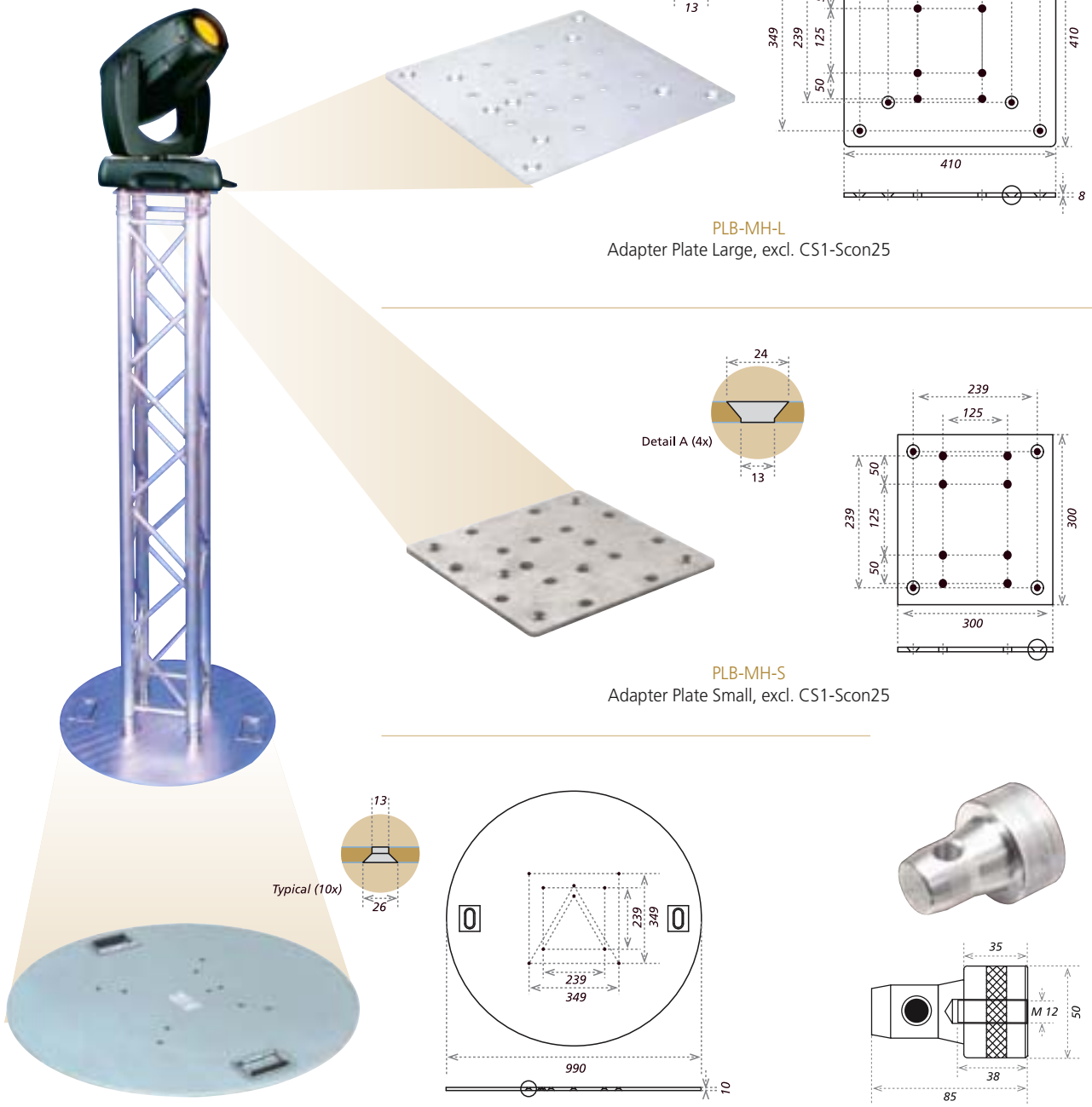
BASE PLATES

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 thick and for heavier truss systems 8 ~10 mm 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

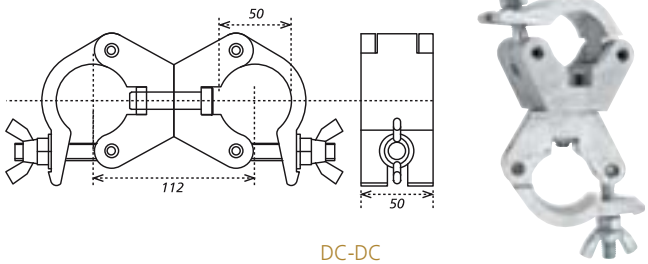
PLB-MH-S
Adapter Plate Small, excl. CS1-Scon25

PLB-TOTEM
Totem Base Plate. Ø = 99cm, 80kg, excl. CS1-Scon25

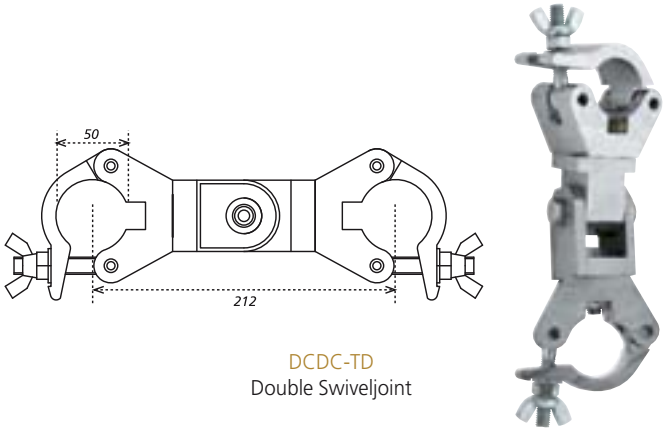
CS1-Scon25
HD/FD-Bold on Connector M12

TOTEM

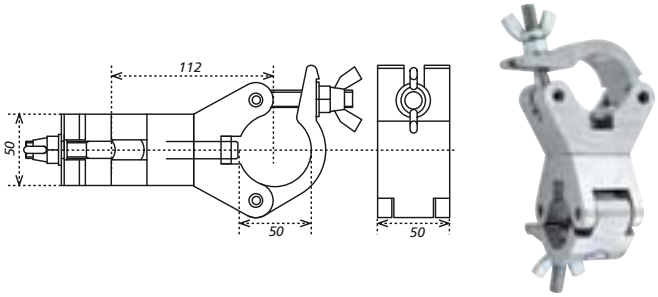
The Totem is a round steel base plate with a diameter of 99cm with easy handles and pre-drilled holes for all HD/FD Truss Series. The totem is strong, elegant and the perfect plate for stand alone beams. The totem can also be used to mount a moving head (any brand) on a top plate. In order to secure 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.
Depending on triangular or square truss additional 3 or 4 HD/FD-Scon25 may need to be ordered as extra.



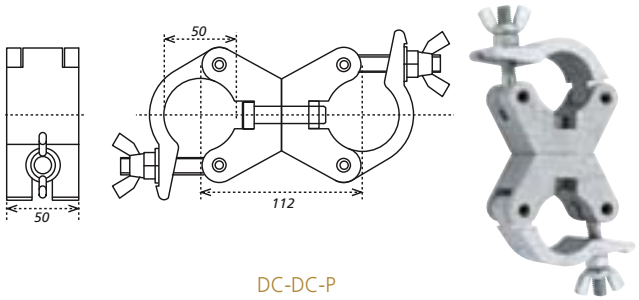
DC-DC
Swivelcoupler



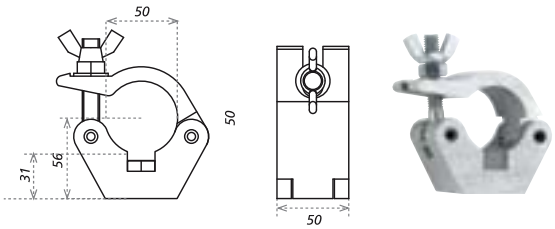
DCDC-TD
Double Swiveljoint



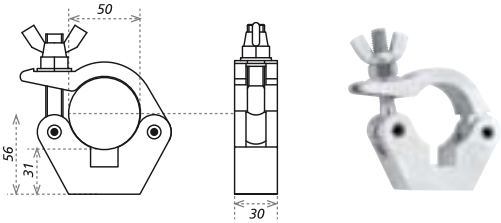
DC-DC-F
90° Fixed Coupler



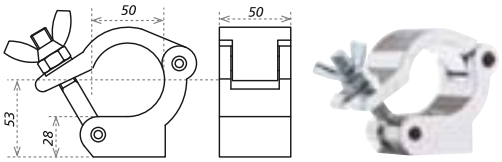
DC-DC-P
Parallel Coupler



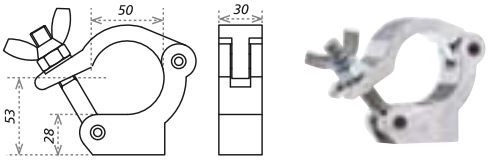
DC-HC
Halfcoupler



DC-SC
Halfcoupler Slimline



DC-HC-SE
Halfcoupler "side entry"

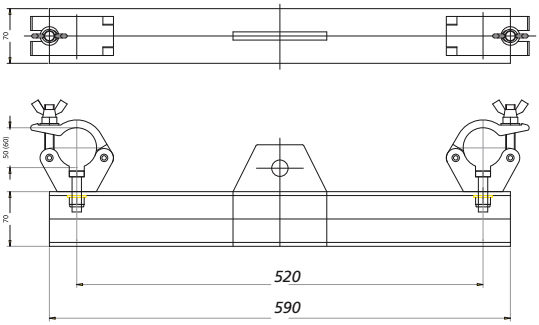


DC-SC-SE
Halfcoupler Slimline "side entry"

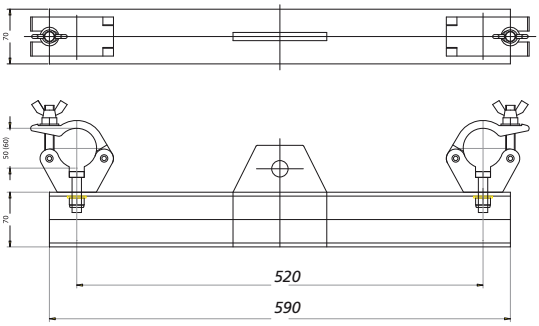
GRIPPING MATERIAL

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.

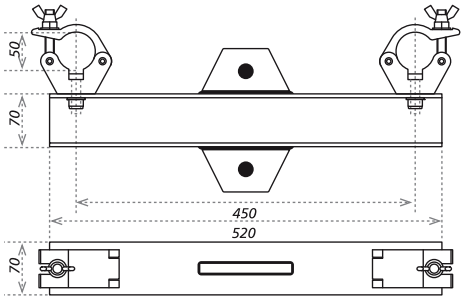
DCB8-PF
TT Truss Hanging Adapter



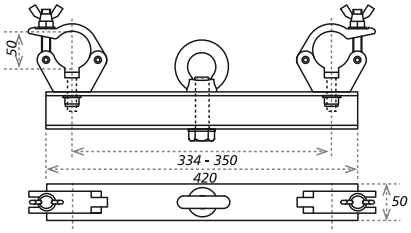
DCB7-PF
XT Truss Hanging Adapter



DCB5-PF
ST Truss Hanging Adapter



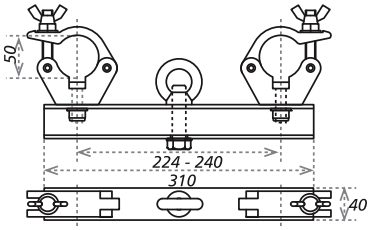
DCB4-PF
HD/FD4X Truss Hanging Adapter

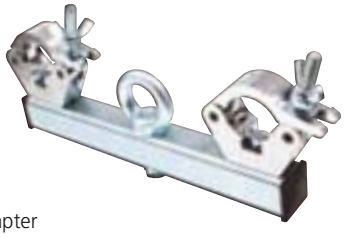


HANGING ADAPTER

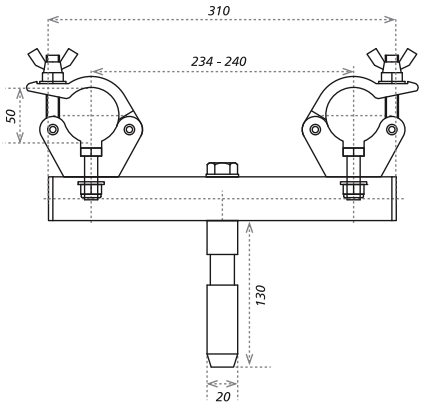
Special steel hanging adapter to absorb the required load.

The hanging bars perfectly match the truss systems requirements. The hook on bars are available in various lengths and with various wall thicknesses.

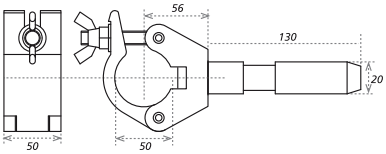


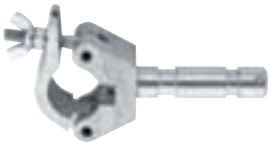


DCB3-PF
HD/FD3X Truss Hanging Adapter

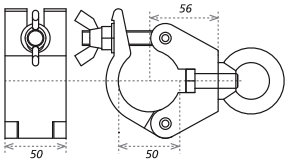


DCTV3-PF
Truss Adapter TV, Swivel





DC-TV
Half Coupler with TV Spigot



DC-PF
One Point Hanging Adapter

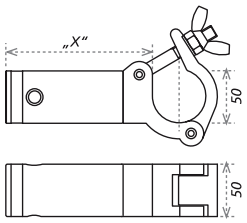
HANGING ADAPTER

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.

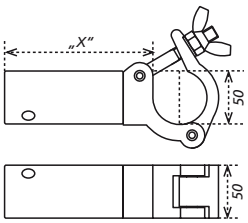
Accessories

Bold on Twist joints – Stabillizer and Hook on Bars



CS2-DC13
XD Bold on Twist Joint 13 cm
– to make T-joint
i.c.w. XD Sleeve Blocks

CS2-DC21
XD Bold on Twist Joint 21 cm
– to make T-joint i.c.w. XD Corners



CS1-DCX
HD / FD Bold on Twist Joint – X = 10 / 10,5 / 12 / 14 / 21 cm
*usage of 50mm half coupler side entry

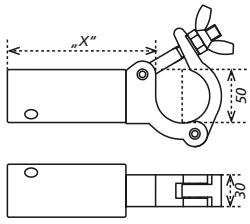
CS1-DC10 – Bold on Twist Joint 100mm
– to make T-joint i.c.w. HD/FD44 Corners

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

CS1-DC12 – Bold on Twist Joint 120mm
– to make T-joint i.c.w. HD/FD34 Sleeve Block

CS1-DC14 – Bold on Twist Joint 140mm
– to make T-joint i.c.w. HD/FD44 Sleeve Block

CS1-DC21 – Bold on Twist Joint 210mm
– 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
*usage of slimeline 30mm half coupler side entry

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

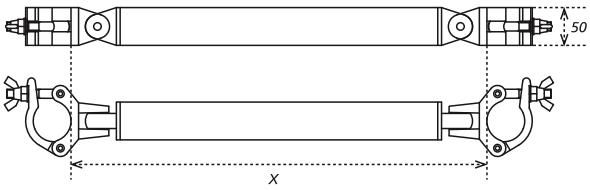
CS1-DC10,5S – Bold on Twist Joint 105mm
– to make T-joint i.c.w. HD/FD34 Corners

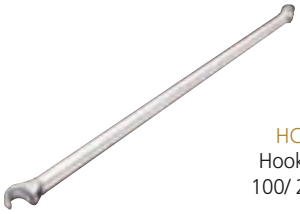
CS1-DC12S – Bold on Twist Joint 120mm
– to make T-joint i.c.w. HD/FD34 Sleeve Block

CS1-DC14S – Bold on Twist Joint 140mm
– to make T-joint i.c.w. HD/FD44 Sleeve Block

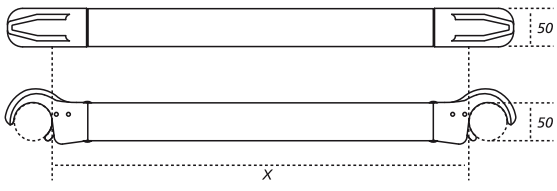
CS1-DC21S – Bold on Twist Joint 210mm
– to make T-joint i.c.w. HD/FD34 Corners

KCKC-X
Bold on Corner Brace
70/ 140/ 200/ 300





HCHC-X
Hook on Bar
100/ 200/ 300



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.

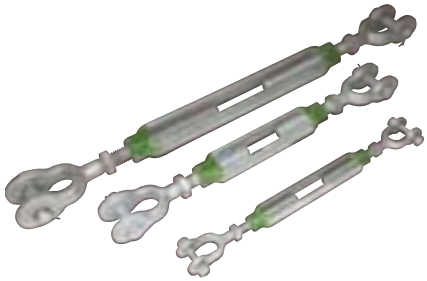
STABILIZERS AND HOOK ON BARS

Bold on Corner braces are available in various lengths and required in the Ground Supports and Riggs which exceeds a height of 6 meters.
The hook on bar is available in various lengths and with various wall thicknesses.

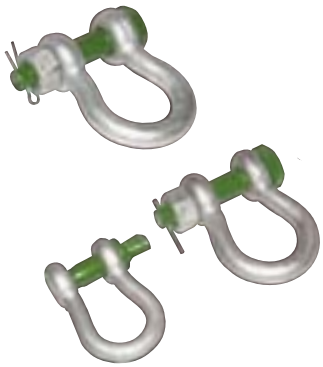
SC-SFC01/02/03
Safety Cable, 12mm – WWL 2t
Lengths 29, 70, 100cm

SC-STC12-100/200
Steel Wire with PVC Cover WLL 2t
Lengths 100, 200cm

SC-CH-01/02
Various variable Chainset for towers available



SC-TB-*
Various Turnbuckles available



RT-AS-2T/3,25T/4,75T
Shackles with bolts and screw collar

RT-RS2-1/2/3
Round Sling, WLL 2t, Lengths 1, 2, 3m

RT-SB5-12/15/25
Ratchet Span Band, WLL 5T Lengths 12,15,25m

RT-OR-2T/3T
O-Ring, WLL 2t/3t

RT-RSS2-1/2/3
Round Sling with Steel Wires, WLL 2t,
Lengths 1, 2, 3m

RIGGING ACCESSORIES

Eurotruss carries a range of rigging accessories which are required on ground supported towers and structures as roof systems.

Eurotruss selected hardware for extra safety, dead hanging, rigging and guy wiring. All items meet the working load requirements and safety standards.

Rigging Accessories

Rigging Accessories for ground supported Systems

RT-RG-LED
Rigging glove with LED light

RT-RG-REG
Rigging glove

RT-RG-WF
Rigging glove – no finger

RT-HAR-CP
Lanyard for Harness

RT-HAR-CP
Working/Safety Harness (Small / Large)

RT-SH-VB
Safety Helmets Vertex best A16Y

RT-WWS
Wind warning meter

RT-SLL-ST
Automatic Rotary Laser leveller

RT-DL-ST
Distance laser

RIGGING ACCESSORIES

We carry 3 types of Rigging gloves: RG + LED light, Standard RG and the finger free FRG.

Naturally any rigger should be aware of working safely at height.

The Harness offers absolute protection. We advice the use of safety helmets during up and break downs.

All safety products are tested and approved according the safety regulations.

For setting up stages, determining maximum heights etc it is faster to use a distance laser to measure the lengths and heights. To set up stages and roof systems it is necessary to level out the complete structure before building on.

RT-BC2/3
Beam clamp 2t Beam width 75-220mm
Beam clamp 3t Beam width 80-320mm

RT-S12-TW
Torque Wrench 1/2" 20-200Nm

RT-CS-13/17/19
Combination Spanner, 13/17/19mm

RT-S12-RT
Ratchet 1/2", reversable

RT-S12-E76/125
Ratchet Extension 1/2", 76/125mm

RT-S12-S13/17/19/24
Sockets 1/2", 13,17,19,24mm

RT-HAM-40C
Combination Hammer, Nylon/Steel, 820g

RT-HAM-40
Recoilless Hammer, 2 Nylon Caps, 820g

RT-HAM-LH
Hammer for Steel Scaffolding, 600g

RIGGING ACCESSORIES

The biggest danger in building stages and roof systems on reasonable height is the force created by wind. To ensure safety we recommend a wind meter on top of the structure which can be monitored from the ground.

A black beam clamp with a spindle for quick assembling on a beam used for lifting beams or as temporary points in combination with hoists.

For any set up riggers require rigging tools: Hammers for various purposes, Ratchet tool including required sockets and extension, Combination Spanner and Torque Wrench (to ensure tightening with required force).

Wind-Up Stands

Steel Lifts

DLB-03

Recommend Load Capacity:	150 kg
Self Weight:	63 kg
Maximum Height:	4,80 m
Minimum Height:	1,95 m

DLB-04

Recommend Load Capacity:	220 kg
Self Weight:	104 kg
Maximum Height:	5,50 m
Minimum Height:	1,77 m

DLB-02

Recommend Load Capacity:	200 kg
Self Weight:	105 kg
Maximum Height:	6,50 m
Minimum Height:	1,85 m

T-Bar

DRF-05	290 mm
DRF-06	250-500 mm

STEEL WIND UP STANDS

The DLB02 is a steel lift with a maximum height of 6,5m with a loading of 200kg.

This lift has outriggers which can be inserted into the base with an adjustable jack.

The DLB03 and DLB04 both have integrated and foldable outriggers and adjustable jacks with maximum heights of 4,8m (180 kg) and 5,5m (220kg).

DLB-05

Recommend Load Capacity	180 kg
Self Weight	55 kg
Maximum Height	6,00 m
Minimum Height	1,80 m

DLB-06

Recommend Load Capacity	120 kg
Self Weight	50 kg
Maximum Height	4,50 m
Minimum Height	1,77 m

DLB-07

Recommend Load Capacity	100 kg
Self Weight	30 kg
Maximum Height	3,80 m
Minimum Height	1,75 m

T-Bars

DRF-010 for DLB-05/06	28mm mast
DRF-011 for DLB-07	35mm mast

ALUMINIUM WIND UP STANDS

The DLB05. DLB06 and DLB07 are aluminium lifts with various heights between 3,8m and 6m with loadings of 100kg to 180kg. These lifts have foldable outriggers which are slightly adjustable.

The unique and ideal fact is that the aluminium lifts have a very low self weight.

No limitations in storage, transport and touring possibilities.

Ground Support Towers

TD50 Tower
TD44 Tower
TD35 Tower
HD/FD34 Tower
LED Bridge
PA Tower ST
PA Tower HD44
PA Tower HD34

Tower Overview

Overview of Eurotruss' 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 XT, TT and FT 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 up to a height of 7,5m and also for the bigger screens from 28m² till 54m² with a height of 10m the TD44 Tower with TT Truss.

As with the Eurotruss Tower range, the towers can be used up to 20m 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 700 kg till 1200kg centre point load and a height of 7,5m till 13m.

Ground Support Tower Overview

Overview of Eurotruss' Ground Support Tower Systems

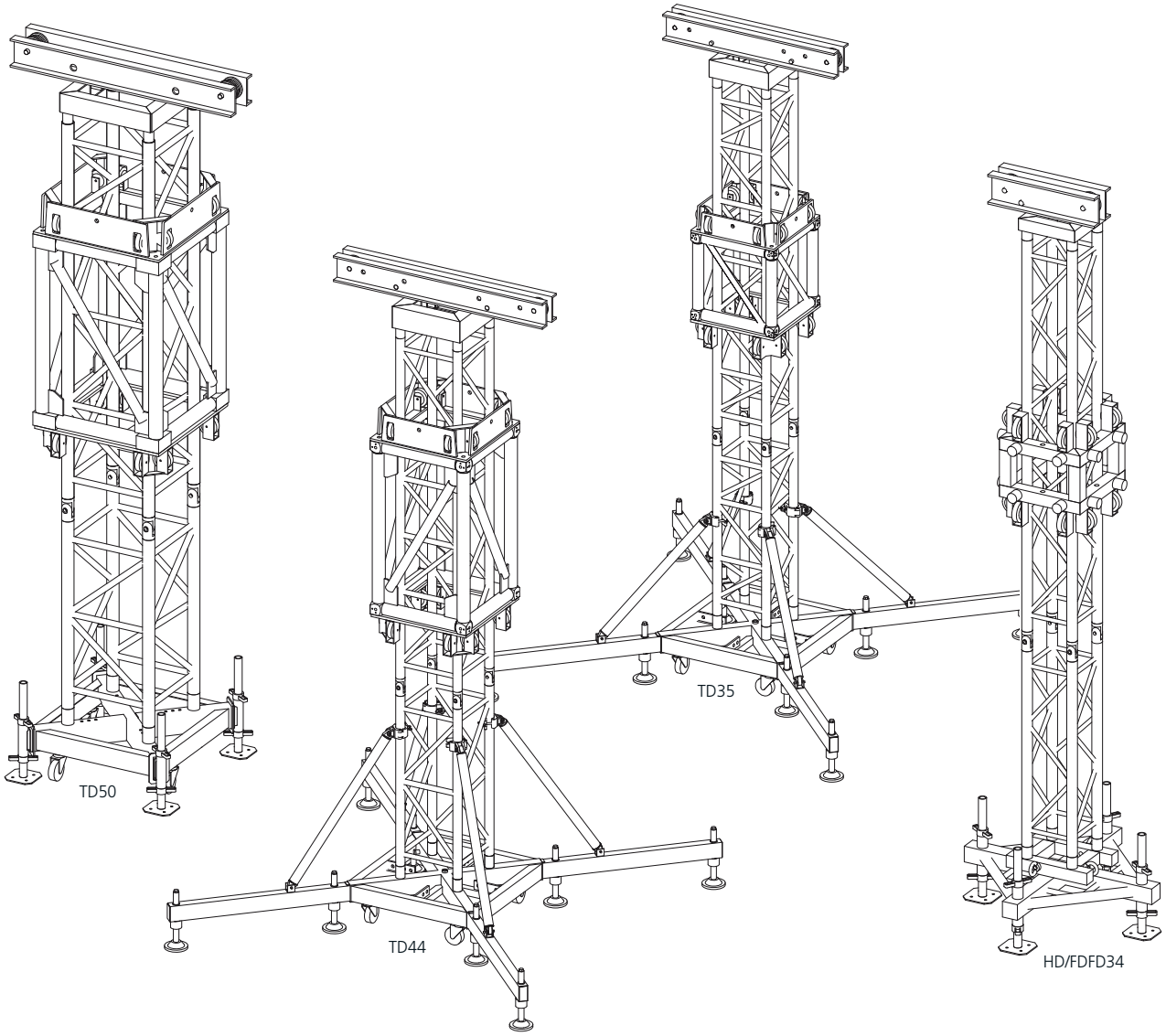
TD GROUND SUPPORT TOWERS

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 and a load capacity of 8.000kg, The TD44 Tower with a maximum height of 16m with a load capacity and 3.000kg and the TD35 Tower with a maximum height of 14m with a load capacity of 2.000 kg. Naturally the well known HD/FD34 Tower completes the total range of GS Tower Systems.

** look at pages 78-85 for the detailed information of each of the GS Towers.*



TD50 GROUND SUPPORT TOWER

Max. overall height:	20m
Max. loading capacity:	8t
Truss sections used:	TD50
Sleeveblock:	TT, XT, FT
Self Weight:	130kg

TD44 GROUND SUPPORT TOWER

Max. overall height:	16m
Max. loading capacity:	3t
Truss sections used:	TD44
Sleeveblock :	TT, XT, FT, HD44
Self Weight:	130kg

TD35 GROUND SUPPORT TOWER

Max. overall height:	14m
Max. loading capacity:	2t
Truss sections used:	TD35
Sleeveblock:	ST
Self Weight:	105kg

HD/FD34 GROUND SUPPORT TOWER

Max. overall height:	12m
Max. loading capacity:	1t
Truss sections used:	HD/FD34
Sleeveblock:	HD/FD34, HD/FD44, XD
Self Weight :	65~85kg

Tower Erecting System / LED-Bridge

Overview of Eurotruss' Tower Erecting System and LED Bridge

TOWER ERECTING SYSTEM

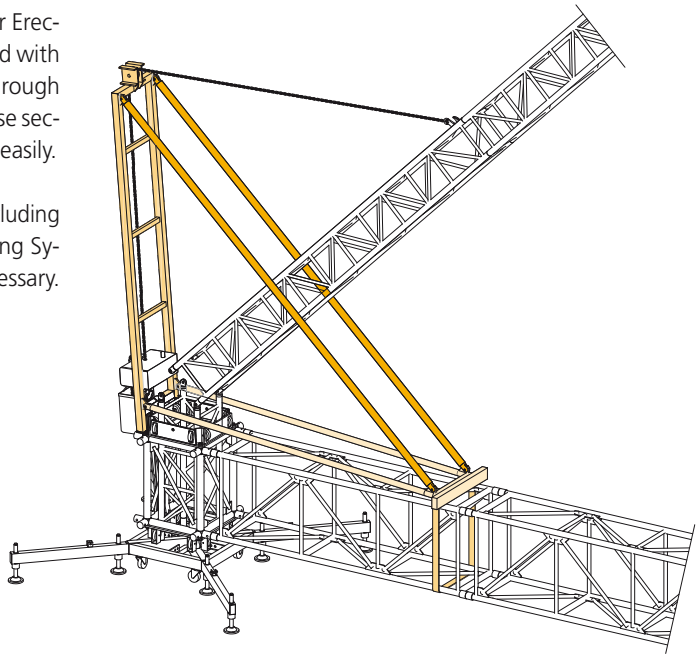
The Eurotruss Tower Erecting System is developed as an additional tower product for the erection of the TD-Tower masts. It is a portable system that can be put up fast and safe. For each System a different Tower Erecting System can erect masts up to various heights.

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 height.

- TES50 Tower Erecting System
  for TD50 Tower & 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



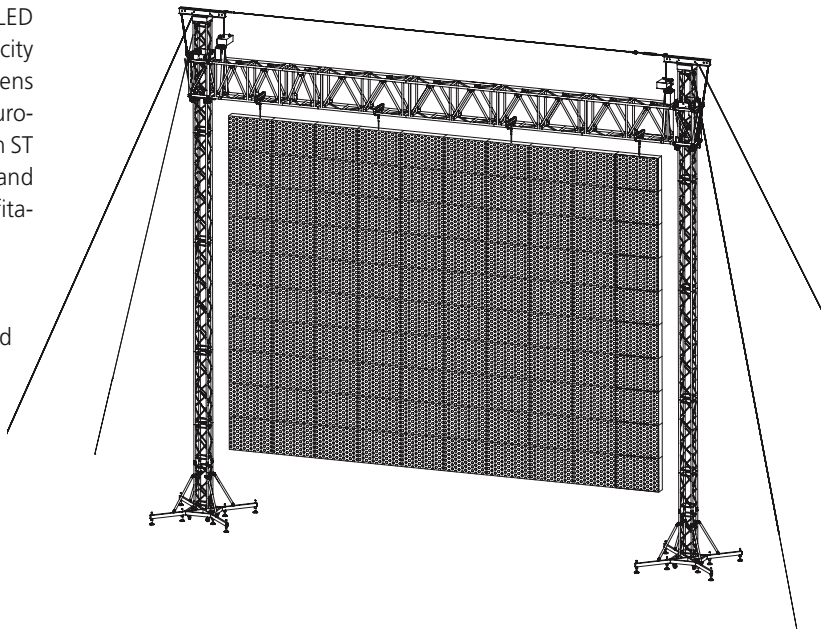
*The TES is exclusive of rigging hoists and ratchet straps.

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. 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 with a maximum load of 1800 kg.
- LED-BR-02 LED Bridge: TD44 Towers and TT Truss Span.
  For LED Screens from 28m² till 54m² with a maximum load of 4050 kg.



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

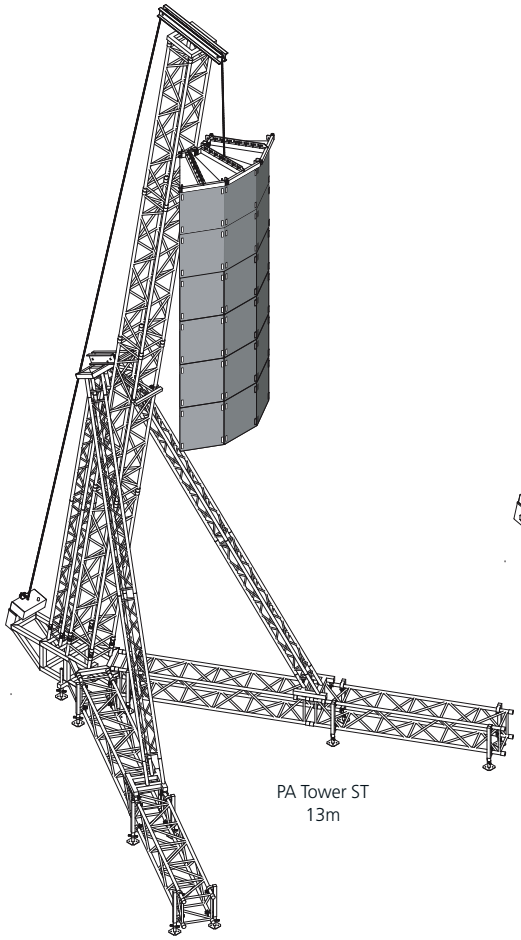
PA TOWERS

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.

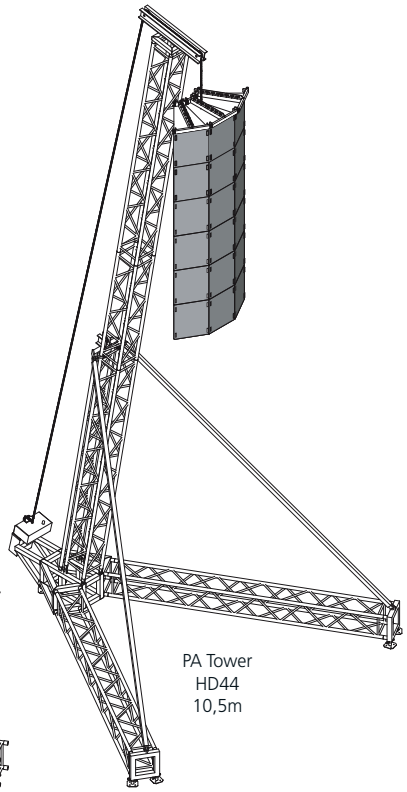
For each PA size and self weight, Eurotruss offers a matching PA Tower solution which is easy and safe to set up, self erecting PA and cost and space effective.

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.

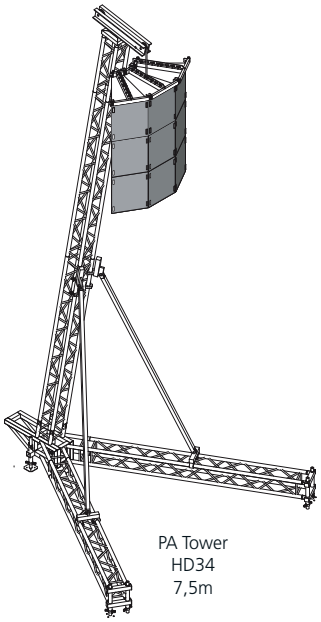
Eurotruss carries three PA Tower Systems from 700 kg till 1200 kg load with a height of 7,5m till 13m.



PA Tower ST
13m



PA Tower
HD44
10,5m



PA Tower
HD34
7,5m

PA TOWER ST	
Max. overall height :	13,28m
Max. lifting height:	13,00m
Max. loading capacity:	1.200kg
Necessary Ballast:	1.240kg
Max. windspeed	8Bft – 70km/h
Max. surface frontload:	7,5m²
Max. surface sideload:	5,5m²
Truss sections used:	ST, FD/HD33
Groundarea length:	7,65m
Groundarea width:	6,98m

PA TOWER HD44	
Max. overall height :	10,84m
Max. lifting height:	10,50m
Max. loading capacity:	800kg
Necessary Ballast:	500kg
Max. windspeed	8Bft – 70km/h
Max. surface frontload:	4,5m²
Max. surface sideload:	3,3m²
Truss sections used:	HD44
Groundarea length:	5,01m
Groundarea width:	5,42m

PA TOWER HD34	
Max. overall height :	7,94m
Max. lifting height:	7,50m
Max. loading capacity:	700kg
Necessary Ballast:	510kg
Max. windspeed	8Bft – 70km/h
Max. surface frontload:	7,5m²
Max. surface sideload:	5,5m²
Truss sections used:	HD34
Groundarea length:	7,65m
Groundarea width:	6,98m

TD50 GROUND SUPPORT TOWER

The heavy duty 50cm Tower for ground supported TT, XT, FT100 and Roofs

Heavy Duty – for all Trusses

TD50 GS TOWER

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

The new tower is designed for extreme heights and high loads. The TD50 GS Tower System in combination with TT Truss can go up 20 meters and handle 8000 kg.

TOP SECTION:

A 2 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. The main tube is 60x5mm and the braces are 30x3 mm.

One side has additional ladder braces (40mm) 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.

TD50 GS TOWER FACTS

Max. Height:	20m
Max Loading:	8000 kg
Tower Truss:	TD50
Sleeve Block:	TT, XT, FT100
Self Weight:	130 kg

Top Section

TOP50-1

Tower Truss

TD50-L*

XT Sleeve Block

SL-AD-XTH
Sleeveplate Up

BLK-SB-XT
XT Cornerblock-Sleeve

SL-AD-XT
Sleeveplate Down

CS3-BOB85
Receiver 85mm*

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*

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

SLEEVE BLOCK:

The sleeve block is 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

*4 pcs. required for one attachment

TD44 GROUND SUPPORT TOWER

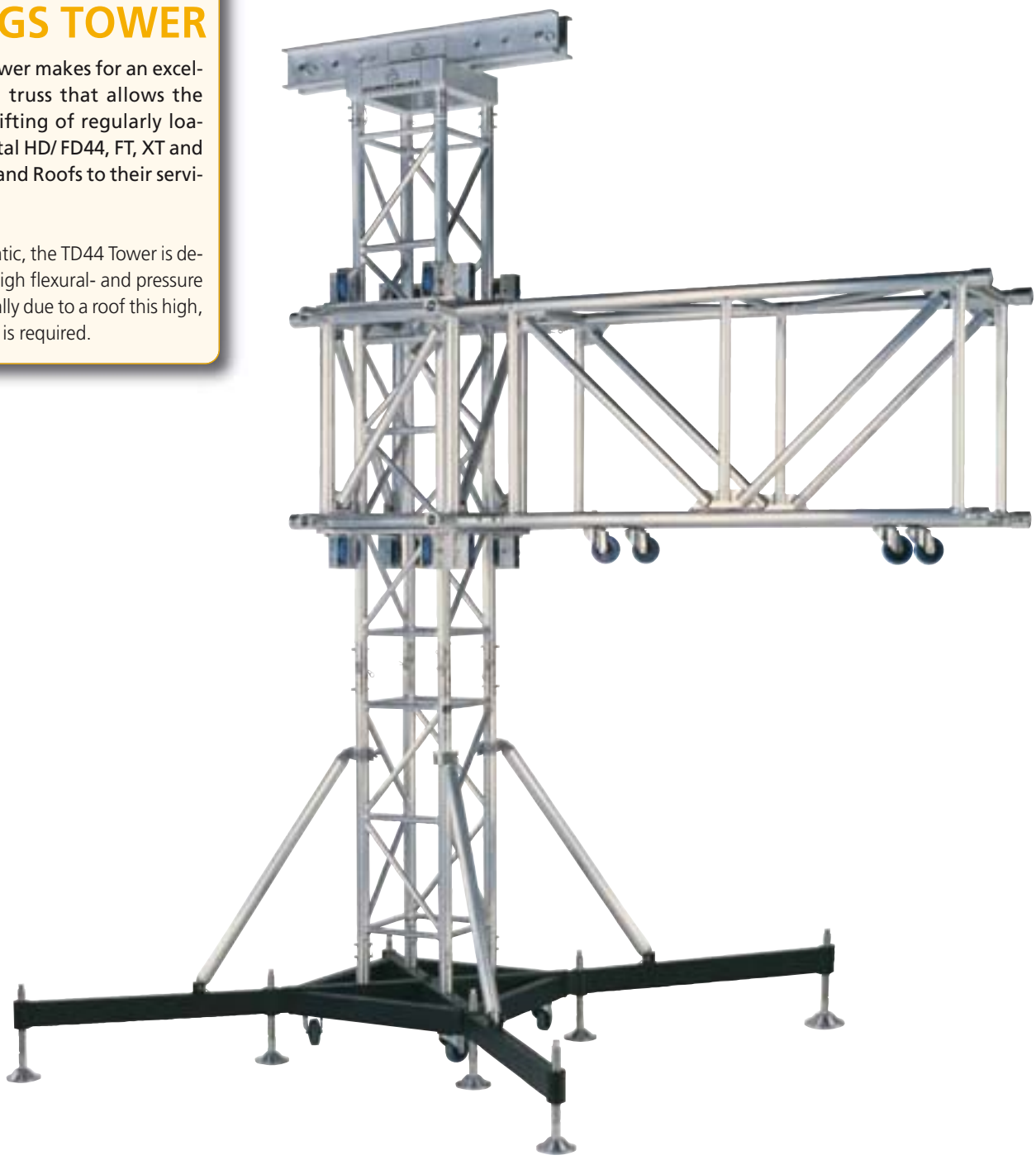
The heavy duty 40cm Tower for ground supported TT, XT, FT and Roofs

The Tower for most Trusses

TD44 GS TOWER

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 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 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
Max Loading:	2000 kg
Tower Truss:	TD44
Sleeve Block:	TT, XT, FT100, HD44
Self Weight:	130 kg

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*

TT Sleeve Block:

SL-AD-TTH
Sleeveplate Up

SL-SLAD-FT100
FT100 Adapter
for FT100 Cornerblock

BLK-SB-TT
TT Cornerblock-Sleeve

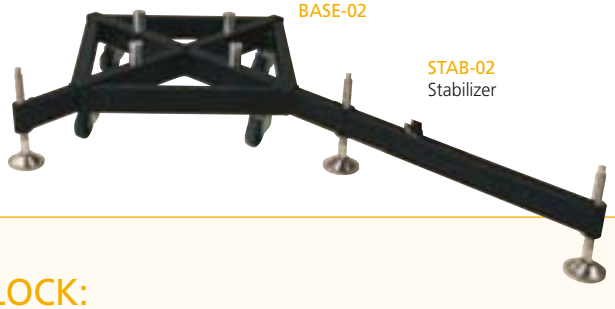
SL-AD-TT
Sleeveplate Down

CS3-BOB85
Receiver 85mm*

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 Tower for ground supported ST and Roofs

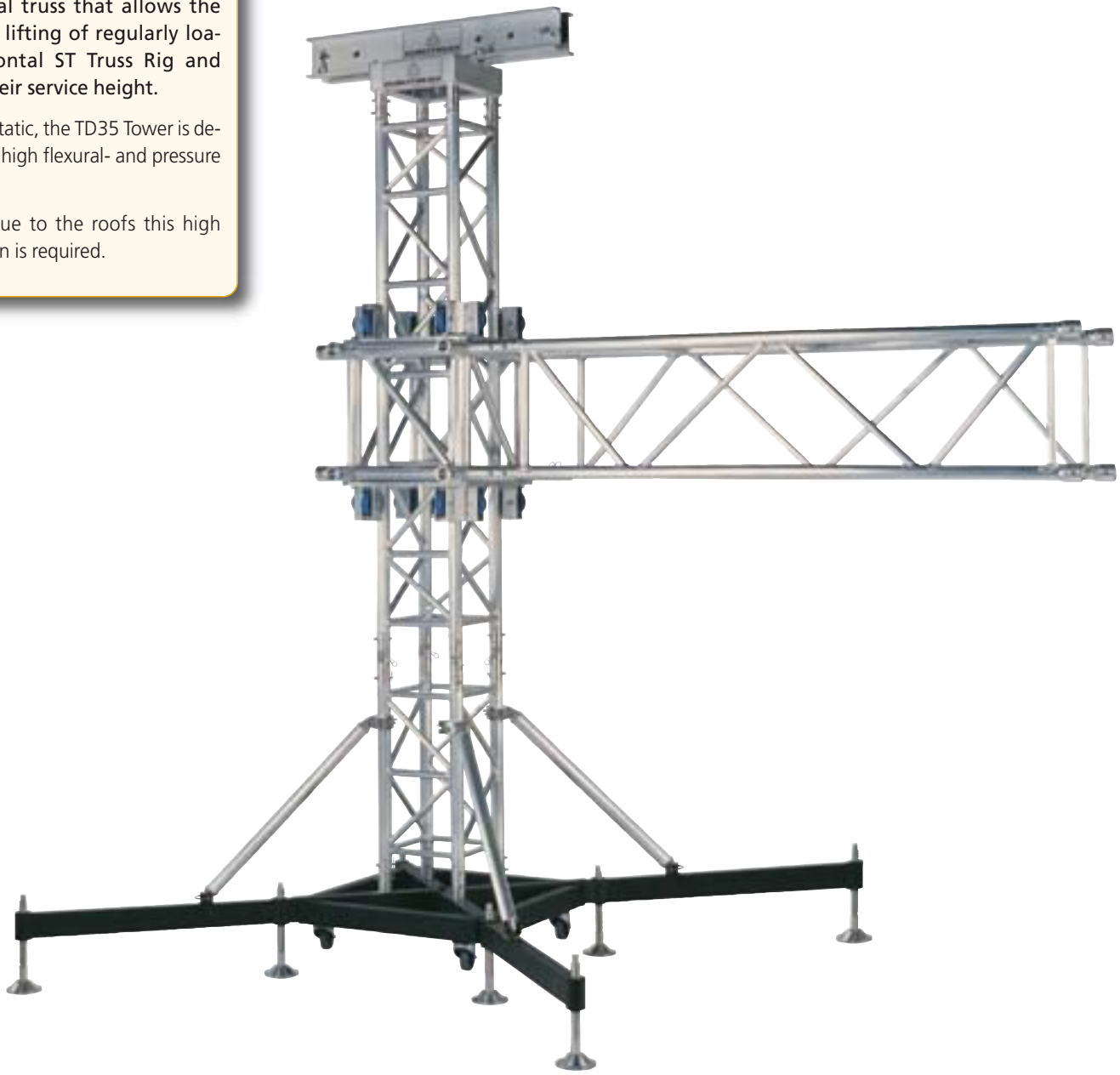
The ST Support Tower

TD35 GS 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 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 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

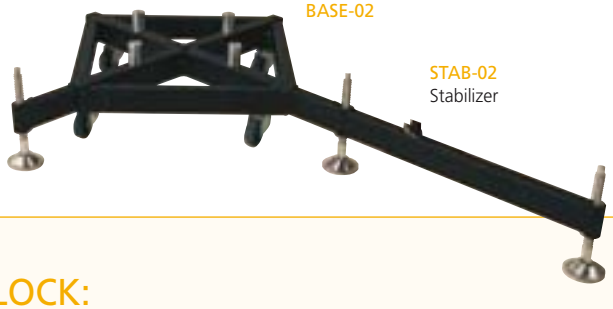
TD35-L**

Hinge Set

CS1-HS L/R

Base:

BASE-02



OUTR-S02
Short Outrigger

STAB-02
Stabilizer

OUTR-L02
Long Outrigger

TD35 GS TOWER	FACTS
Max. Height:	14m
Max Loading:	2000 kg
Tower Truss:	TD35
Sleeve Block:	ST
Self Weight:	105 kg

ST Sleeve Block

SL-AD-STH
Sleeveplate Up

BLK-SB-ST
ST Cornerblock-Sleeve

SL-AD-ST
Sleeveplate Down

CS3-BOB85
Receiver 85mm*

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 Tower for ground supported HD/FD44, HD/FD34, XD and Roofs

The Basic Tower

HD/FD34 GS 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.

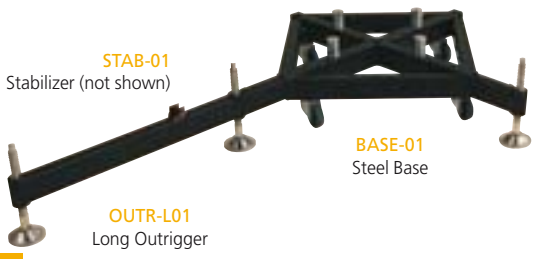
The straight elements of the tower consist of HD/FD34 Standard Truss, allowing a variety of combinations.

This system is compatible with the type HD/FD34 Basement (Touring, Professional and Small Base), 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-BPR
Professional Base

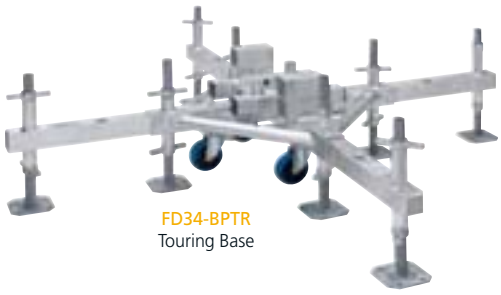


STAB-01
Stabilizer (not shown)

BASE-01
Steel Base

OUTR-L01
Long Outrigger

OUTR-S01
Short Outrigger



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 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
Max Loading:	1000 kg
Tower Truss:	HD/FD34
Sleeve Block:	XD, HD/FD34
Self Weight:	65 ~ 85 kg

Top Section

TOP34-MH
Top Part for
manual chain hoist

TOP34-CH1
Top Part for Motors

Sleeveblock

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

FD34-SB3
FD34 Sleeveblock

Hinge Set

CS1-HS L/R
Hinge Set

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.

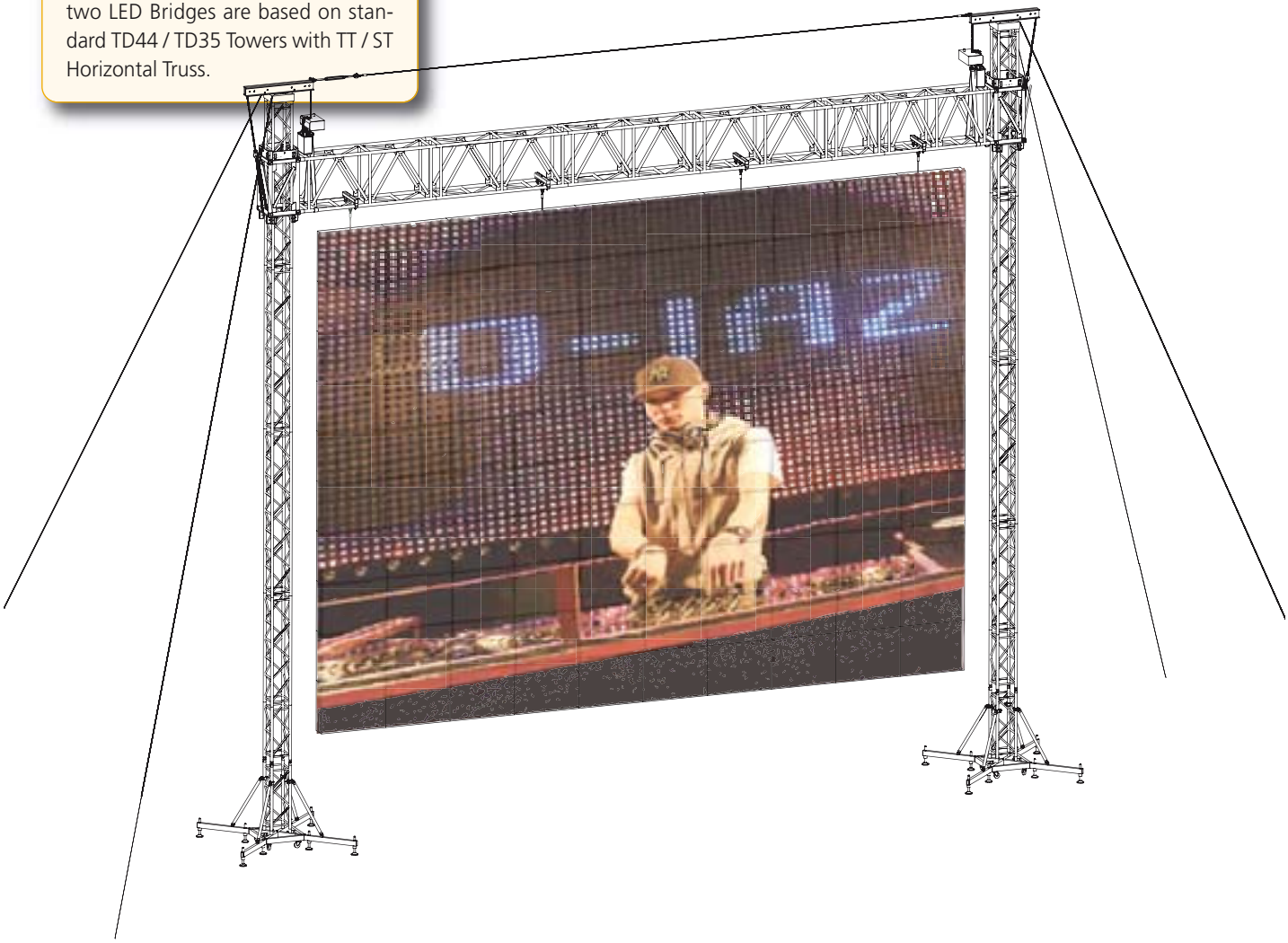
LED Bridge

Single Truss Span for LED Screens

LED BRIDGE

Eurotruss designed two standard LED Bridges to fly an LED Screen.

The load bearing capacity is calculated and guaranteed for Screens till 54m² with a maximum load of 4050 kg. The two LED Bridges are based on standard TD44 / TD35 Towers with TT / ST Horizontal Truss.



Technical Specifications:

LED-BR-01 LED Support Structure	Screens till 24m²
Towers:	TD35
Horizontal Truss:	ST Truss
Height:	7,5m
Clearance:	6,5m
Load Capacity:	1800kg
Guy Wiring:	necessary
	** excl. rigging hoists*

LED-BR-02 LED Support Structure	Screens till 54m²
Towers:	TD44
Horizontal Truss:	TT Truss
Height:	10m
Clearance:	8,5m
Load Capacity:	4050kg
Guy Wiring:	necessary
	** excl. rigging hoists*

PA Tower ST

1200 kg on a height of maximum 13m

ST-ST-TKT
Top-Part

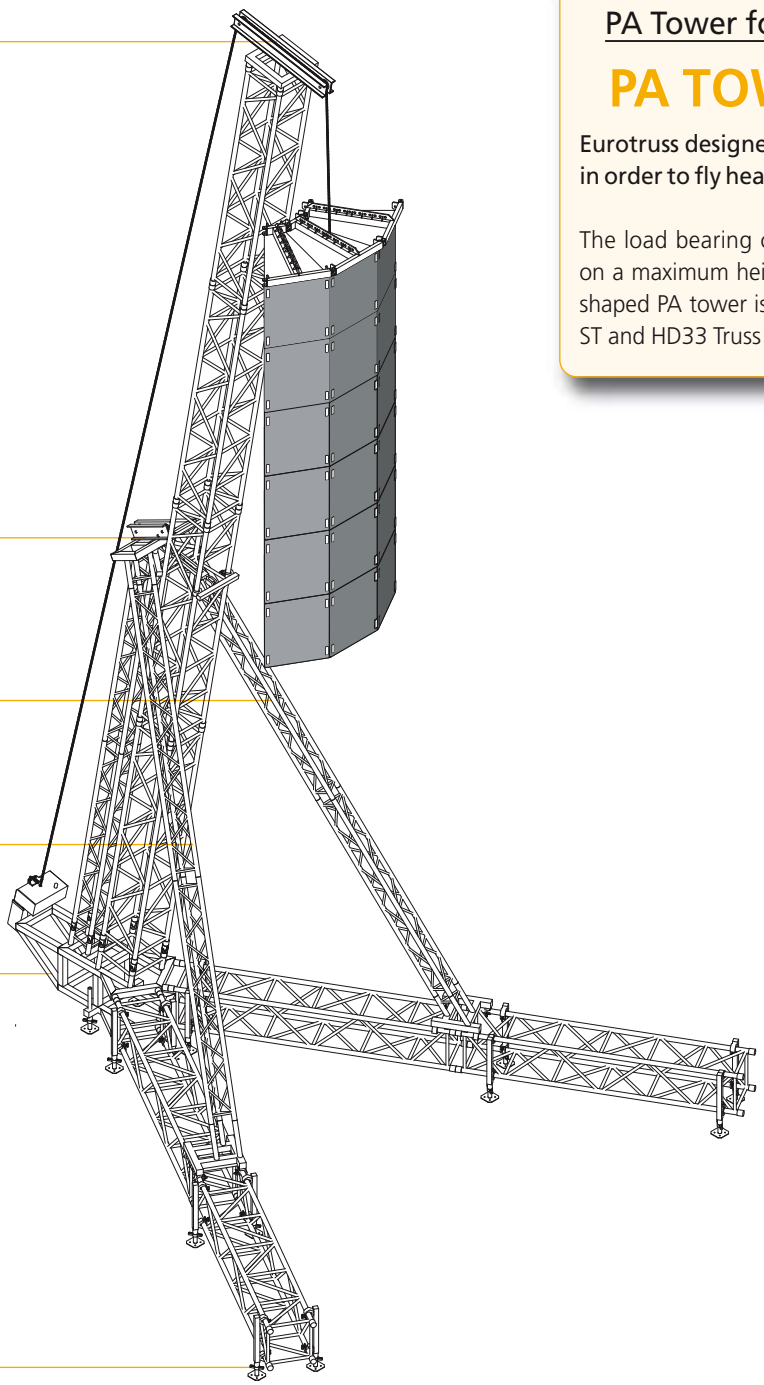
ST-ST-MSC
Mid-Section

ST-ST-SFR
Support attachment right

ST-ST-SFL
Support attachment left

ST-ST-BSE
Central Base

ST-ST-BS
Base Spindle (12x)



PA Tower for light duty

PA TOWER ST

Eurotruss designed the ST PA Tower in order to fly heavy duty PA System.

The load bearing capacity is 1200 kg on a maximum height of 13m. The V shaped PA tower is based on standard ST and HD33 Truss elements.

Technical Specifications:

Max. overall height:	**13,28 mtr**	Max. surface frontload:	7,5 m²
Max. lifting height:	13,00 mt	Max. surface sideload:	5,5 m²
Max. loading capacity:	1200 kg	Truss sections used:	ST/ HD33
Necessary ballast:	1240 kg	Groundarea length:	7,65 m
Max. windspeed:	8Bft - 70km/hrs	Groundarea width:	6,98 m

PA Tower HD44

800 kg on a height of maximum 10,50m

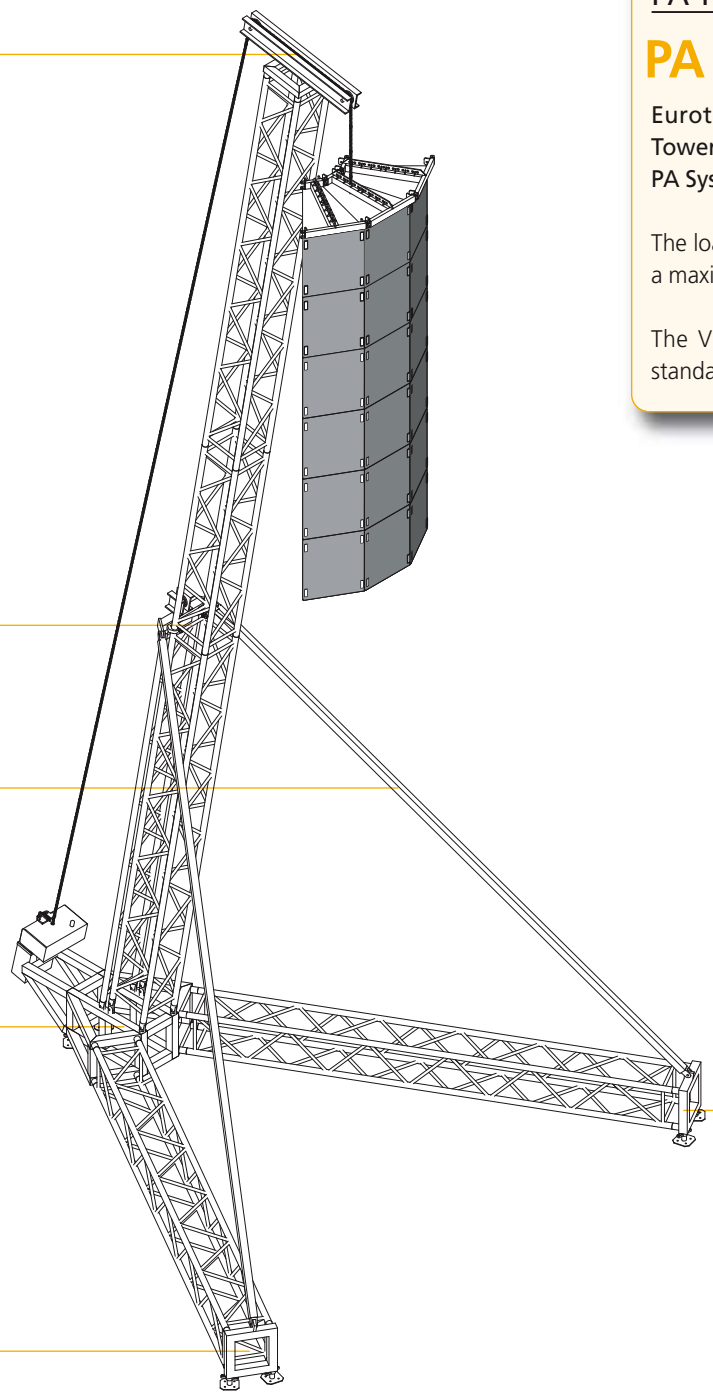
HD44-ST-TKT
Top-Part

HD44-ST-MSC
Mid-Section

HD44-ST-SUP
Support-Beam

HD44-ST-BSE
Central Base

HD44-ST-FBL
Frontbase left



HD44-ST-FBR
Frontbase right

PA Tower for medium duty

PA TOWER HD44

Eurotruss designed the HD44 PA Tower in order to fly medium duty PA System.

The load bearing capacity is 800 kg on a maximum height of 10,50m.

The V shaped PA tower is based on standard HD44 Truss elements.

Technical Specifications

Max. overall height:	**10,84 mtr**	Max. surface frontload:	4,5m²
Max. lifting height:	10,50 mtr	Max. surface sideload:	3,3m²
Max. loading capacity:	800 kg	Truss sections used:	HD44
Necessary ballast:	500 kg	Groundarea length:	5,01m
Max. windspeed	8Bft - 70km/hrs	Groundarea width:	5,42m

PA Tower HD34

700 kg on a height of maximum 7,5m

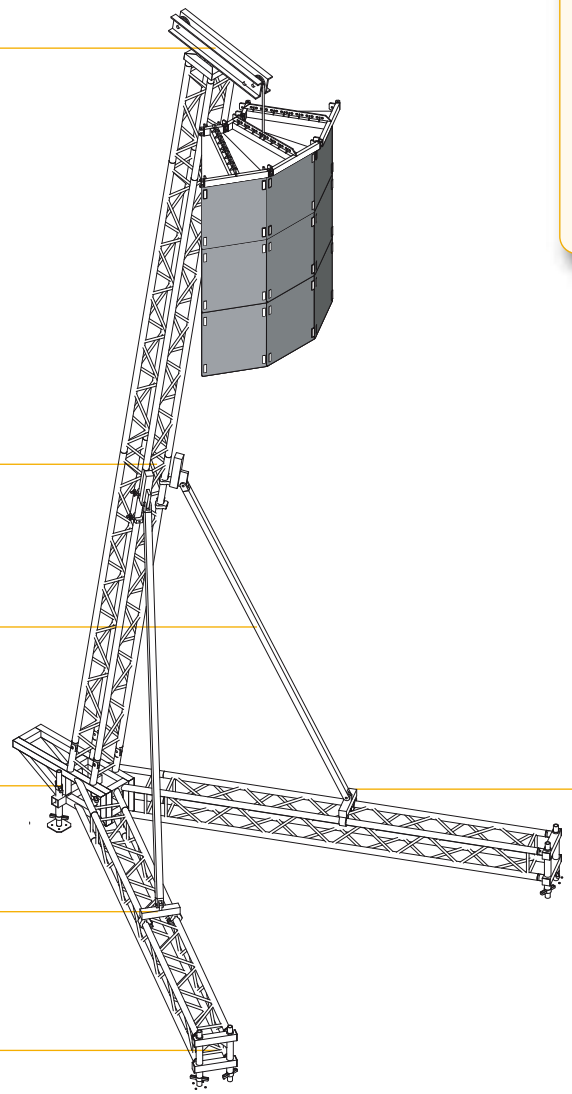
PA Tower for light duty

PA TOWER HD34

Eurotruss designed the HD34 PA Tower in order to fly light duty PA System.

The load bearing capacity is 700 kg on a maximum height of 7,5m.

The V-shaped PA tower is based on standard HD34 Truss elements.



Technical Specifications

Max. overall height:	**7,94mtr**	Max. surface frontload:	3 m²
Max. lifting height:	7,50mtr	Max. surface sideload:	2,5 m²
Max. loading capacity:	700kg	Truss sections used:	HD34
Necessary ballast:	510kg	Groundarea length:	3,97 m
Max. windspeed	8Bft - 70km/hrs	Groundarea width:	4,00 m

Roof Systems

TT Pro Roof
XT Pro Roof
ST Pro Roofs
ST Medium Roofs
Tunnel Roof HD
Sattle Roofs HD / FD
Down Hill Roof HD / FD
Beetle Roofs HD / FD

INTRODUCTION OF ROOF SYSTEMS

Eurotruss designed its total roof range in order to meet the market standards in terms of size, load bearing capacity, truss system, modularity and flexibility.

The Eurotruss Roof System is a temporarily mobile structure to cover a stage and provide the possibility of hanging numbers of light features, PA, Led Screens and other features required to make a spectacular show under any given circumstance.

Eurotruss categorize its roof systems to the Eurotruss Truss Types and required stage sizes. Eurotruss considers during design the safety, the environmental circumstances and the required load bearing capacity.

Each Eurotruss roof is calculated and made according to the German standards and regulations (DIN 4112 Temporary Structures). Each roof must have a manual and static report in order to be safe.

The broad and long experience has resulted in a perfectly matched range of Roof Systems.

A Eurotruss Roof is designed under the following restrictions:

The roof design should contain a reasonable number of standard truss types.

Building on from an existing Eurotruss Ground Support System.

Relative high loading figures for each size and type of roof.

Each Eurotruss roof should apply to all safety regulations worldwide.

THE ROOF SYSTEMS

TT Pro Roof System 25x16

This ground supported roof system covers a stage of 25x16m. It standson eight TD44 or TD50 Towers with a main rig of TT Truss and the roof structure out of ST Truss.
The roof is not only impressive by its size but also by its huge load bearing capacity of over 20 Tons (UDL).
PA Wings and integrated scaffolding stage structure are available

XT Pro Roof System 22x16

This ground supported roof system covers a stage of 22x16m. It stands on six TD44 Towers with a main rig of XT Truss and the roof structure out of ST Truss. The roof is not only impressive by its size but also by its huge load bearing capacity of over 14 Tons (UDL).
PA Wings and integrated scaffolding stage structure are available.

ST Pro Roof System 20x14 +

This ground supported roof system covers a stage of 20x14m but can be built in various stage size of 18x14, 16x12 and 14x12m. It stands on six TD35 Towers with a main rig and a roof structure of ST Truss. These roofs have a load bearing capacity of over 10 Tons (UDL).
PA Wings and integrated scaffolding stage structure are available.

ST Medium Roof System 14x10 +

This ground supported roof system is available in two sizes; 12x10m and 14x10m. Both sizes stands on four TD35 Towers with a main rig and a roof structure of ST Truss. These roofs have a load bearing capacity ´of over 5 Tons (UDL). The ST Medium Roof is extendable into a ST Pro Roof as the concept and set up is the same.
PA Wings and integrated scaffolding stage structure are available.

Tunnel Roof HD 12x10

The Tunnel Roof is an arched roof system made out of standard HD34 Lengths and hinges. The Tunnel Roof covers a stage of 12x10m and has a clever cantilever of standard HD32 Ladder Truss. The Tunnel Stage can also be integrated into a scaffolding stage structure with an impressive 7m clearance.

* tunnel roof on towers available on request

Sattle Roof MD 12x10

This roof has been designed to cover a stage of 120m2 with effective use of the standard HD44 in the main rig and HD34 Towers. This results in a cost effective roof structure with relative high load bearing capacity. PA Wings are available and the 12x10m Sattle Roof can be lifted by electrical or manual chain hoists.

Sattle Roof 10x8

This roof is designed to be built mainly out of standard FD34 Truss. The Towers, Main Rig and Roof Structure are made out of FD34 Truss.
The size and load bearing capacity is well balanced.; This results in a cost effective roof structure with a relatively high load bearing capacity. PA Wings are available and the 10x8m Sattle Roof can be lifted by electrical or manual chain hoists.

Down Hill Roof HD/FD 8x6

This roof is designed to be built as a standard FD34 Ground Support but in combination with adjustable angle plates its pitch may be adjusted as needed. This gives the considerable advantage that it may be built exclusively out of standard FD34 elements, using only four adjustable angle plates.
The angle plates are made for a 5, 10 and 15 degree angle although the stability certificate prefers a 10 degree pitch.

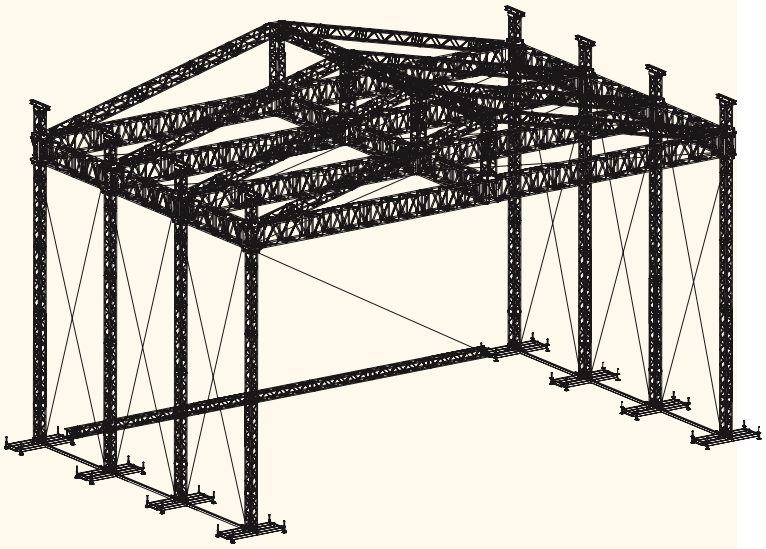
Beetle Roofs HD/FD 8x6 +

The Beetle Roofs are available in two sizes; 8x6m and 8x4m. It stands on four fixed FD34 Legs and the main rig is also been built out of standard FD34 elements.
The roof structure is made of FD33 arches. This optically attractive construction exhibits an easy set up without towers.

+ = Various sizes available

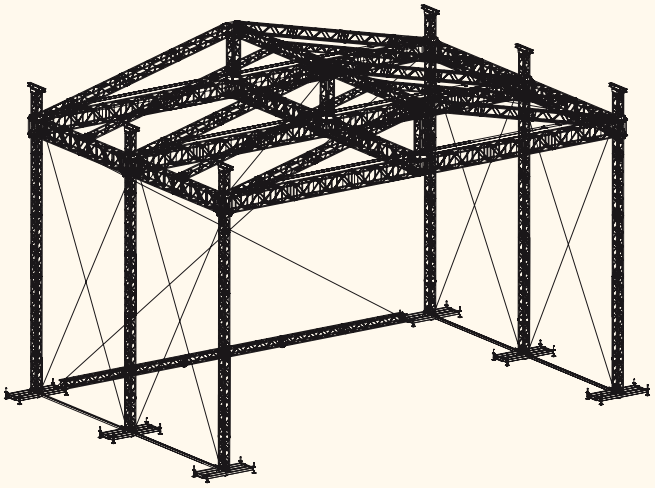
Roof Overview

TT Pro Roof 25x16, XT Pro Roof 22x16 and ST Pro Roofs 20x14



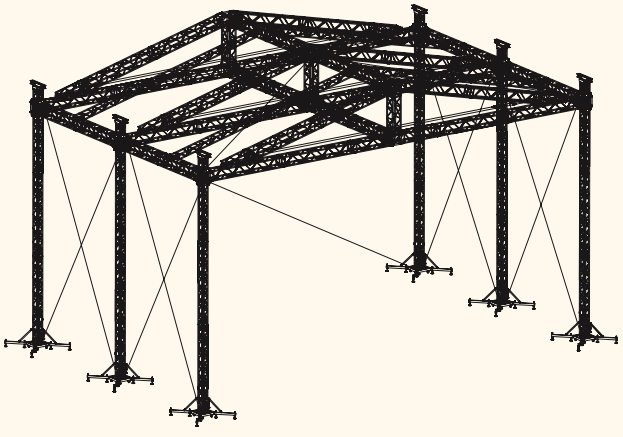
TT Pro Roof	25x16
Stage Area:	384m²
Load Capacity UDL:	20000kg
Clearance Height:	12,69mtr
Truss Main Rig:	TT Truss
Towers:	TD44 Tower

* Stage + Ballast Safe available



XT Pro Roof	22x16
Stage Area:	352m²
Load Capacity UDL:	14000kg
Clearance Height:	12,69mtr
Truss Main Rig:	XT Truss
Towers:	TD44 Tower

* Stage + Ballast Safe available



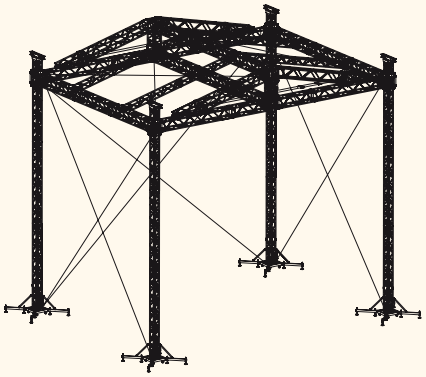
ST Pro Roofs	20x14 +
Stage Area:	180 – 294m²
Load Capacity UDL:	10250kg
Clearance Height:	10,9mtr
Truss Main Rig:	ST Truss
Towers:	TD35 Tower
Also available in:	18x14m
	14x12m and 16x12m

* Stage + Ballast Safe available

»+« = Various sizes available

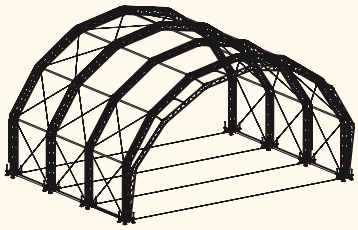
Roof Overview

ST Medium Roofs 14x10, Tunnel Roof 12x10 and Sattle Roof MD



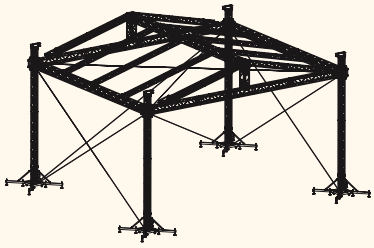
ST Medium Roofs	14x10+
Stage Area:	130 – 150m²
Load Capacity UDL:	5500kg
Clearance Height:	10,9mtr
Truss Main Rig:	ST Truss
Towers:	TD35 Tower
Also available in:	12x10m

* Stage + Ballast Safe available



Tunnel Roof HD	12x10
Stage Area:	120m²
Load Capacity UDL:	4500kg
Clearance Height:	7,05mtr
Truss Main Rig:	HD34 Truss

* Stage + Ballast Safe available



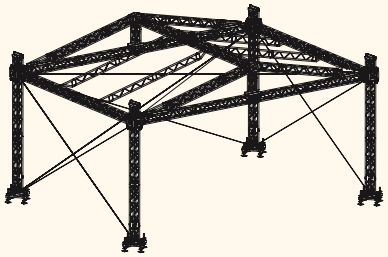
Sattle Roof MD	12x10
Stage Area:	132m²
Load Capacity UDL:	1800kg
Clearance Height:	6,65mtr
Truss Main Rig:	HD44 Truss
Towers:	HD34 Tower

* Stage + Ballast Safe available

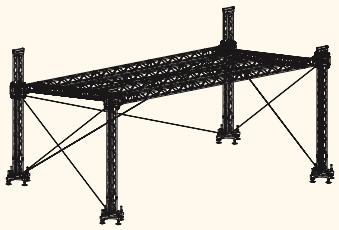
»+« = Various sizes available

Roof Overview

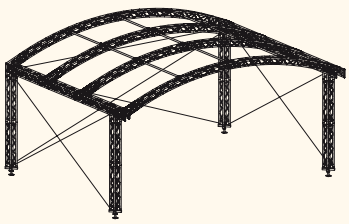
Sattle Roof 10x8, Down Hill Roof 8x6 and Beetle Roofs 8x6



Sattle Roof	10x8
Stage Area:	80m²
Load Capacity UDL:	1100kg
Clearance Height:	4,75mtr
Truss Main Rig:	FD34 Truss
Towers:	FD34 Tower
Also available in:	8x6m



Down Hill Roof HD/FD	8x6
Stage Area:	54m²
Load Capacity UDL:	480kg
Clearance Height:	4,5 / 4,3mtr
Truss Main Rig:	FD34 Truss
Towers:	FD34 Tower



Beetle Roofs HD/FD	8x6+
Stage Area:	32 – 48m²
Load Capacity UDL:	450kg
Clearance Height:	4,55mtr
Truss:	FD34 Truss
Arches:	FD33 Truss
Also available in:	8x4m

»+« = Various sizes available

ROOF ABC

The Eurotruss Roof is a temporary structure covering a stage and a support for hanging equipment such as lights, and sound.

The Eurotruss Roof Systems are constructed to cope with high loadings and environmental influences. All Eurotruss roof systems are based on a standard ground support and standard truss types.

GROUND SUPPORT:

The towers require outriggers and stabilizers on the basement. The main rig consists of standard truss types. The towers should be secured with enough extra weight (ballast) , Eurotruss offers various solutions as ballast safes, basements and ballast water tanks (see chapter stage equipment).

GUY WIRES:

It is necessary to secure the towers and main rig with safety cables and guy wires. Eurotruss offers a broad spectrum of ratchet straps, steels, ratchet bands, steel wires and variable chain sets according the requirements for outdoor roof systems.

ROOF STRUCTURE:

The roof structure consists of mainly standard elements. Some special roof parts are integrated for connection to the main rig and ensure an optimal slope. The main gables carry the load and the support gables are placed to support the roof canopy.

STAGE EQUIPMENT:

Eurotruss is a total supplier of complete roof systems and stages such as Scaffolding Stage Structures, Stage Decks, Ballast Solutions, Rigging Hoists and Modular Barriers. Intelligent solutions as integrated tower adapter (ballast safes) and foldable water tanks (ballast profi) are available.

CANOPY:

All canopies are made of fire retardant PVC material. The qualification for this material is M2. For the sides and the back Eurotruss uses 50%open PVC material. Wind force 10 Beaufort (28 meters per second) is calculated with only top canopy. When fully closed with side, back and top canopy the wind force may not exceed 8 Beaufort (20 meter per second).

For more information about stage technology and equipment look at chapter Stage Equipment (page 116-131)

TT Pro Roof 25x16

TT Pro Roof of 25x16m on 8 Towers

TT PRO ROOF

The TT Pro Roof consist of a TT Ground Support on eight TD44 Towers and a Roof Structure of ST Truss.

The TT Pro Roof can be used on towers or integrated on wings of scaffolding wings.

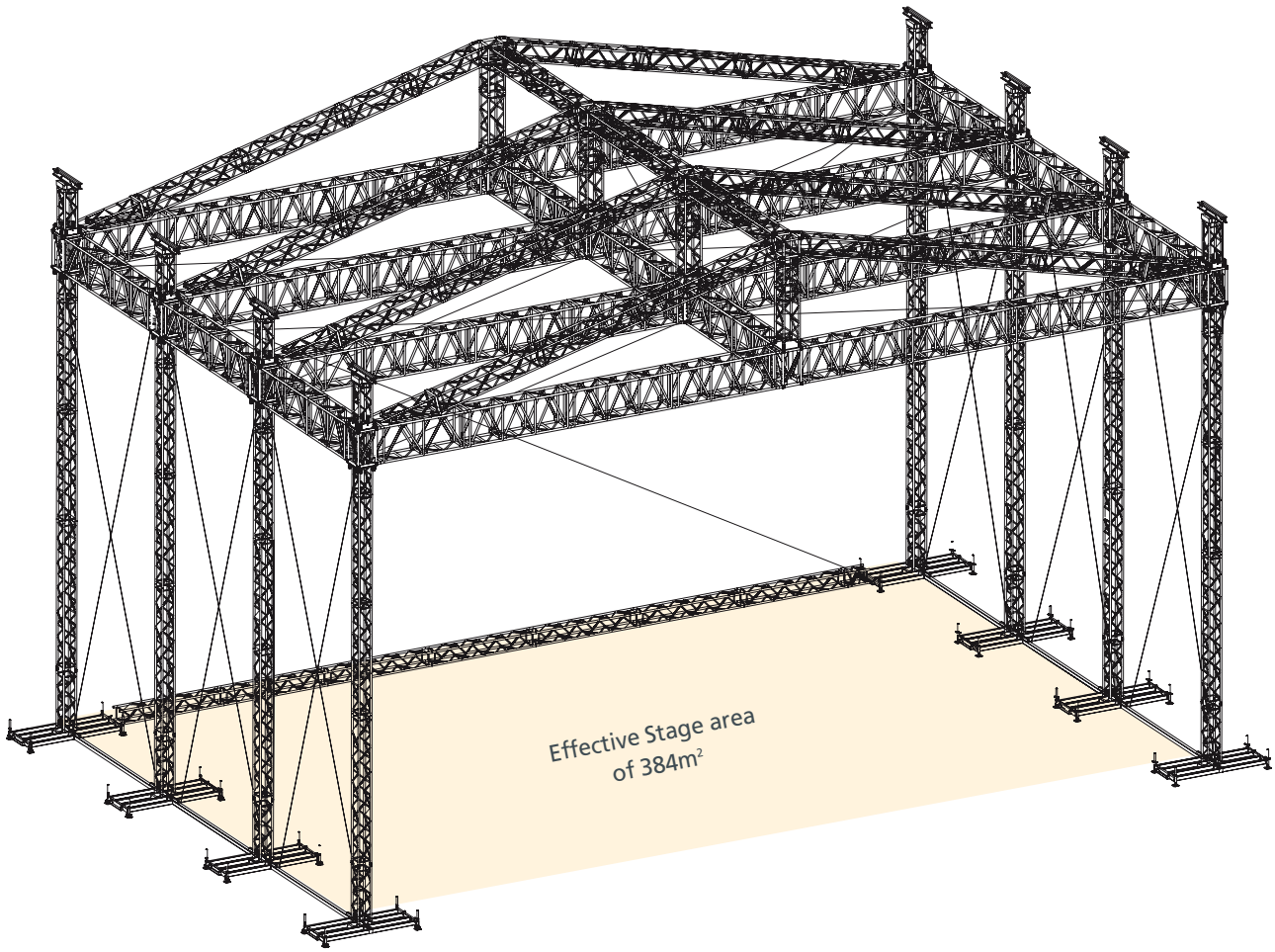
The TT Pro Roofs are available in 25x16m and re-buildable in 19x16m and 16x12m.

This roof is constructed on eight TD44 Towers and TT Truss in the main rig with four ST roof gables.

The roof gables of ST on the TT main rig result in an impressive load bearing capacity.

The total roof includes guy wires, structural reports and manual.

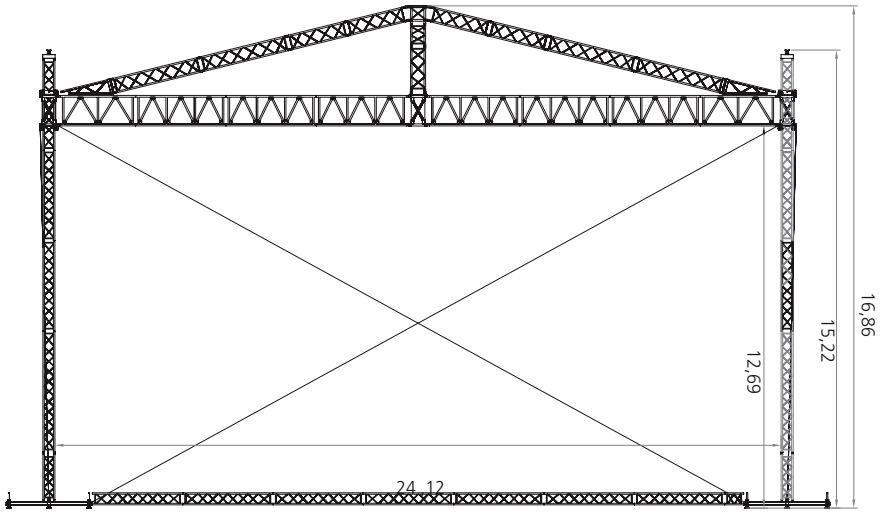
* PA Wings are available

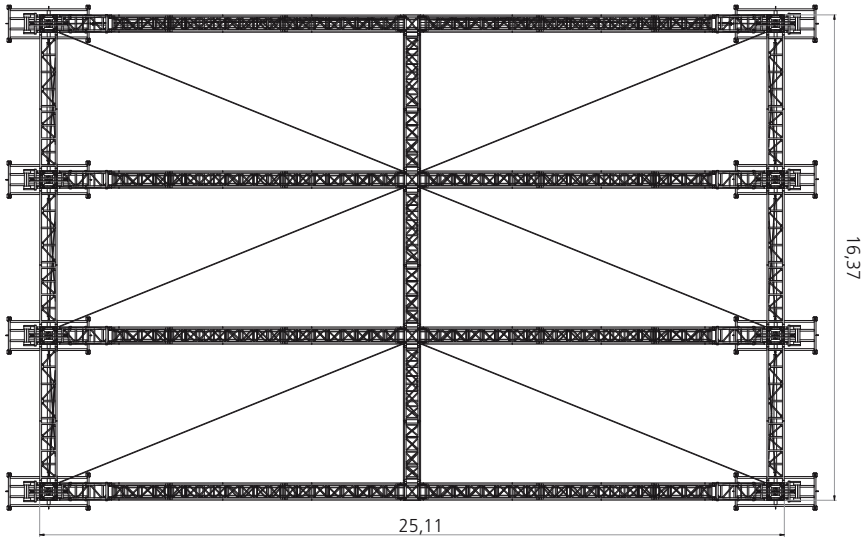


TT Pro Roof	25x16m
Loading Capacity Roof UDL:	20000 kgs
Loading Capacity PA Wings CPL:	2x 2000 kgs
Total self weight app.:	~10500 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications	
Structure:	TD44 Towers and TT GS
Size:	25x16m
Towers:	TD44 Tower GS
Main Grid:	TT 101x58cm
Roof Structure:	ST 51x51cm
Stage:	Tower integr. in scaffolding stage
Options:	PA Wings and Canopy





For Ballast Information
look at pages 132-133

TT Pro Roof:	
Dimensions:	**25x16m**
Inside Roof:	24,1 x 16,4m
Outside Roof:	25,1 x 16,4m
Clearance:	12,69m
Tower height:	15,21m
Rooftop height:	16,86m

XT Pro 22x16

XT Pro Roof on 6 Towers

XT PRO ROOF

The XT Pro Roof consist of a XT Ground Support on six TD44 Towers and a Roof Structure of ST Truss. The XT Pro Roof can be used on towers or integrated on stage of scaffolding.

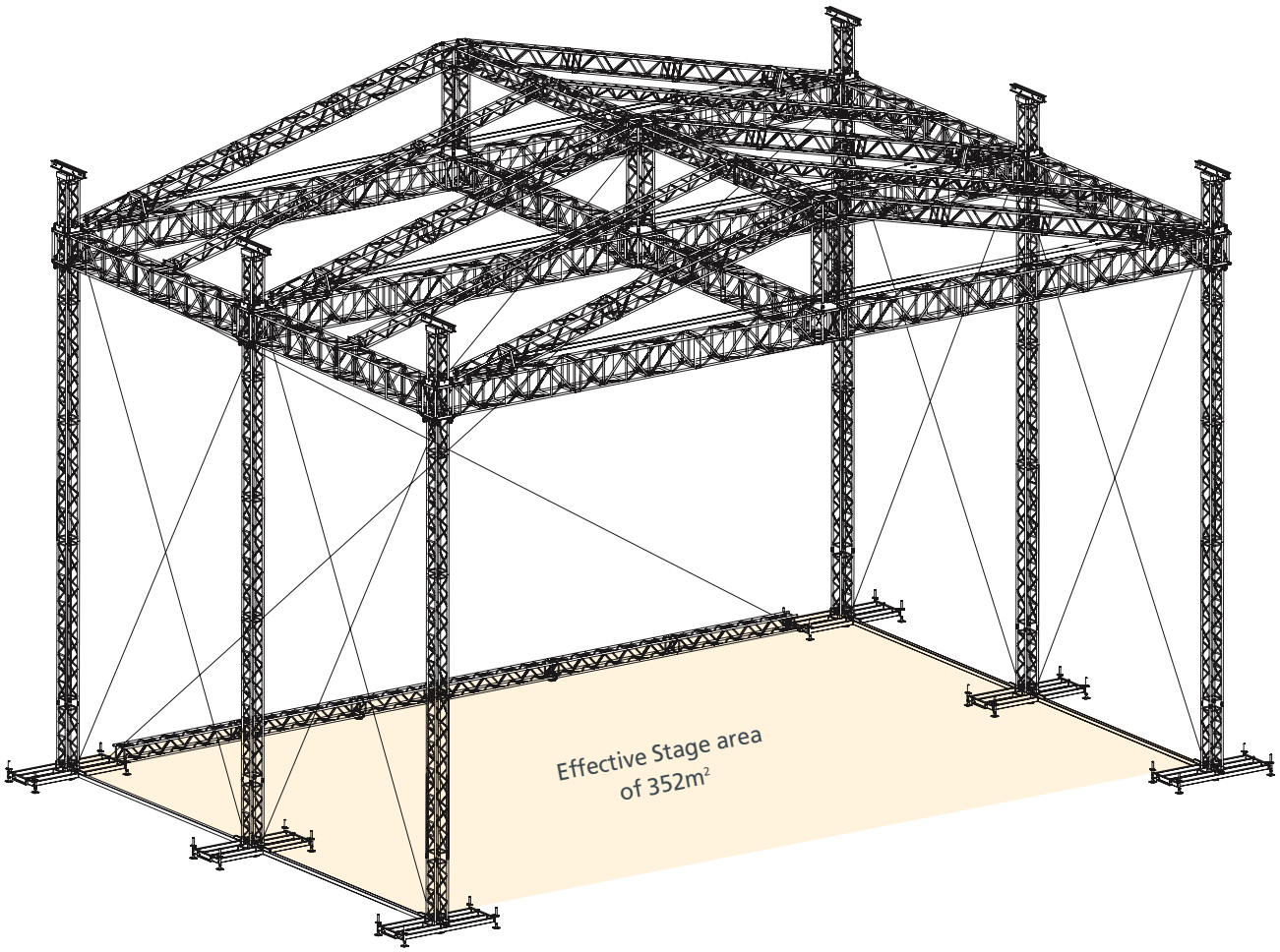
The XT Pro Roofs are available in 22x16m and re-buildable in 19x16m and 16x12m.

These roofs are constructed on six TD44 Towers and XT Truss in the main rig with three ST roof gables. The roof gables between the ST gables are FD43 lengths to support the top canopy.

The roof gables of ST on the XT main rig result in an impressive load bearing capacity of 14000kg (UDL).

The total roof includes guy wires, structural reports and manual.

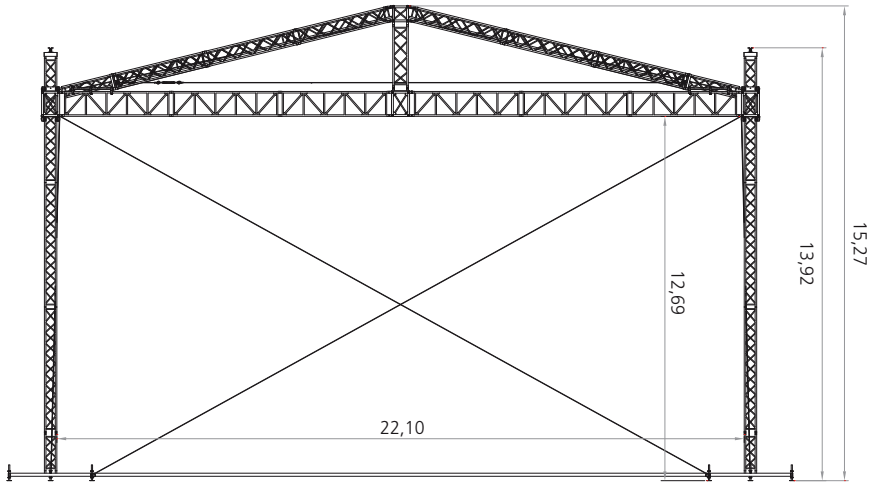
* PA Wings are available

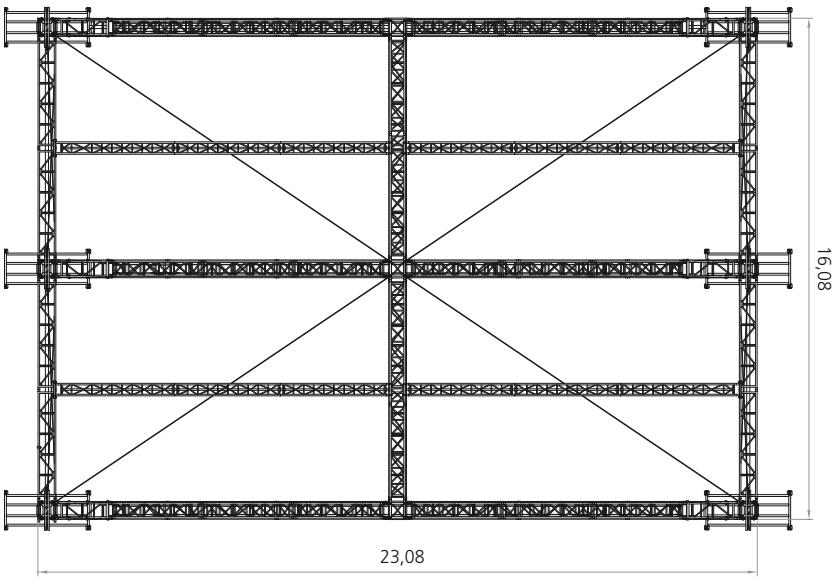


XT Pro Roof	22x16m
Loading Capacity Roof UDL:	14000 kgs
Loading Capacity PA Wings CPL:	2x 2000 kgs
Total self weight app.:	~8000 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications	
Structure:	TD44 Towers and XT GS
Size:	22x16m
Towers:	TD44 Towers GS
Main Grid:	XT 81x58cm
Roof Structure:	ST 51x51cm
Stage:	Tower integr. in scaffolding stage
Options:	PA Wings and Canopy





For Ballast Information
look at pages 132-133

XT Pro Roof:	
Dimensions:	**22x16m**
Inside Roof:	22,10m x 16,08m
Outside Roof:	23,08m x 16,08m
Clearance:	12,69m
Tower height:	13,92m
Rooftop height:	15,27m

ST Pro Roof 20x14 | 18x14 | 16x12 | 14x12

ST Pro Roof on 6 Towers

ST PRO ROOF

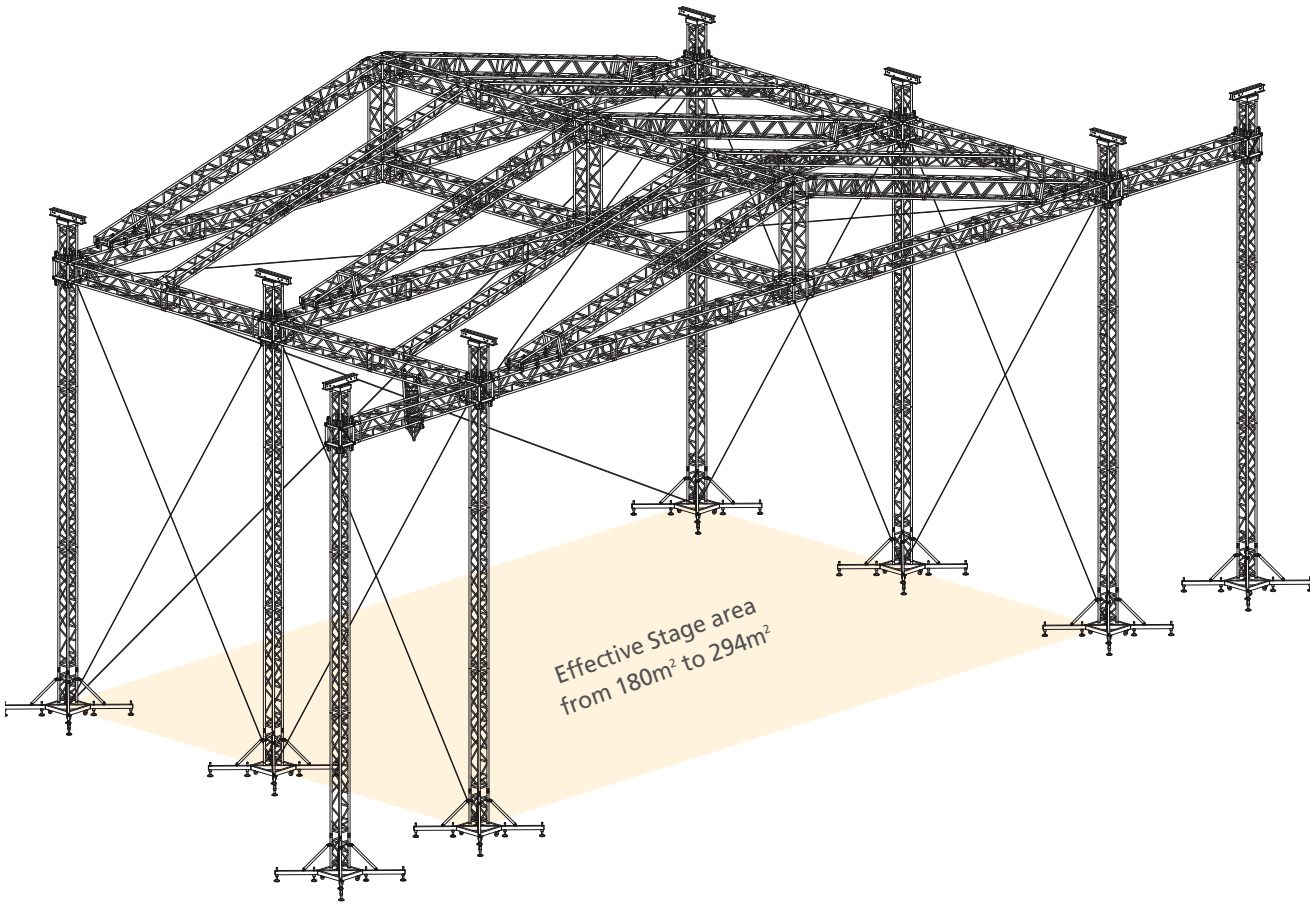
The ST Pro Roof consist of a ST Ground Supports on six TD35 Towers and a Roof Structure of ST Truss.
All the ST Roofs are developed to make a standard roof with impressive load bearing capacity and using mainly standard truss elements.

The ST Pro Roofs are standard available in 14x12m, 16x12m, 18x14m and 20x14m. Those roofs are constructed on six TD35 Towers and ST Truss in the main rig and roof structure. The gables between the ST front, centre and back gable are FD43 lengths to support the top canopy.

The canopy is tightened with tubes and ratchet straps.

The total roof includes guy wires, structural reports and manual. The ST Pro Roofs can be re-build in various dimensions.

* PA Wings are available

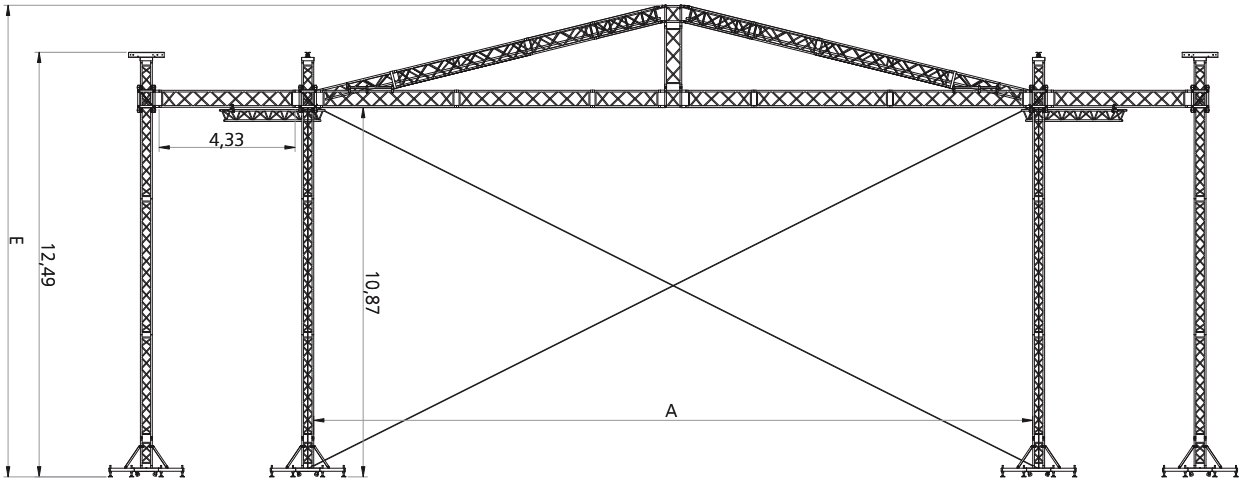


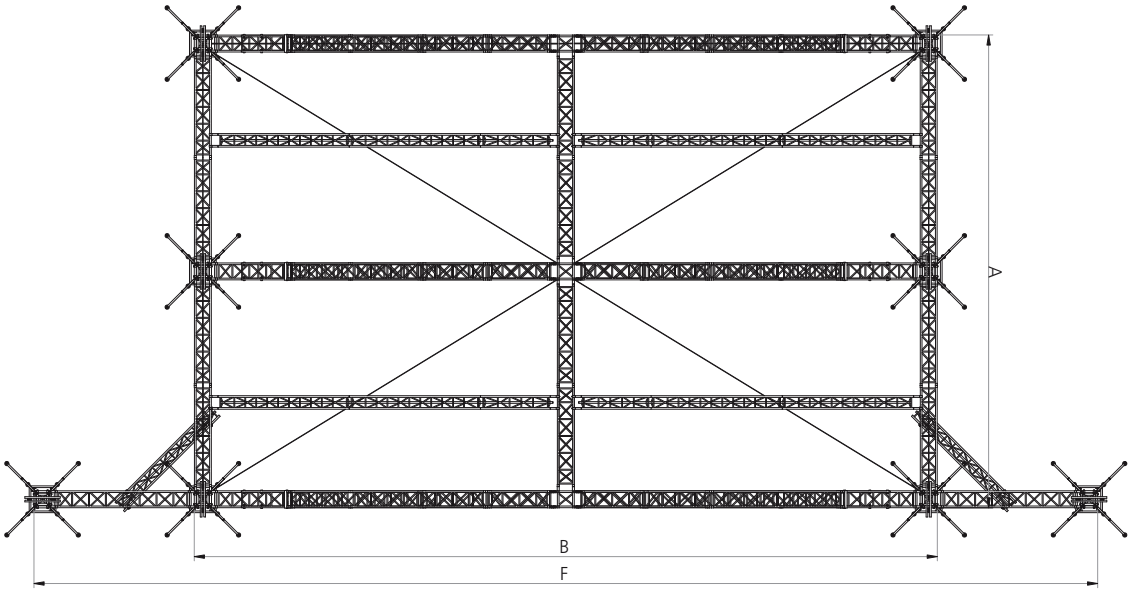
ST Pro Roofs	14x12m / 16x12m 18x14m / 20x14m
Loading Capacity Roof UDL:	10250 kgs
Loading Capacity PA Wings CPL:	2x 1500 kgs
Total self weight app.:	~6000 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications

Structure:	TD35 Towers and ST GS
Size:	20x14m, 18x14m, 16x12m, 14x12m
Towers:	TD35 Tower GS
Main Grid:	ST 51x51cm
Roof Structure:	ST 51x51cm
Stage:	Tower integr. in scaffolding stage
Options:	PA Wings and Canopy





For Ballast Information
look at pages 132-133

ST Pro Roof: Dimensions	20x14m
A: Inside Roof:	21x13,7m
B: Outside Roof:	21,7x13,7m
C: Clearance:	10,87m
D: Tower height:	12,49m
E: Rooftop height:	14,12m
F: Outside incl. PA:	31,07m
G: PA-Wing:	4,00m

ST Pro Roof: Dimensions	18x14m
A: Inside Roof:	19x13,7m
B: Outside Roof:	19,7x13,7m
C: Clearance:	10,87m
D: Tower height:	12,49m
E: Rooftop height:	13,87m
F: Outside incl. PA:	29,07m
G: PA-Wing:	4,00m

ST Pro Roof: Dimensions	16x12m
A: Inside Roof:	17x11,7m
B: Outside Roof:	17,7x11,7m
C: Clearance:	10,87m
D: Tower height:	12,49m
E: Rooftop height:	13,37m
F: Outside incl. PA:	27,07m
G: PA-Wing:4,00m	4,00m

ST Pro Roof: Dimensions	14x12m
A: Inside Roof:	15x11,7m
B: Outside Roof:	15,7x11,7m
C: Clearance:	10,87m
D: Tower height:	12,49m
E: Rooftop height:	13,12m
F: Outside incl. PA:	25,07m
G: PA-Wing:	4,00m

ST Medium Roof 14x10 I 12x10

ST Medium Roof on 4 Towers

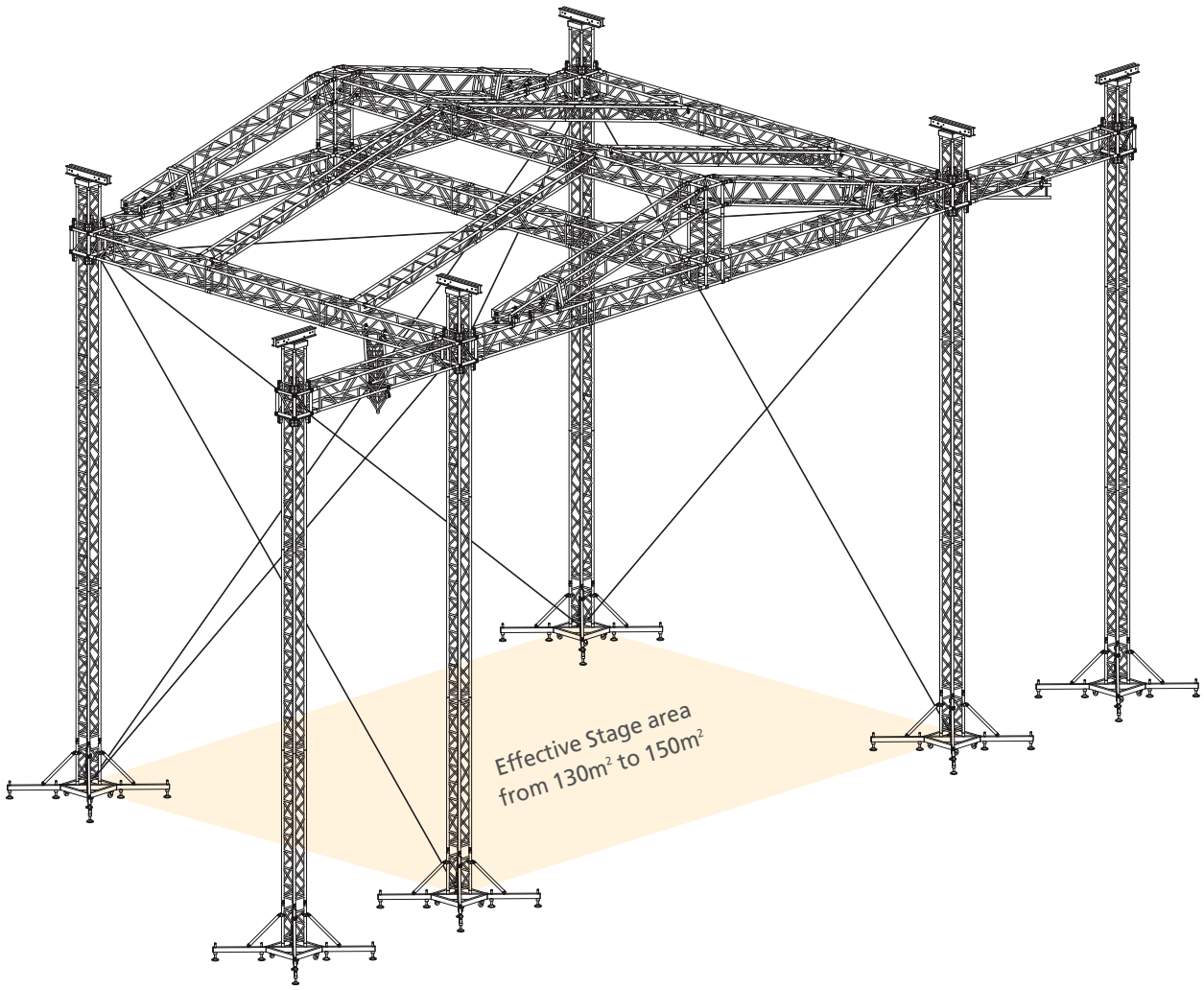
ST MEDIUM ROOF

The ST Medium Roofs consist of a ST Ground Supports on four TD35 Towers and a Roof Structure of ST Truss.
All the ST Roofs are developed to make a standard roof with impressive load bearing capacity and using mainly standard truss elements.

The ST Medium Roofs are standard available in 12m and 14m wide and 10m deep. Those roofs are constructed on four TD35 Towers and ST Truss in the main rig and roof structure. The gables between the ST front and back gable are FD43 lengths to support the top canopy.

The canopy is tightened with tubes and ratchet straps.
The total roof includes guy wires, structural reports and manual. The ST Medium Roofs can be extended to ST Pro Roof with a maximum size of 20x14m.

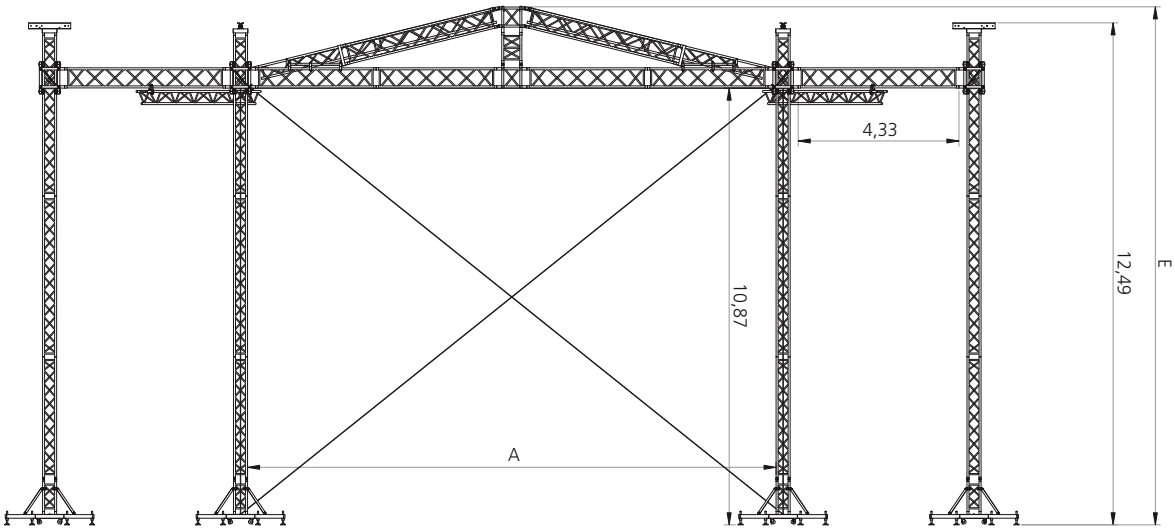
* PA Wings are available

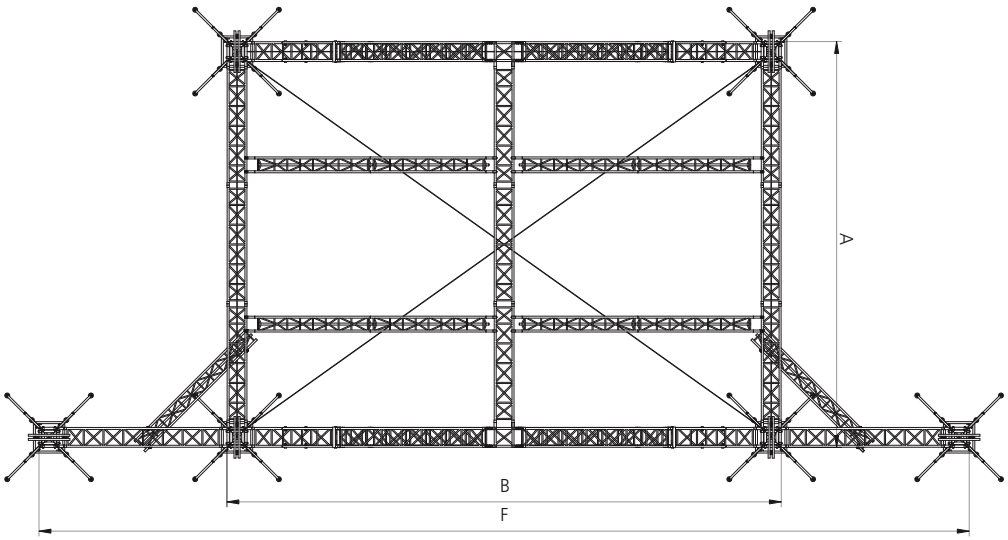


ST Medium Roofs	14x10m / 12x10m
Loading Capacity Roof UDL:	5500 kgs
Loading Capacity PA Wings CPL:	2x 1000 kgs
Total self weight app.:	~3500 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications	
Structure:	TD35 Towers and ST GS
Size:	14x10m, 12x10m
Towers:	TD35 Tower GS
Main Grid:	ST 51x51cm
Roof Structure:	ST 51x51cm
Stage:	Tower integr. in scaffolding stage
Options:	PA Wings and Canopy





For Ballast Information
look at pages 132-133

ST Medium Roof Dimensions	14x10m
A: Inside Roof:	15x10m
B: Outside Roof:	15,7x10m
C: Clearance:	10,87m
D: Tower height:	12,49m
E: Rooftop height:	13,12m
F: Outside incl. PA:	25,07m
G: PA-Wing:	4,00m

ST Medium Roof Dimensions	12x10m
A: Inside Roof:	13x10m
B: Outside Roof:	13,7x10m
C: Clearance:	10,87m
D: Tower height:	12,49m
E: Rooftop height:	12,87m
F: Outside incl. PA:	23,07m
G: PA-Wing:	4,00m

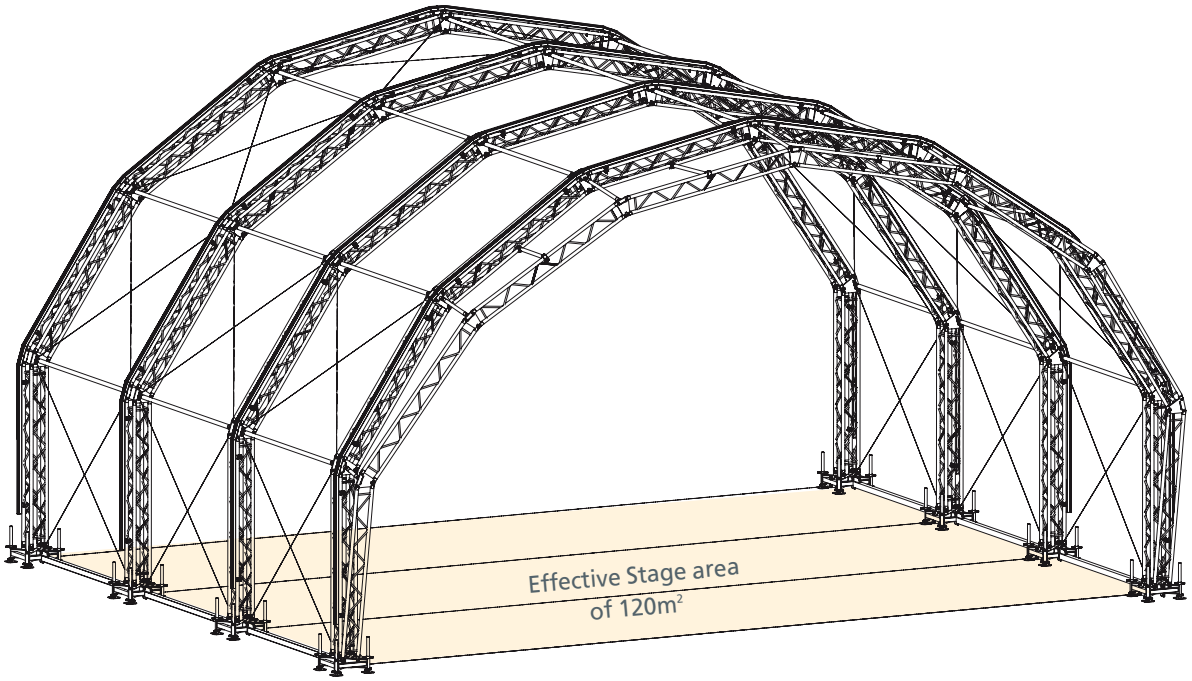
TUNNEL ROOF HD 12x10

TUNNEL ROOF HD 12X10

The Tunnel Roof is an arched roof made out of standard HD34 Lengths and standard hinge parts.
The Tunnel Roof covers a stage of 12x10m and has a clever cantilever of standard HD32 Ladder Truss.

This perfect designed Tunnel Roof has also impressive point loads which makes this Roof System an ideal combination of esthetic image and impressive load bearing capacity.

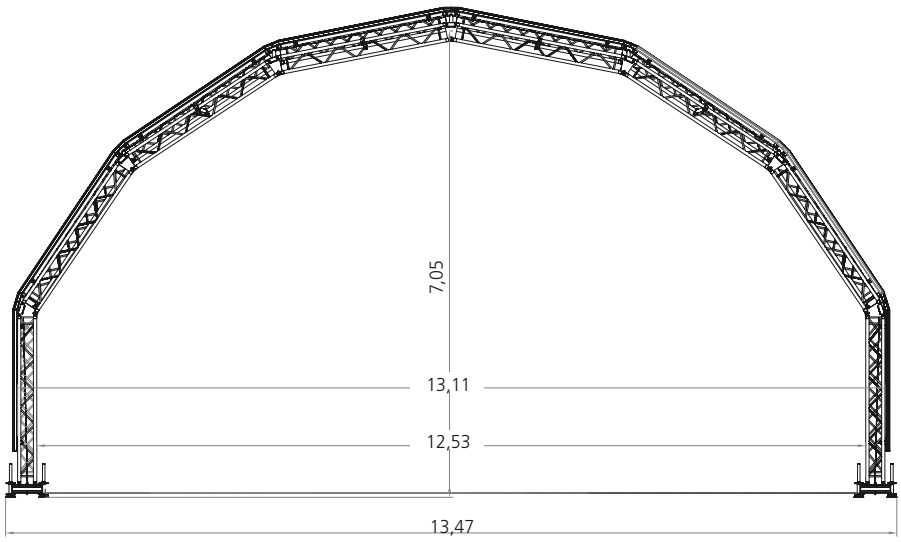
The clearance of the Tunnel Roof is 7m which allows also a secondary grid to be used.
The Tunnel Roof can also be integrated into a scaffolding stage structure.

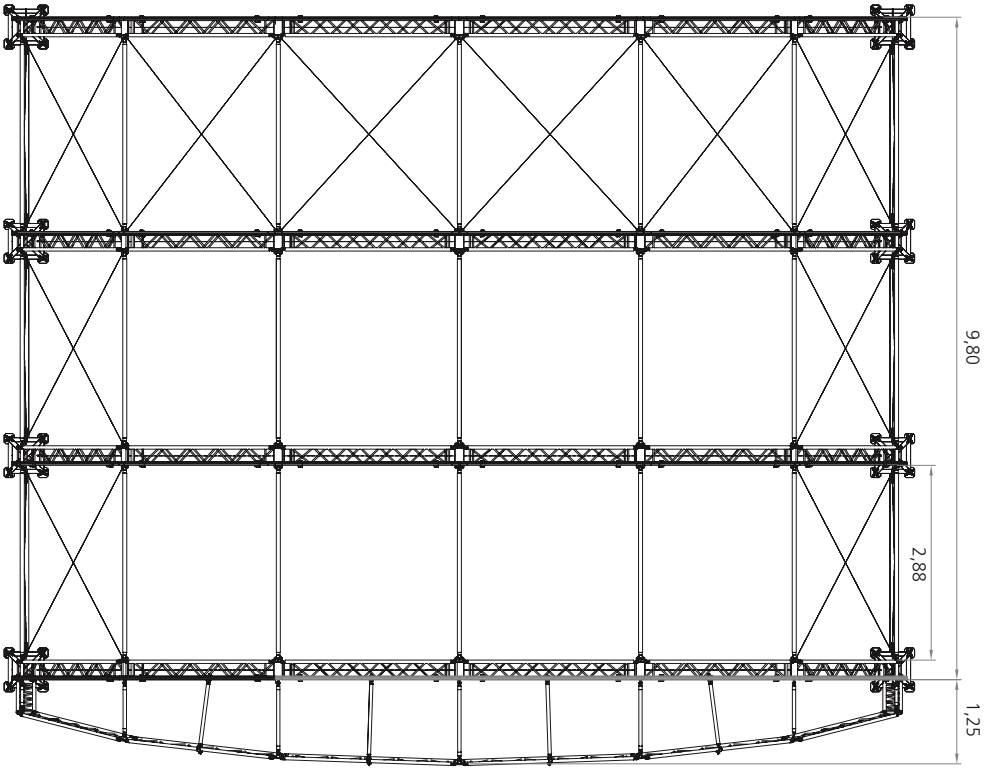


Tunnel Roof HD	12x10m
Loading Capacity Roof:	~2500 kgs
Total Self Weight app:	~750 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Technical Specifications	
Main Grid:	HD34
Cantilever:	HD32
Size:	12x10m
Canopy:	Keder Profiles

Option: This Roof can be integrated into a scaffolding stage structure by using small ballast safes





For Ballast Information
look at pages 132-133

Tunnel Roof HD

Dimensions	12x10m
Inside Roof:	12,53 x 9,8m
Outside Roof:	13,47x10,16m
Clearance:	7,05m
Rooftop height:	7,34m
Cantilever:	1,25m

Sattle Roof MD 12x10

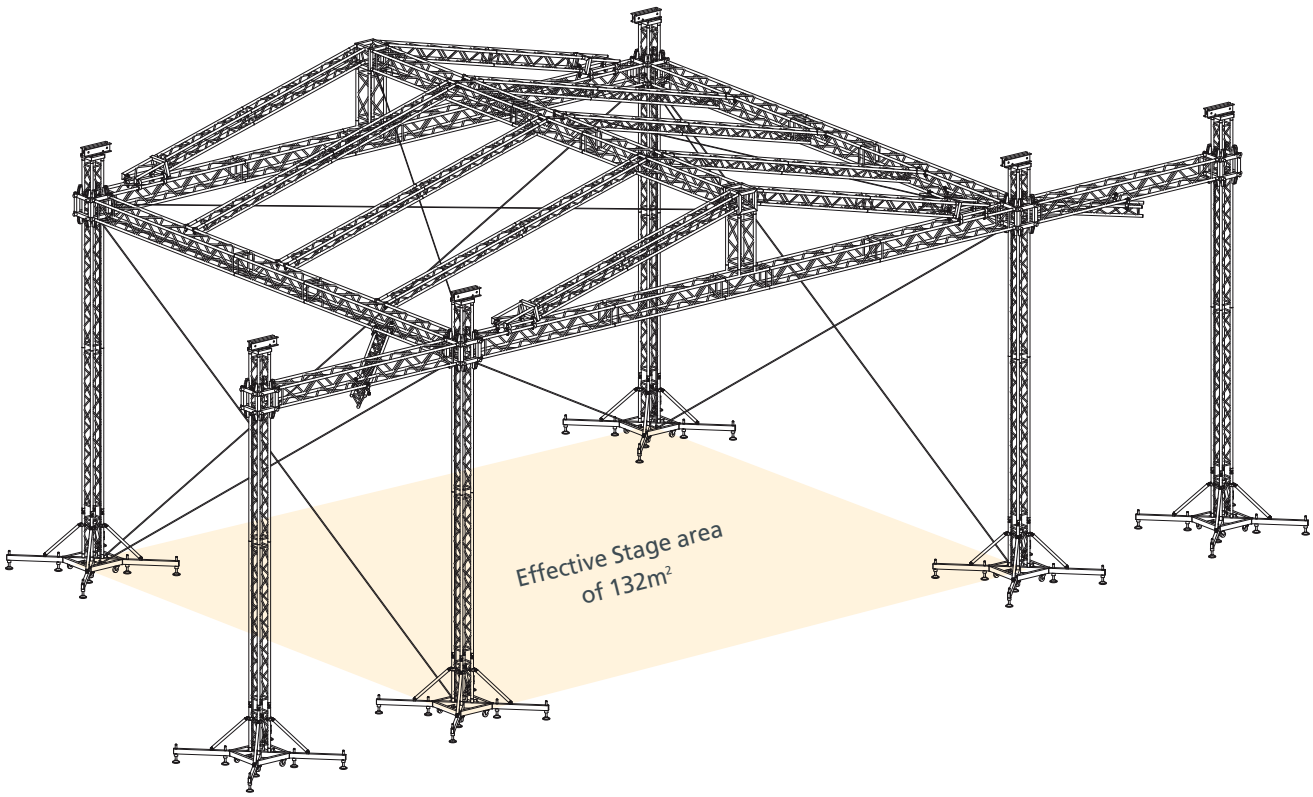
The Eurotruss medium duty Sattle Roof

SATTLE ROOF MD 12X10M

The Sattle Roof 12x10m is based on a HD34 Ground Support Tower and HD44 Main Rig.
The main roof structure is made of HD34 and the roof support gables are made of HD33.

The Sattle Roof is standard 12m wide and 10m deep.
The combination of HD34 Towers and HD44 Main Rig with a HD34/ HD33 Roof Structure ensures a relative high load bearing capacity.

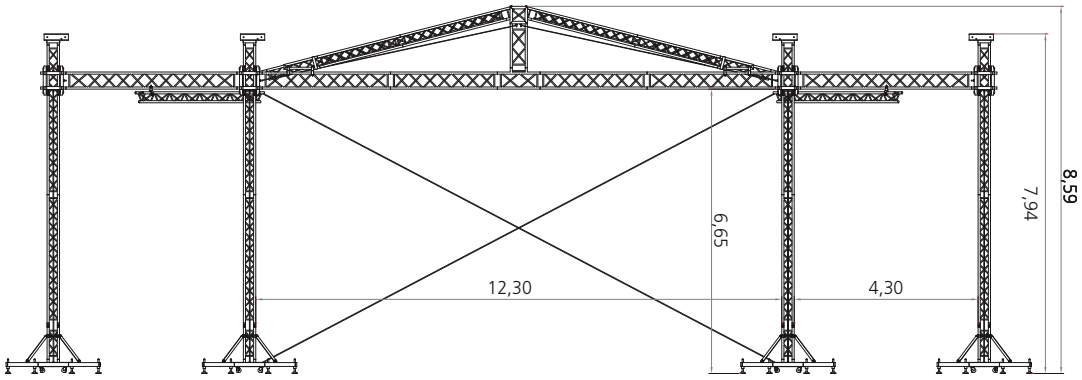
This combination guarantees a low transport an storage volume and a fair price.
The Sattle Roof can be lifted motorized or by manual hoists. The total roof includes guy wires, structural reports and manual.
* PA Wings are available

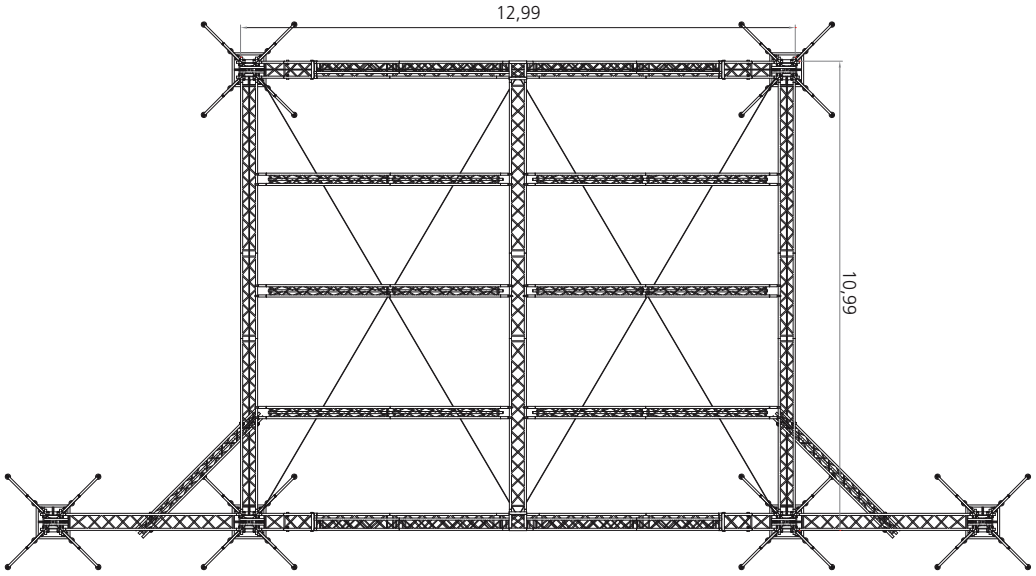


Sattle Roof MD	12x10m
Loading capacity Roof UDL:	~2000 kgs
Loading Capacity PA Wings CPL:	2x 1000 kgs
Total self weight:	~ 2.100 kgs
max. Wind Force:	10 Bft
max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications	
Structure:	HD34 Towers, HD44 GS
Size:	13m x 11 m
Towers:	HD34 Towers
Mainrig:	HD44 Truss 40cm x 40cm
Roofstructure:	HD44/HD34/FD33
Stage:	Tower integr. in scaffolding stage
Options:	PA wings and Canopy





For Ballast Information
look at pages 132-133

Sattle Roof MD	
Dimensions	**12x10m**
Inside Roof:	12,3x11m
Outside Roof:	13x11m
Clearance:	6,65m
Tower height:	7,94m
Rooftop height:	8,59m

Sattle Roof 10x8

The Eurotruss medium duty Sattle Roof

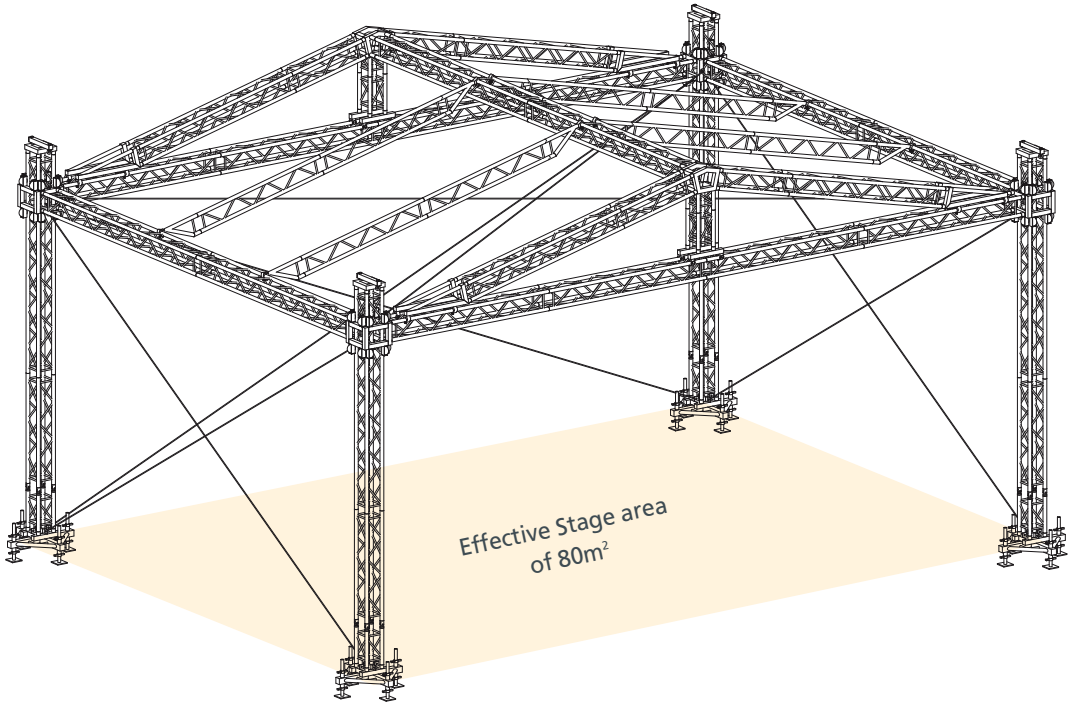
SATTLE ROOF 10X8

The Sattle Roof 10x8m is based on a standard FD34 Ground Support.
As the Ground Support and additional Roof structure is mainly built out of standard FD34 elements, only a few special roof parts are required.

The Sattle Roof is standard 10m wide and 8m deep. In some countries the regulations allow a mobile structure without a permit (Bau Buch) when the dimensions do not exceed 75m2 and 5m height.

The Eurotruss Sattle Roof 10x8m stays be need these dimensions and so no Bau Buch is required. Naturally a structural report accordingly the DIN 4112 regulations is available. The Sattle Roof can be lifted motorized or by manual hoists. The total roof includes guy wires, structural reports and manual.

* Also available in HD Serie
** PA Wings are availabe

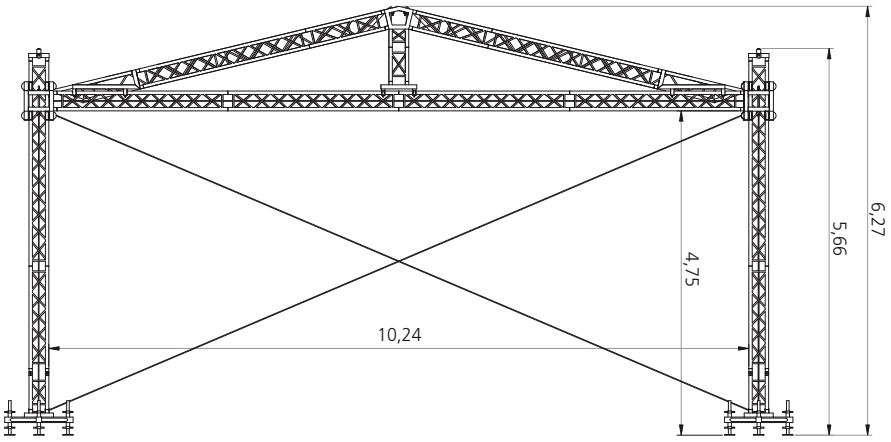


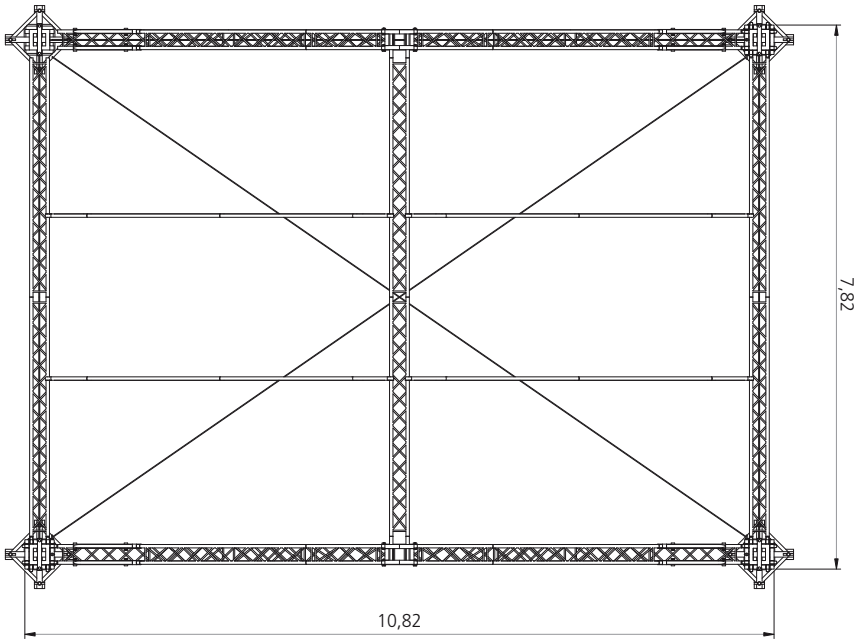
Sattle Roof	10x8m
Loading Capacity Roof UDL:	~1500 kgs
Loading Capacity PA Wings CPL:	2x 750 kgs
Total self weight app.:	~980 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications	
Structure:	FD34 Towers and FD34
Groundsupport Size:	10x8m
Towers:	FD34 Tower GS
Main Grid:	FD34 29x29cm
Roof Structure:	FD34 29x29cm
Options:	PA Wings and Canopy

**also available in HD34*





For Ballast Information
look at pages 132-133

Sattle Roof Dimensions	10x8m
Inside Roof:	10,2x7,8m
Outside Roof:	10,8x7,8m
Clearance:	4,75m
Tower height:	5,66m
Rooftop height:	6,27m

Down Hill Roof HD/FD 8x6

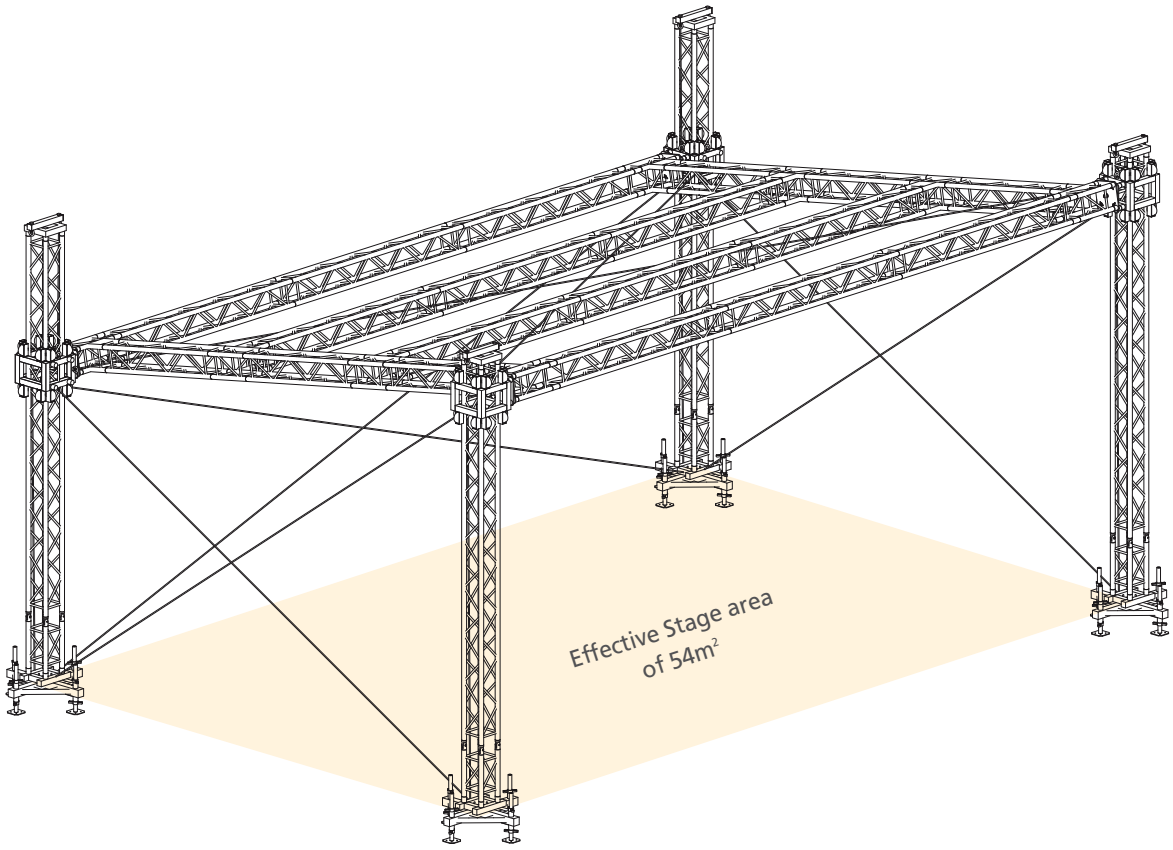
The Eurotruss medium duty Down Hill Roof

DOWN HILL ROOF HD/FD

The Down Hill Roof HD/FD 8x6m consist of a standard FD34 Ground Support.
The FD34 Ground Support is able to hinge 5 dgr or 10 dgr by using angle plates which you connect at the standard FD34 Sleeve Blocks.

The Down Hill Roof is standard 8m wide and 6m deep. Between the cross trusses standard hook on bars are required for extra stability and to support the canopy. Structural report accordingly the DIN 4112 regulations is available.

This roof consist of standard FD34 Tower, Lengths and T-joints and by purchasing four angle plate connectors you create your own down hill roof. At your choise the slope can be fixed on 5 dgr or 10 dgr.
* Also available in HD Serie
* PA Wings are available

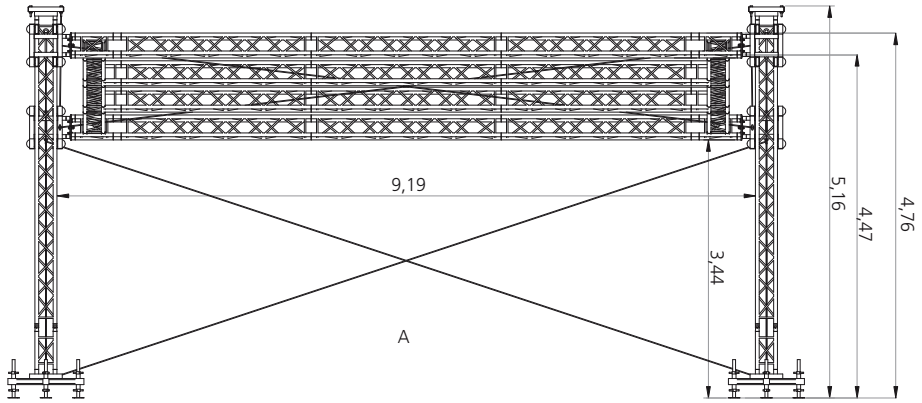


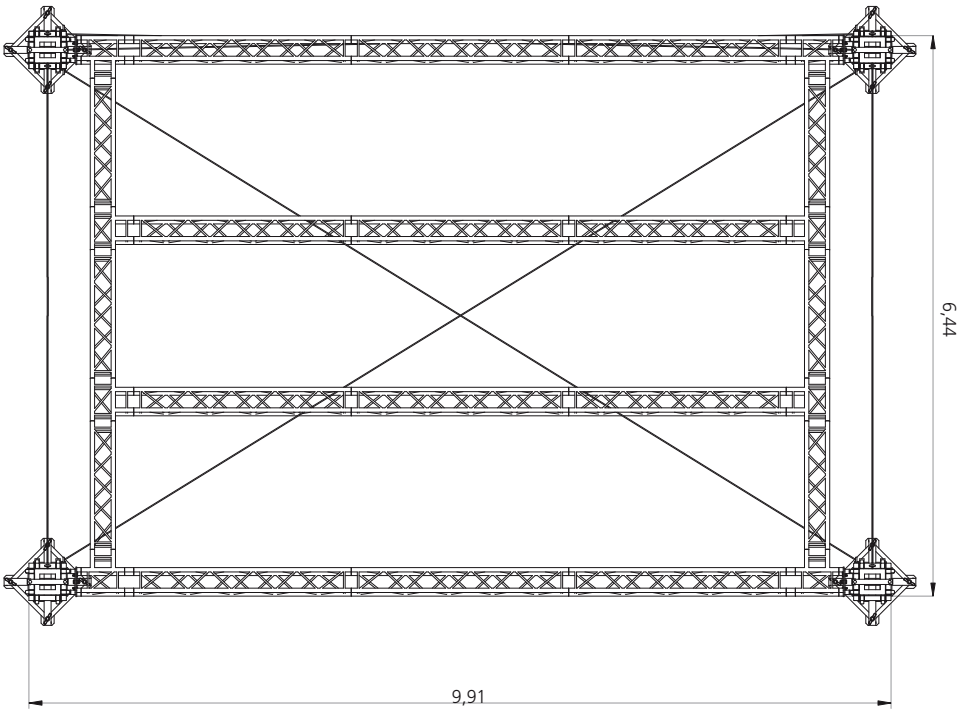
Down Hill Roof HD/FD	8x6m
Loading Capacity Roof UDL:	600 kgs
Loading Capacity PA Wings CPL:	2x 750 kgs
Total self weight app.:	870 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications	
Structure:	FD34 Towers and FD34 GS
Size:	8x6m
Towers:	FD34 Tower GS
Main Grid:	FD34 29x29cm
Roof Structure:	FD34 29x29cm
Options:	PA Wings and Canopy

**also available in HD34*





For Ballast Information
look at pages 132-133

Down Hill Roof HD/FD	
Dimensions	**8x6m**
Inside Roof:	9,2x6,4m
Outside Roof:	9,9x6,4m
Clearance:	4,5 / 3,4m
Tower height:	5,16m
Rooftop height:	4,76m

Beetle Roof HD/FD 8x6 | 8x4

The Eurotruss medium duty Beetle-Roofs

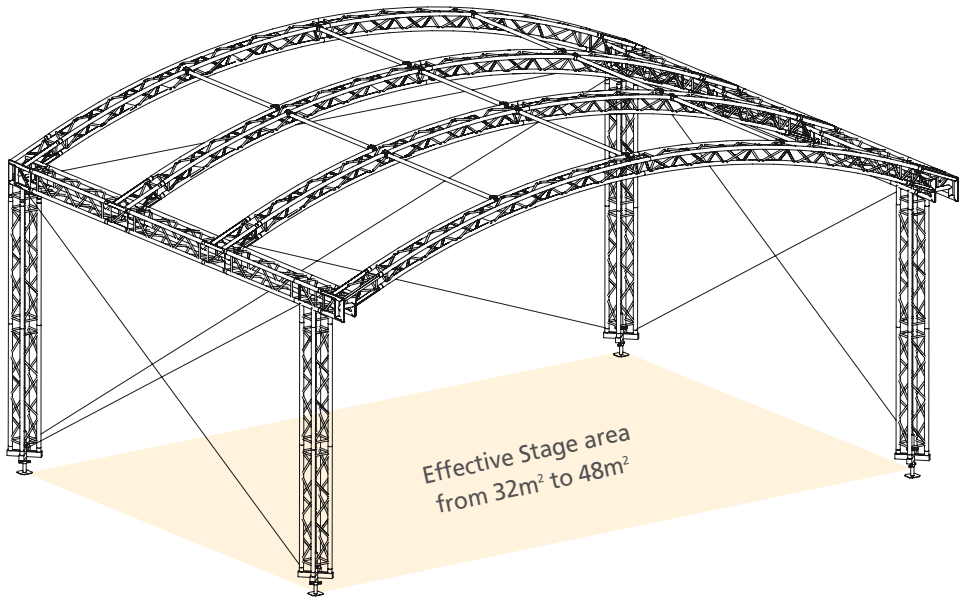
BEETLE ROOF HD/FD

The Beetle Roof HD/FD 8x6m and 8x4m consist of FD33 triangular arches in the roof which fit to the main rig of FD34 square truss by using a few special corners.
The legs are standard FD34 square truss mounted on special adjustable base plates.

Beetle Roofs are standard 8m wide and available in two different depth, 4m and 6m.

Between the arches standard hook on bars are required for extra stability and to support the canopy. Structural report according the DIN 4112 regulations is available.
The Beetle Roof is on many occassions the perfect solution by its low self weight, minimum volume, fast set-up and nice appearance.

* Also available in HD Serie

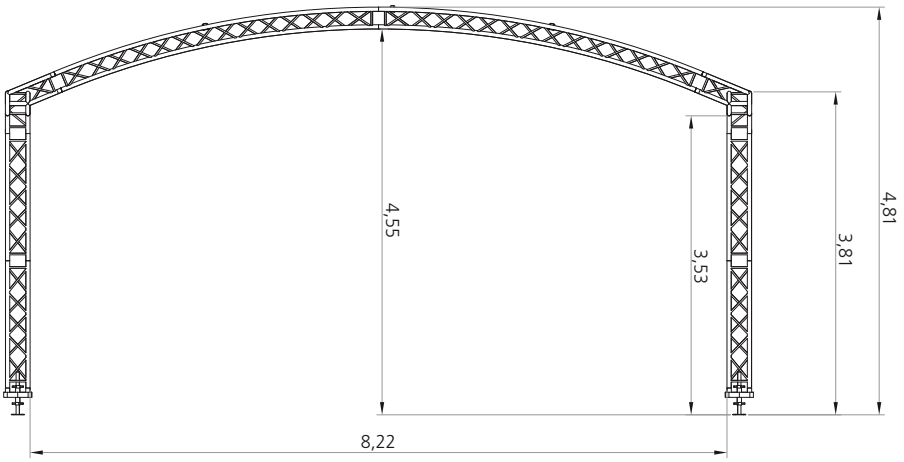


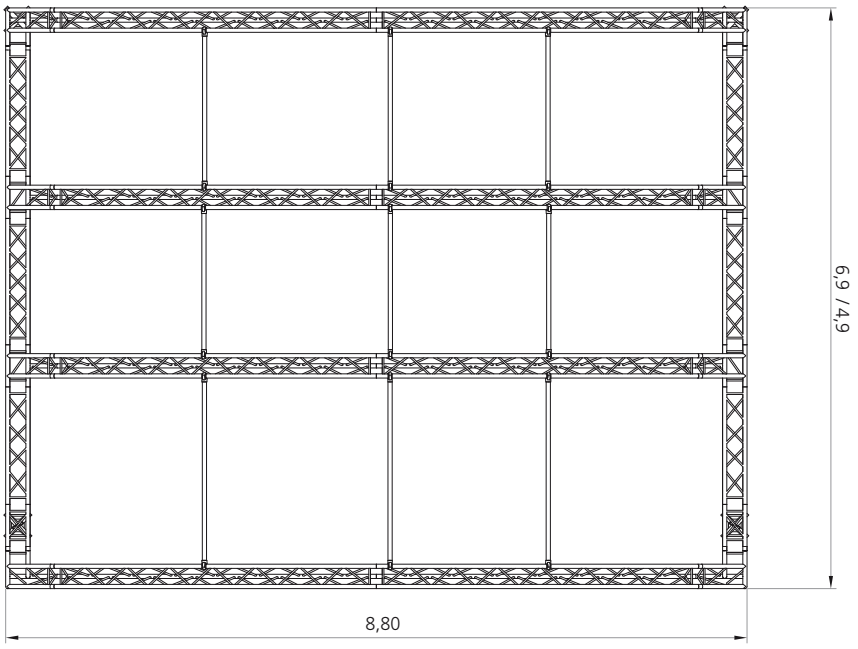
Beetle Roofs HD/FD	8x6m / 8x4m
Loading Capacity Roof UDL:	~500 kgs
Total self weight app.:	550 kgs
Max. Wind Force:	10 Bft
Max. Wind Speed:	100 km/hrs

Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs

Technical Specifications	
Structure:	FD34 Truss and FD33 Arches
Size:	8x6m / 8x4m
Legs:	FD34 29x29cm
Main Grid:	FD34 29x29cm
Roof Structure:	FD33 Arches
Options:	PA Wings and Canopy

**also available in HD34 / HD33*





For Ballast Information
look at pages 132-133

Beetle Roof HD/FD Dimensions 8x6m	
Inside Roof:	8,2x 6,9m
Outside Roof:	8,8x 6,9m
Clearance:	4,55m
Tower height:	3,81m
Rooftop height:	4,81m

Beetle Roof HD/FD Dimensions	8x4m
Inside Roof:	8,2x 4,9m
Outside Roof:	8,8x 4,9m
Clearance:	4,55m
Tower height:	3,81m
Rooftop height:	4,81m

Stage Equipment

Scaffolding Stage System
Ballast Safe
Stage Decks
Foldable Ballast Tanks
Stage Hoists
Modular Barriers
Ballast Solutions
Front of House
Tribune Systems

Overview Stage Equipment

All under one roof!

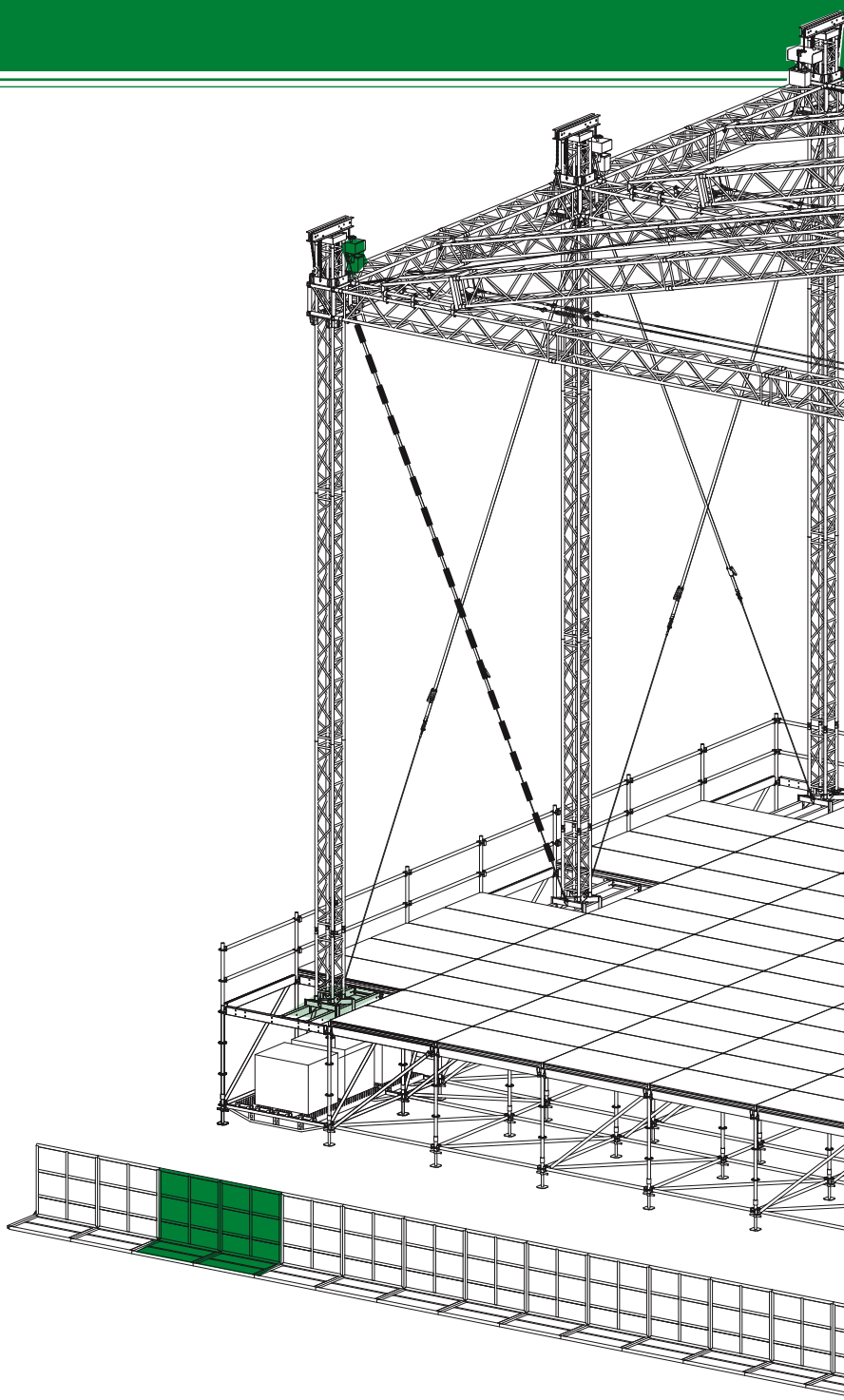
STAGE EQUIPMENT

Eurotruss is a specialist and total supplier of stage technology for your events. We will be more than pleased to accept the challenge and responsibility of accompanying all stage related products and designs beyond the point of sale to ensure a successful use and implementation.

Central to our organisations' philosophy is providing maximum support in the area of training and high quality service. Only through the continuous exchange of ideas and experience with both customers and partners Eurotruss can provide detailed and well-informed solutions to the complexity in modern stage technology.

In addition, Eurotruss offers product and servicing literature as well as online support. Our technical department is at your disposal to assist with the design and planning of elaborate structures and stage sets. Providing support at the planning stage, this technology allows the detailed display of designs and structures in three-dimensions.

Besides that structural reports and static calculations can be supplied in cooperation with our engineering partners.



Steel scaffolding stage

A modular designed stage system build on a standard steel scaffolding system.
The perfect system to get a level stage floor to set up a roof system.

Ballast-Safe

A modular base section to integrate aluminium roof systems with scaffolding stages.

- Reducing required ballast
- Increased roof clearance (height)
- Set up on a flat platform

Stage Decks

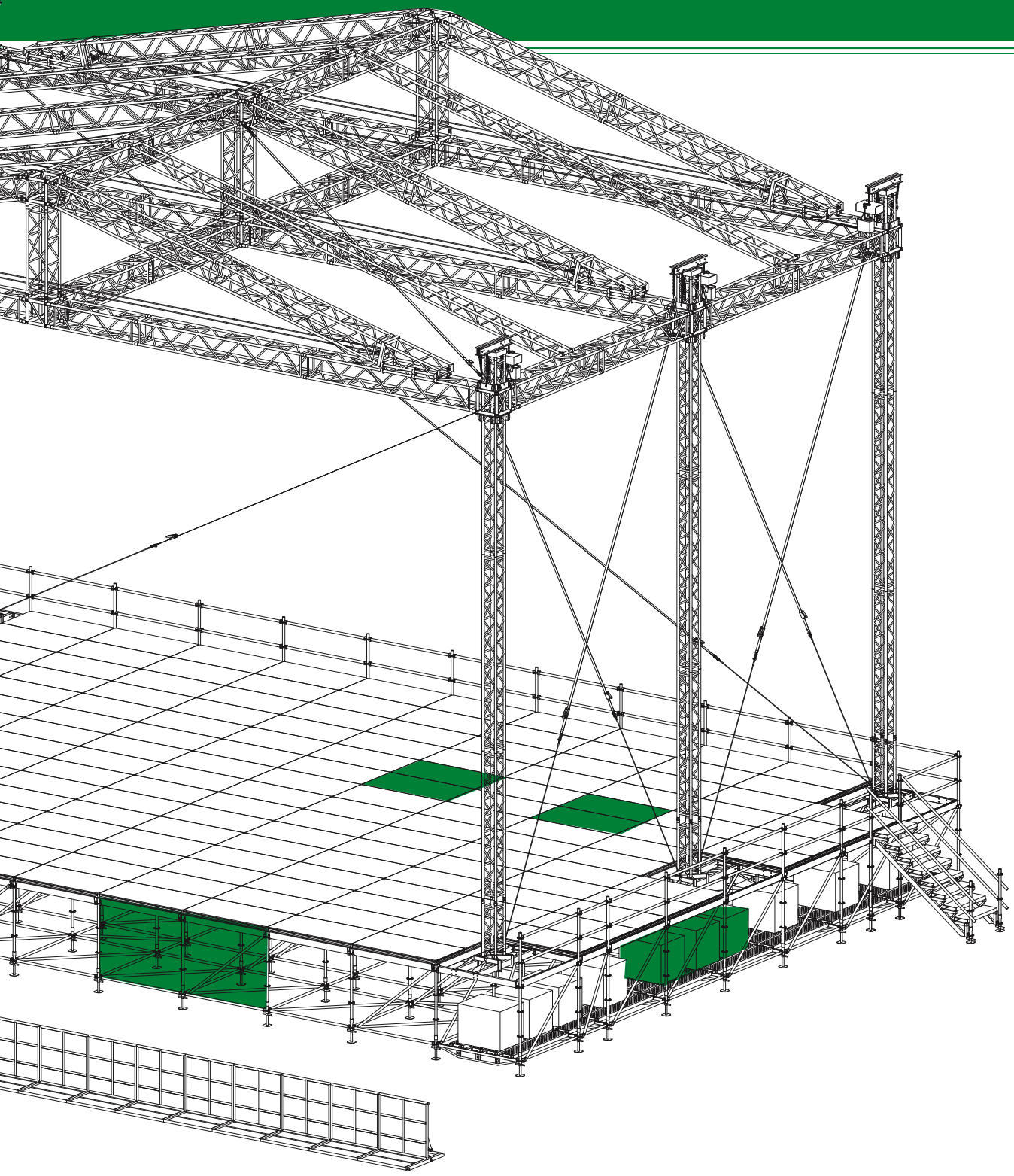
A modular designed stage deck system build on standard scaffolding structure or build on standard legs. The surface is an anti-skid dark brown plywood panel.

The famous »Click Clack« locking device allows easy set up and reduction of required legs and no clamps and levellers required. Railings and Stairways are available.

Foldable Ballast Tanks

The foldable ballast tanks are the perfect ballast solution which is easy to stack with a minimum of self weight and volume.

- 1 Ton Ballast for single and 2 Tons Ballast for double stack Ballast Tanks
- Limited trucking and storage space (5 Foldable Ballast Tanks = 1 pallet)



Stage Hoists

A wide variety of electric and manual chain hoists are available.
The electrical hoists include a full range of controllers and accessories for a successfull venue.

Barriers

The modular aluminium or steel barrier for safe crowd control. Easy handling, high quality, rigid and well designed. Including corner elements, doors and cable gates.

Ballast Solutions

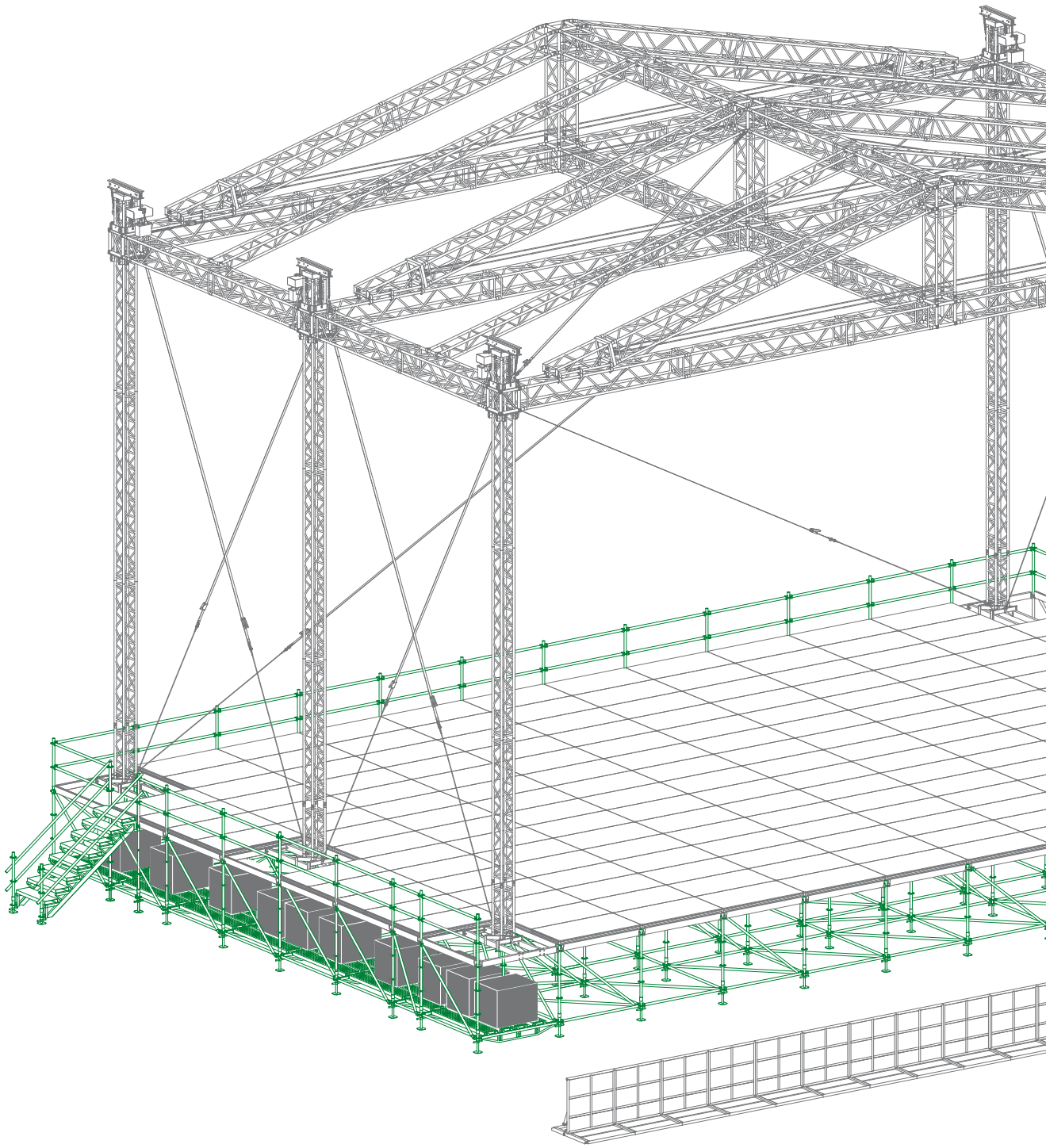
Next to the standard Bases and Ballast Safe Eurotruss also offers the Ballast Base which is a steel base on solid wheels and no outriggers or bars required.
The base is designed to carry on either sides next to the tower the ballast (possible on euro pallets) or ballast tanks.

Ballast Compression Beams are handy to reduce the total required ballast per tower. Between the towers on the sides a steel compression beam is available and between the back towers a square truss is to be used as compression beam.

Front of House / Tribune Systems

In many outdoor events a F.O.H. and Tribunes are necessary. By using the same scaffolding structure as the stage with some additional parts you can easily build a safe and approved F.O.H. and Tribunes. Many sizes and options are available.

Scaffolding Stage System

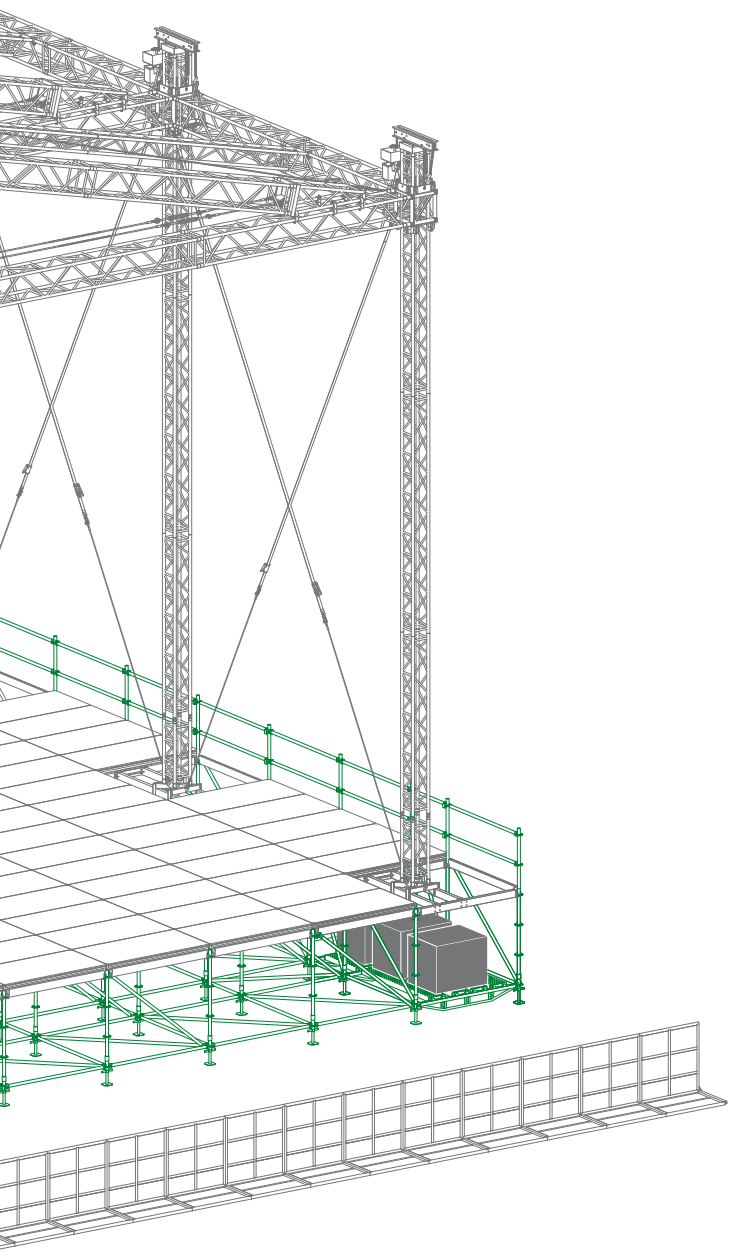


How it works:

A few basic components – standard, ledger, diagonal brace, deck – form the basic for almost unlimited uses.

Up to 8 connections can be made on one level – rosettes spaced very 0,5m – to create the structurally ideal joint.

Four narrow openings in the rosette automatically centre the ledgers at right angles and create superior force transmittance.



Steel Scaffolding Stage

STAGE STRUCTURES

The Eurotruss Steel Scaffolding Stage Structures start from a basic unit, each podium grows by the system dimensions (2x2m standard or 2,07x2,07m and 2,07 x2,57m) to the required size. Side guard rails (hand railing) and stairways available and easy to be build.

The steel scaffoldings' advantages in general:

Basic Unit:
Can be extended as required with various choices of layouts and levels.

Substructure:
High Load Bearing Capacity, rapid installation and dismantling, pallet packed.

Practically-minded design:
Strong connector technology, ergonomic handling, low-wear aluminium parts, corrosion-proof thanks to hot-dip galvanization, space-saving storage.

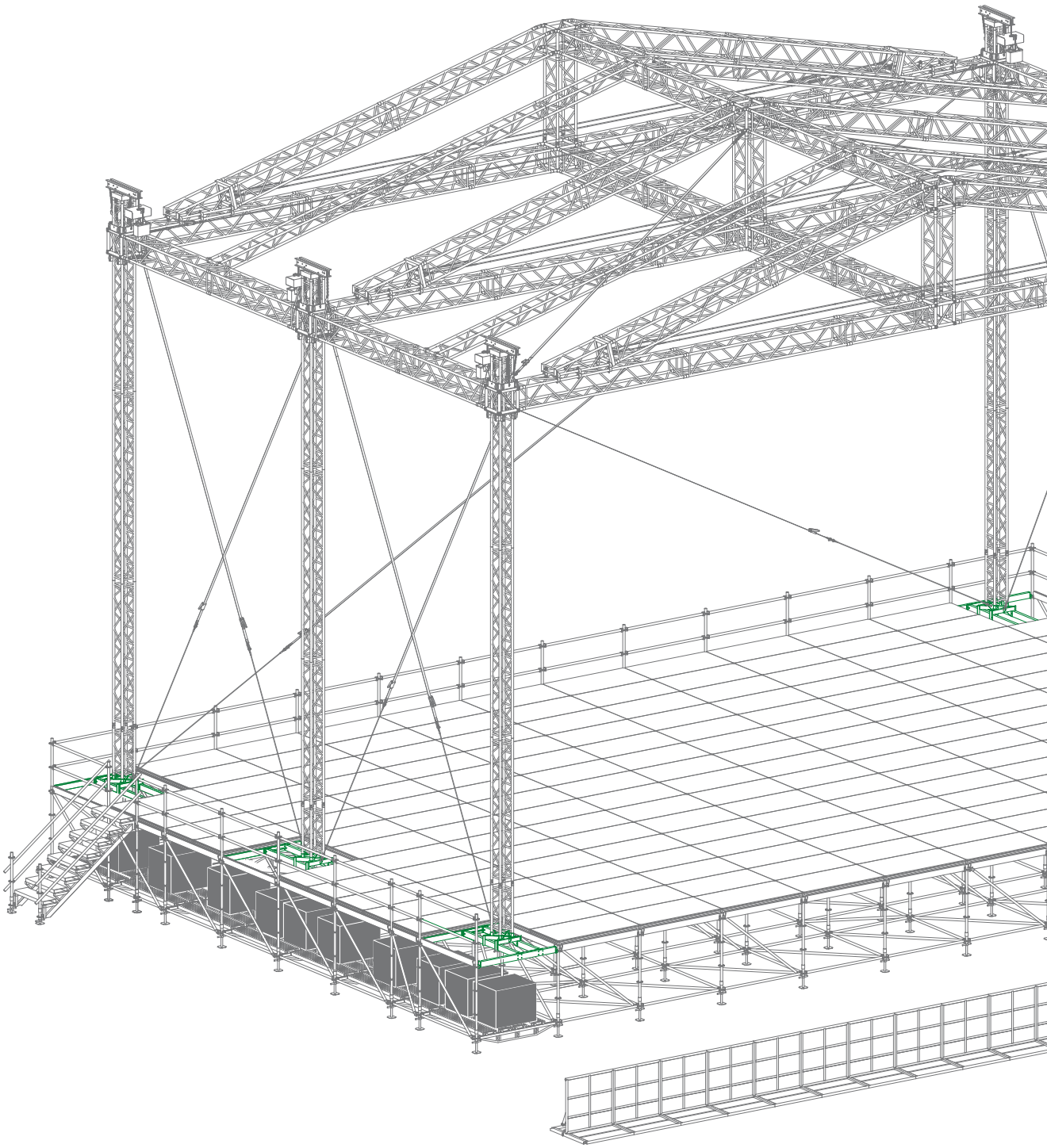
The unique and highly flexible technology, proven in scaffolding construction, forms the basic for high-strength connections and supporting structures as Roof Systems.

Due to its strength a steel scaffolding stage is capable of integrate the towers of the Roof System (using a Ballast Safe) and than the complete stage counts as ballast which reduces the need for additional ballast.

Key issues about steel scaffolding stages:

- Easy and safe set up, high load bearing capacity stage with guarantee of flat surface
- The stage can adapt roof structure weight and is a counter weight which reduces additional ballast
- Provide possibility to use standard stage decks and integrated Ballast Safes.
- Unlimited uses in heights, layouts, stairways and guard railing

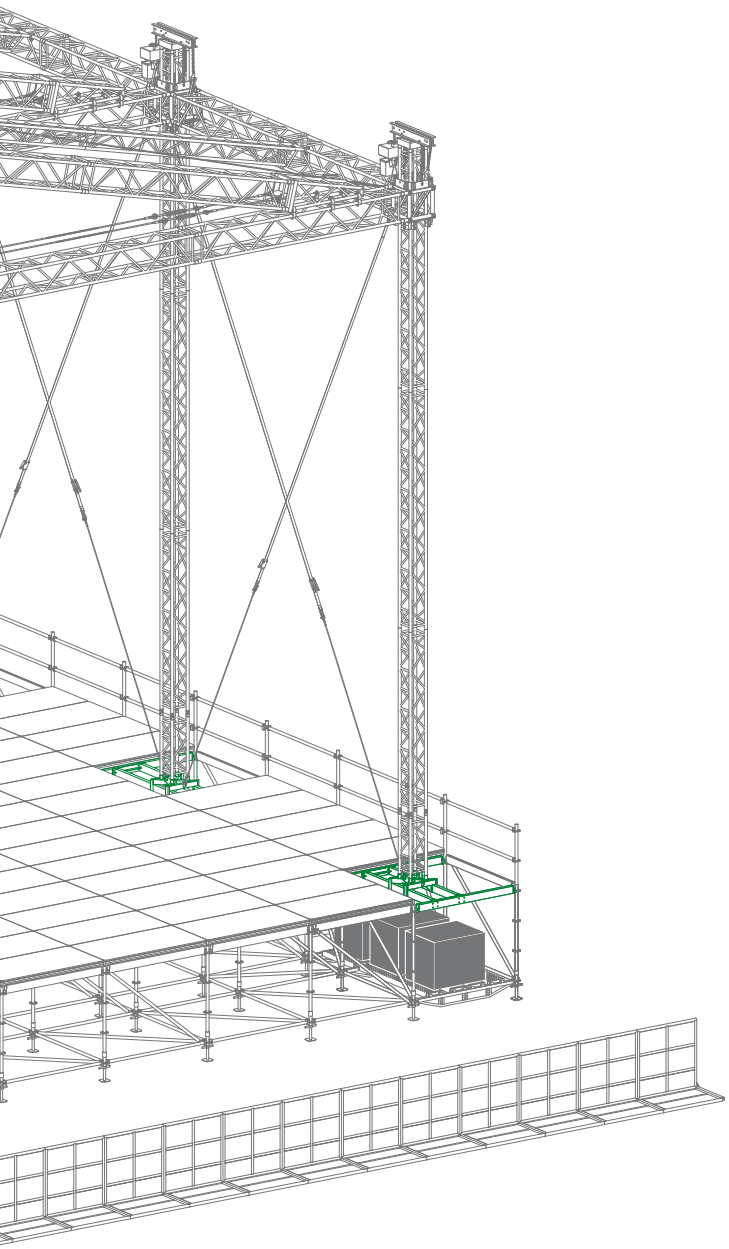
Ballast Safe



Eurotruss Ballast Safe:

The Ballast Safe is an original Eurotruss concept and product which has proven itself during large in- and outdoor events, especially on Tours with Roof Systems and Steel Scaffolding Stage Structure.

- Cost effective solution as no standard bases are required
- Easy and safe set up on flat stage
- Stage can be build before Roof Set Up
- Total height of Roof System can be enlarged.
- Reducing Ballast, Perfect Position of guy wiring



Integrated Base in Stage

BALLAST-SAFE

Ballast-Safe is an innovative and clever solution to connect the roof construction to a steel scaffolding stage structure.

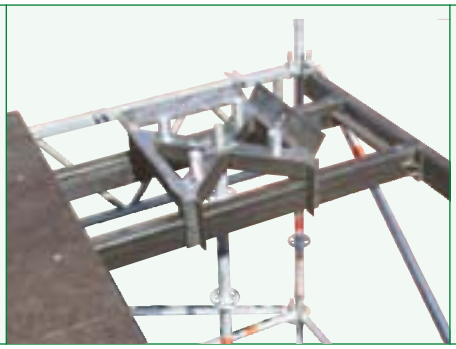
The Ballast-Safe consist of a Base, a Bridge and two Support Beams. The Ballast-Safe gives the benefit of reducing the total required ballast by taking the self weight of the stage structure.

The stage construction must be a Steel Scaffolding Structure capable of taking horizontal and vertical loads. The Eurotruss Ballast-Safe is suitable to be integrated into a scaffolding structure.

The support beams of the Ballast-Safe are equipped with steel wedge heads.

A Ballast-Safe integrated in a roof/ stage structure has the following advantages:

- Use the self weight of the stage construction to reduce the total required ballast.
- In a scaffolding stage structure, a levelled platform exists to build on the roof system.
- There is more »clearance« (distance between ground and main rig).
- More »free access space« between the cross wiring (sides and back wall) when the Ballast-Safe is placed in the upper area.



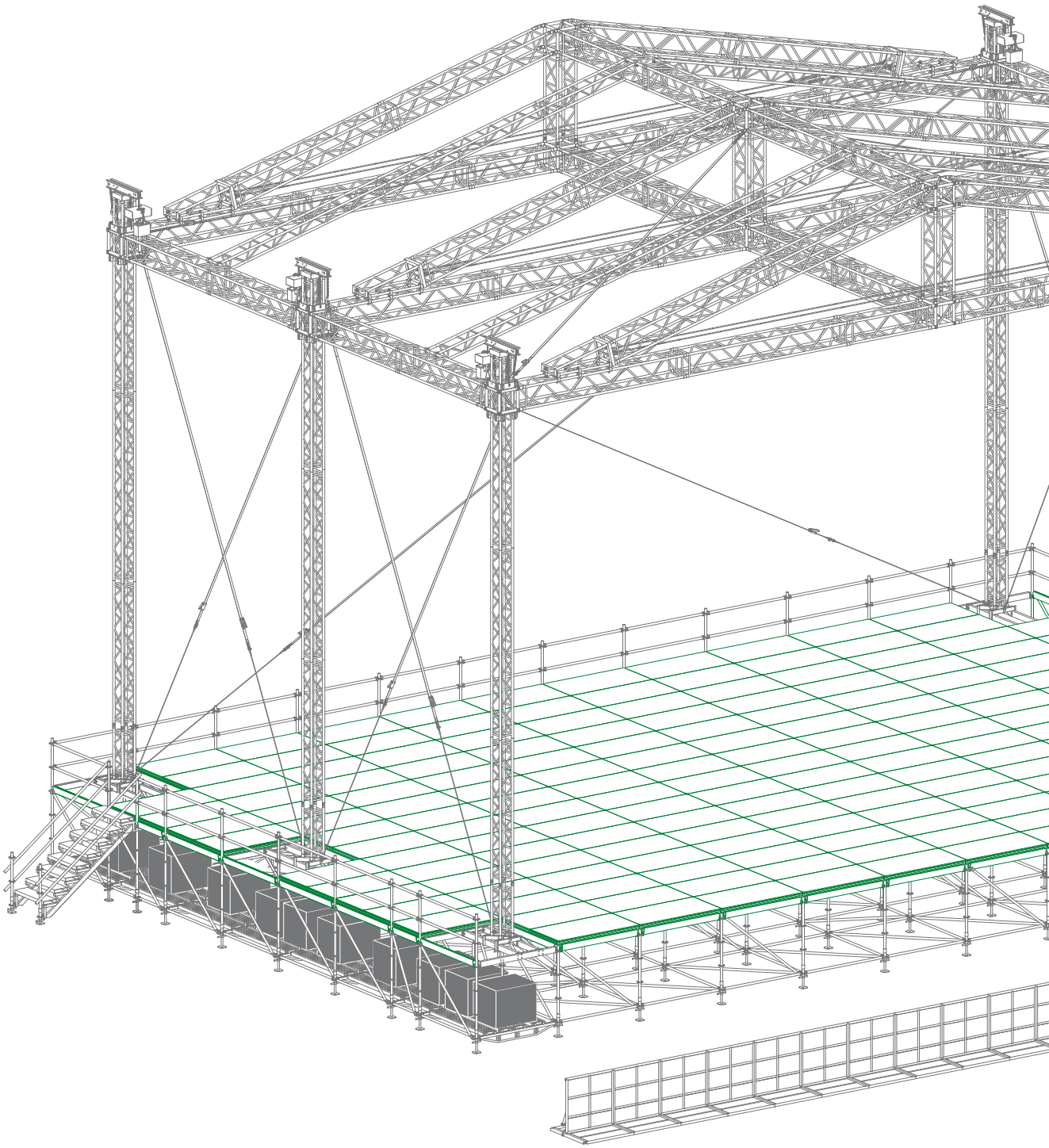
How it works:

The Ballast-Safe will be integrated in a steel scaffolding stage construction by replacing two of the standard horizontal ledgers by two Support Beams.

Between the two support beams a Bridge is placed on which the Base can be mounted.

All the parts of the Ballast-Safe must be bolted together. On the Base the female receivers must be mounted to attach the tower.

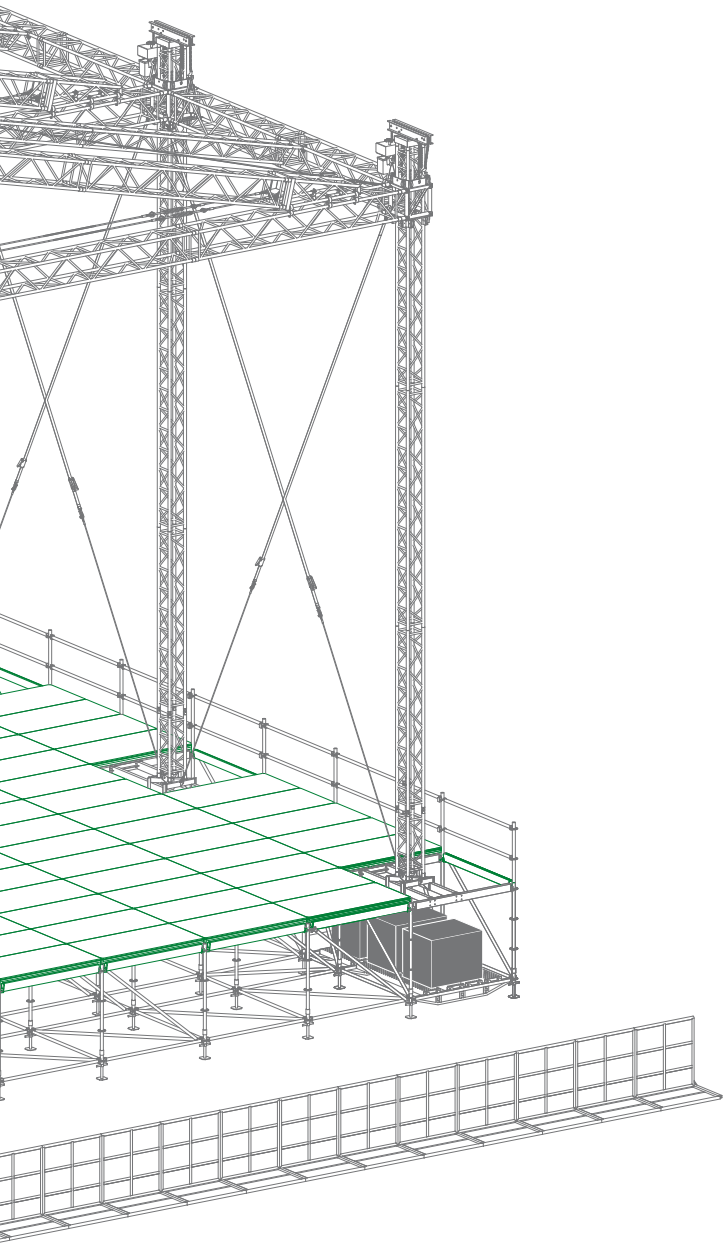
Stage Decks



Eurotruss Stage Decks:

Standard Eurotruss carries the 2x1m Stage Decks matching the stage layout size 2x2m.

For any other sizes steel scaffolding stage structures Eurotruss carries special sized and designed decks on request.



In- and Outdoor Platforms

STAGE DECKS

The system platform is a hybrid structure consisting of an aluminium frame and a multiplex plywood panel. The aluminium frame is made of specially designed profiles equipped with an integral click-clack-locking device.

Each platform base is equipped with four corner leg supports for round tubes 48,3mm x 4mm. By moving the clamping-lever the legs lock easily. Various legs are available.

The groove and tongue profiles guarantee that the platforms can be easily hooked together. The integral click-clack mechanism allows the locking of the elements. This leads to a strong and safe bond of the whole stage surface. As a result less legs are required, and a reduction of material weight, storing space and manpower is achieved.

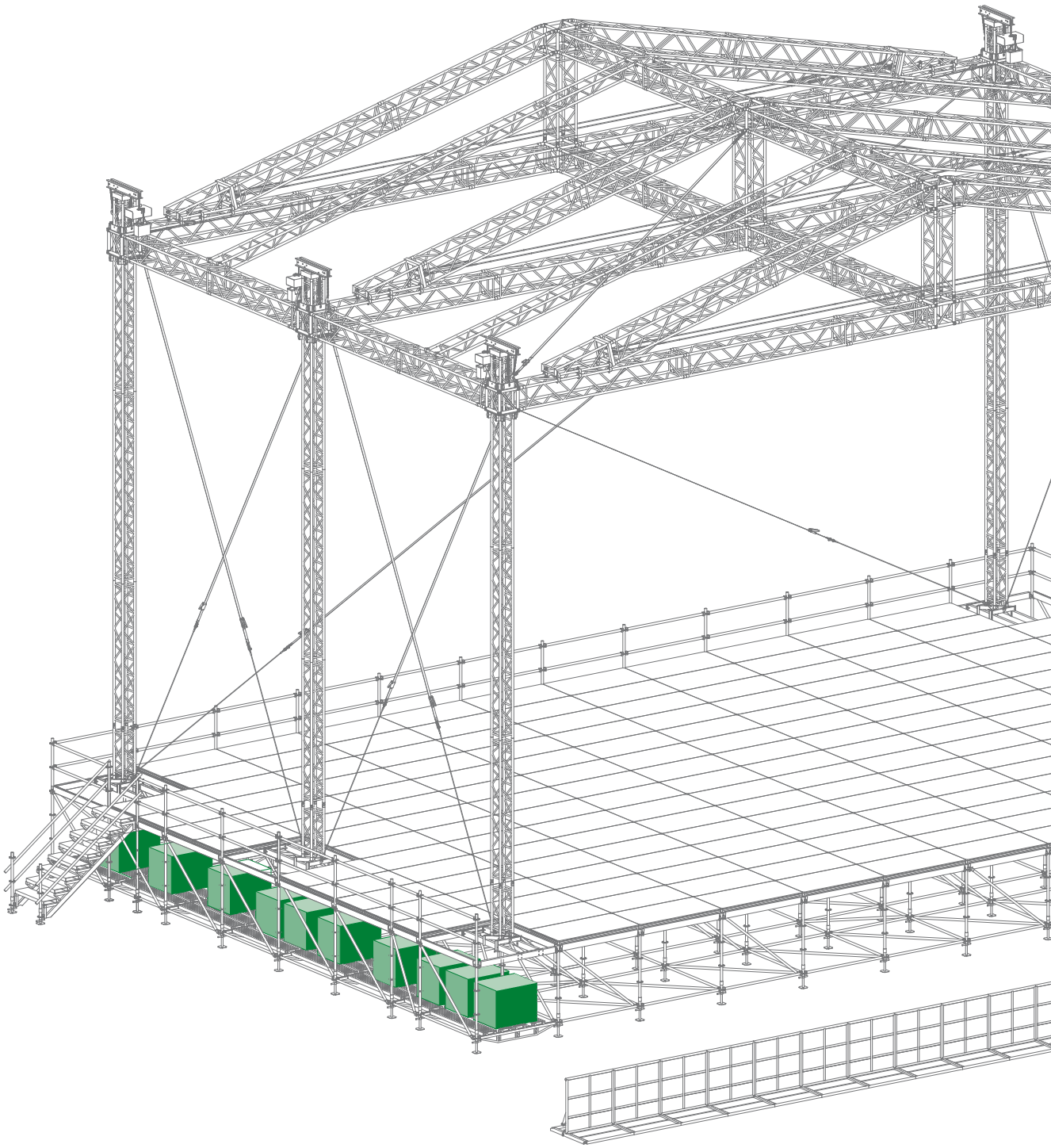
The system platform consist of an aluminium frame plus anti-skid multiplex plywood panel in dark brown. The load capacity is 750kg/m², platform: H= 9cm.

The weight girders offers a solution for high stages up to 3m. The aluminium weight girder with a wedge head made of steel includes a safety flap. Available sizes: 1m and 2m.

Eurotruss Stage Decks:

- The Stage Decks are standard 2x1m platforms.
- The Stage Decks can be used with inserted legs or integrate in steel scaffolding stage
- Using these Decks on Steel Scaffolding Stage the layout size is 2x2m
- The Stage Decks have in both cases a 750 kg/m² load bearing capacity
- The Stage Decks with inserted legs also carry a wide program of stairs, railing etc.
- The Stage Decks are TuV Approved.

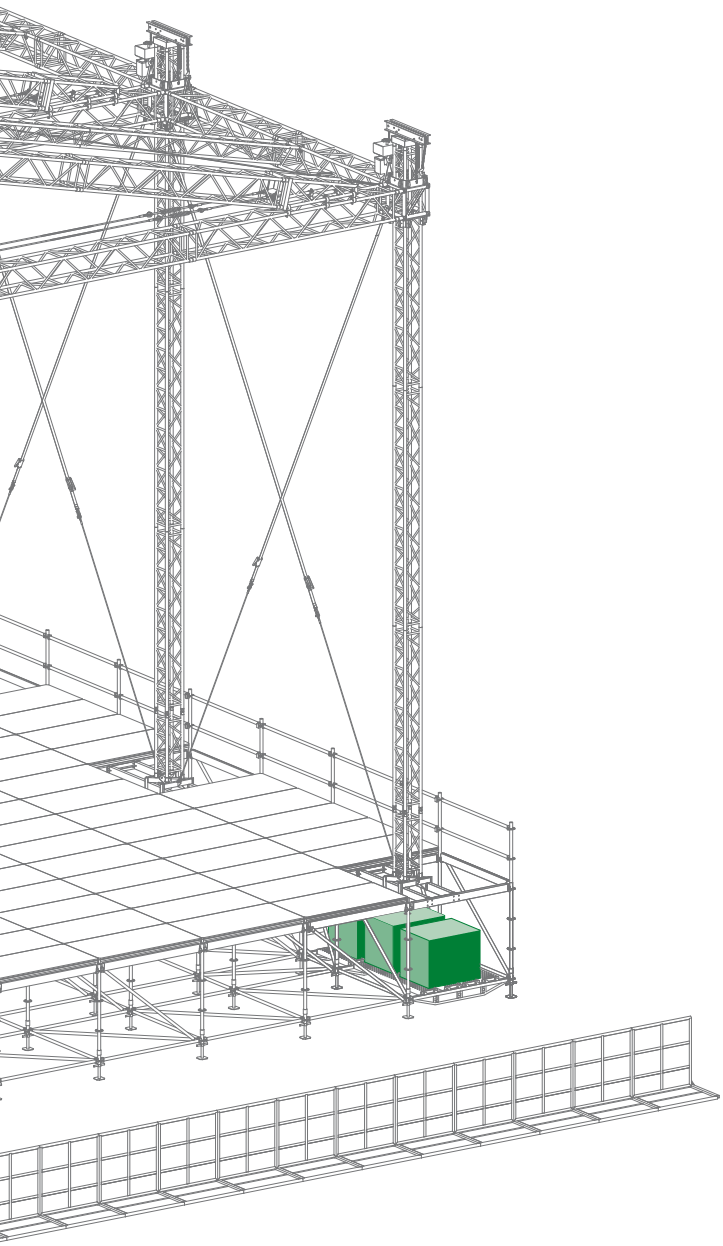
Foldable Ballast Tanks



Eurotruss Foldable Ballast Tanks:

The Ballast Profi© has many advantages due to its foldable design, low self weight, minimum of trucking space. The Ballast Profi© is patented. Standard a single Ballast Profi can take 1000 ltr water which is equivalent to 1 Ton in kg.

By purchasing a stacking kit you can put a second Ballast Profi on top of the other one and you create a double stacked Ballast Profi which is equivalent to 2 Tons in kg Ballast.



The Volume Wonder

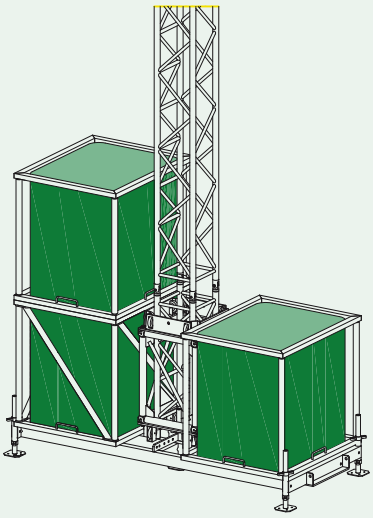
BALLAST PROFI

Temporarily covered stages like roof systems and tent structures tend to require massive ballast even if the scaffolding stage is integrated.

Standard trussing manufacturers do not always recognize the big impact of massive ballast requirements. Watertanks, concrete blocks etc take huge storage and trucking space as well as renting is not always possible and can be expensive.

Eurotruss offers a solution using light, foldable Ballast Tanks as ballast which can be easily stacked with a minimum of self weight and volume.

Your Solution: Ballast Profi

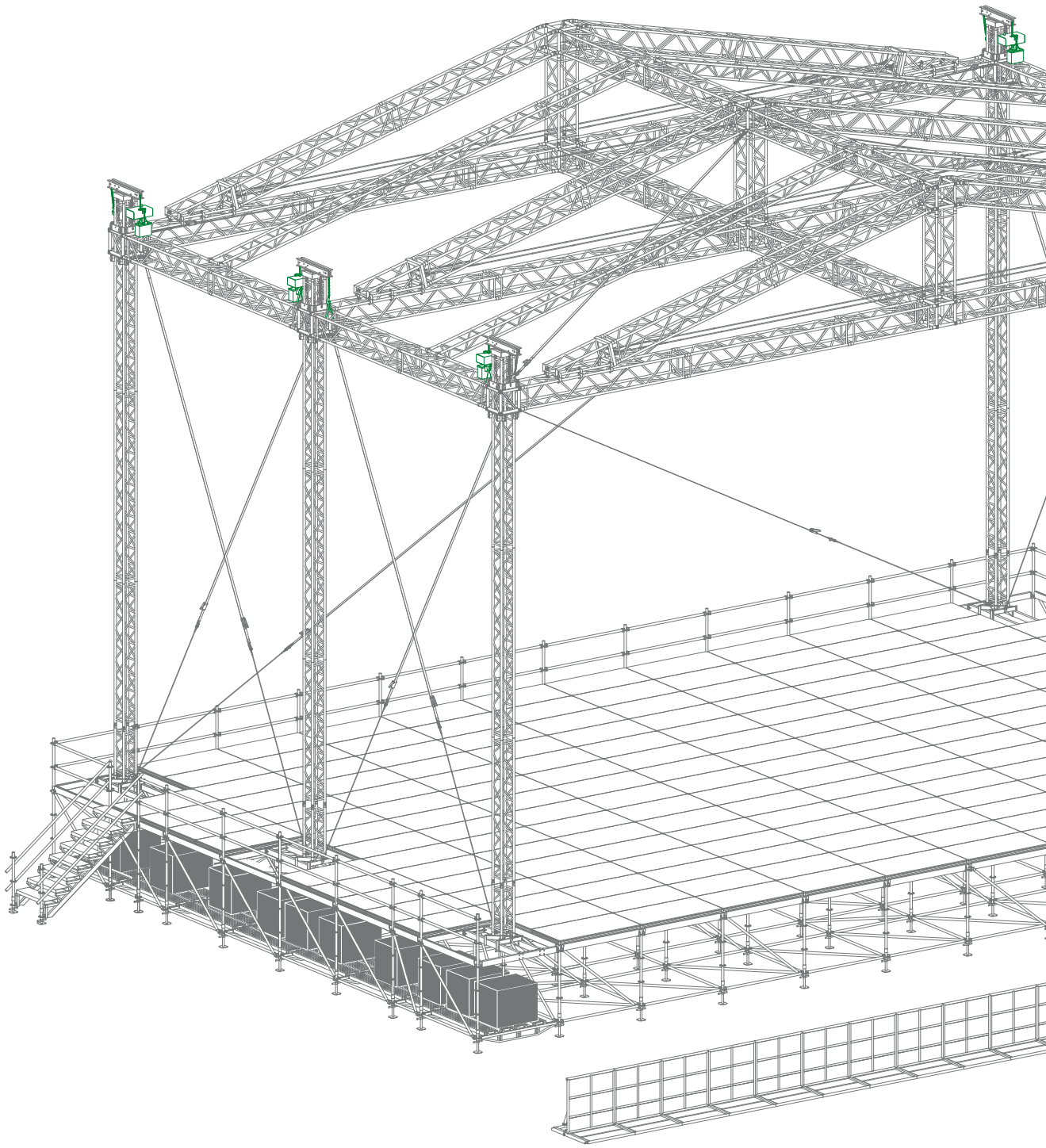


Technical Data Ballast Profi:

Ballast Weight: 1000kg or 2000 kg

Set Up Time:	4 Minutes	
Dimensions:	120x100x25cm (folded)	
Dimensions:	120x100x108cm (ballast)	
Code:	RT-BP1	Single Ballast Profi 1 Ton
	RT-BP2	Stacked Ballast Profi Ton
	RT-STK	Stacking Kit

Stage Hoists

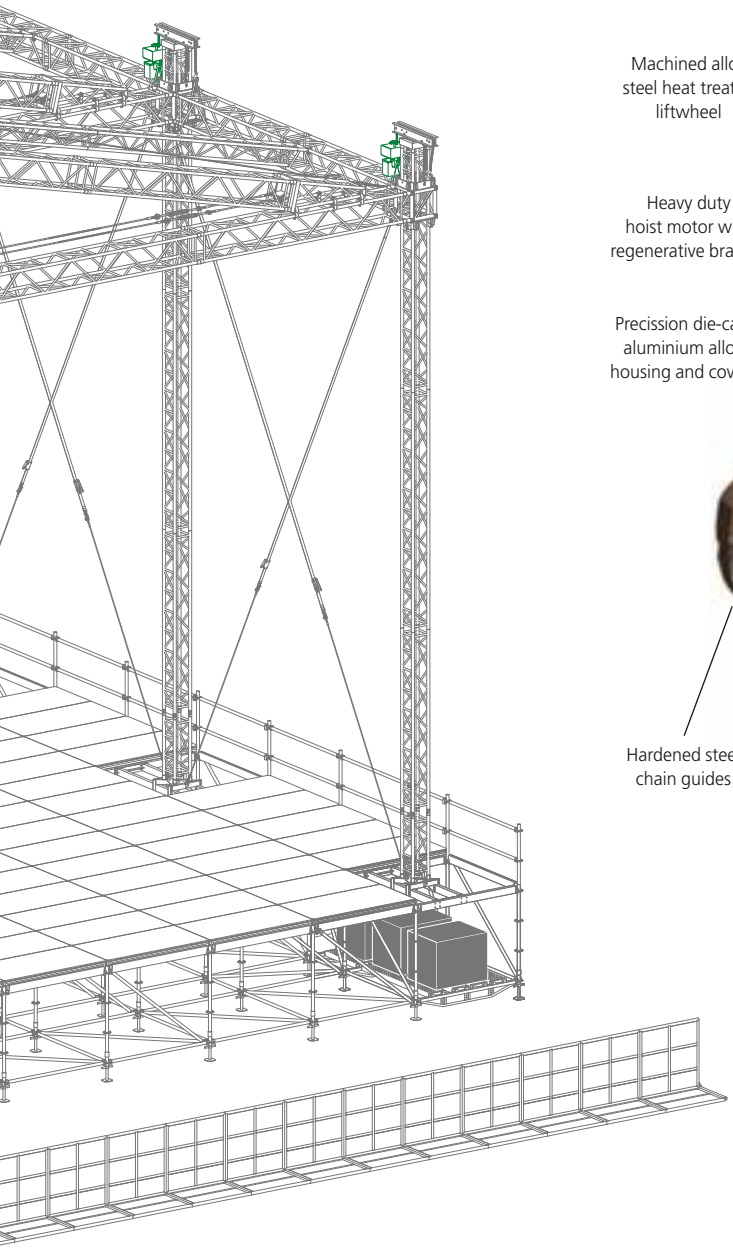


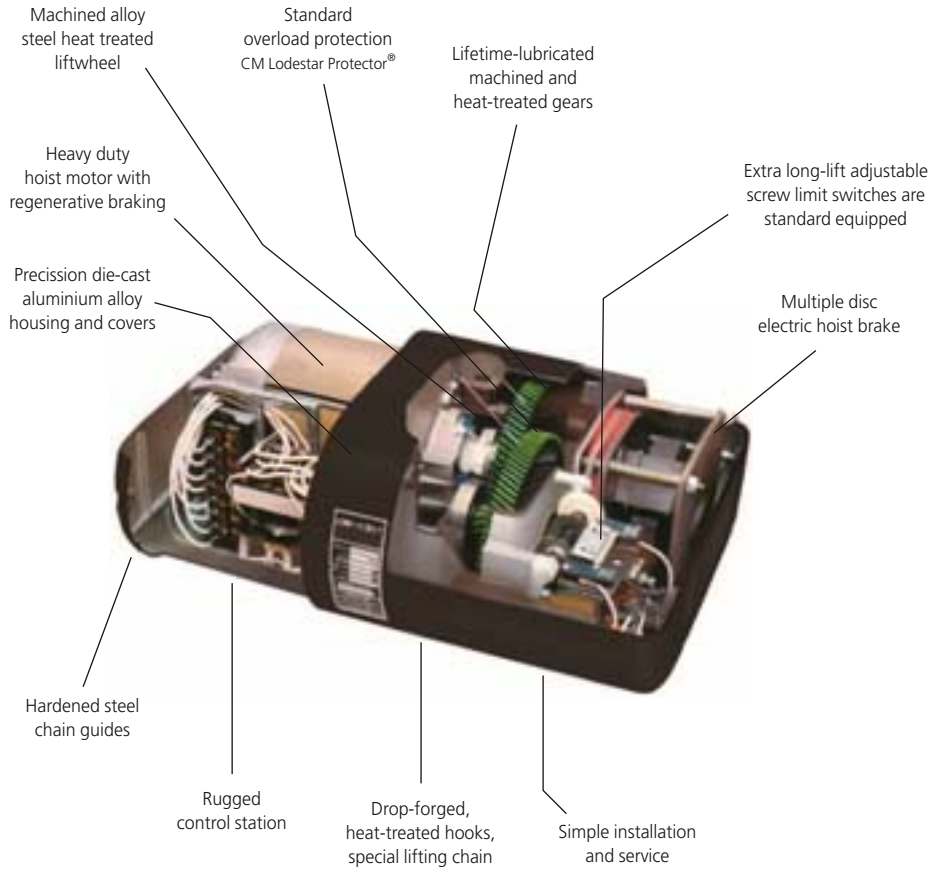
Eurotruss offers a wide variety of electrical and manual chain hoists.

The electrical rigging hoists are available in direct control and low voltage with a lifting capacity of 125kg till 2000kg.

In low voltage the rigging hoists are also available in D8+ (double break, 1:10 safety factor) and C1 (for dynamic load above persons, safety factor 1:10).

The rigging hoists are standard equipped with an ARS Chain Bag and 20m chain.





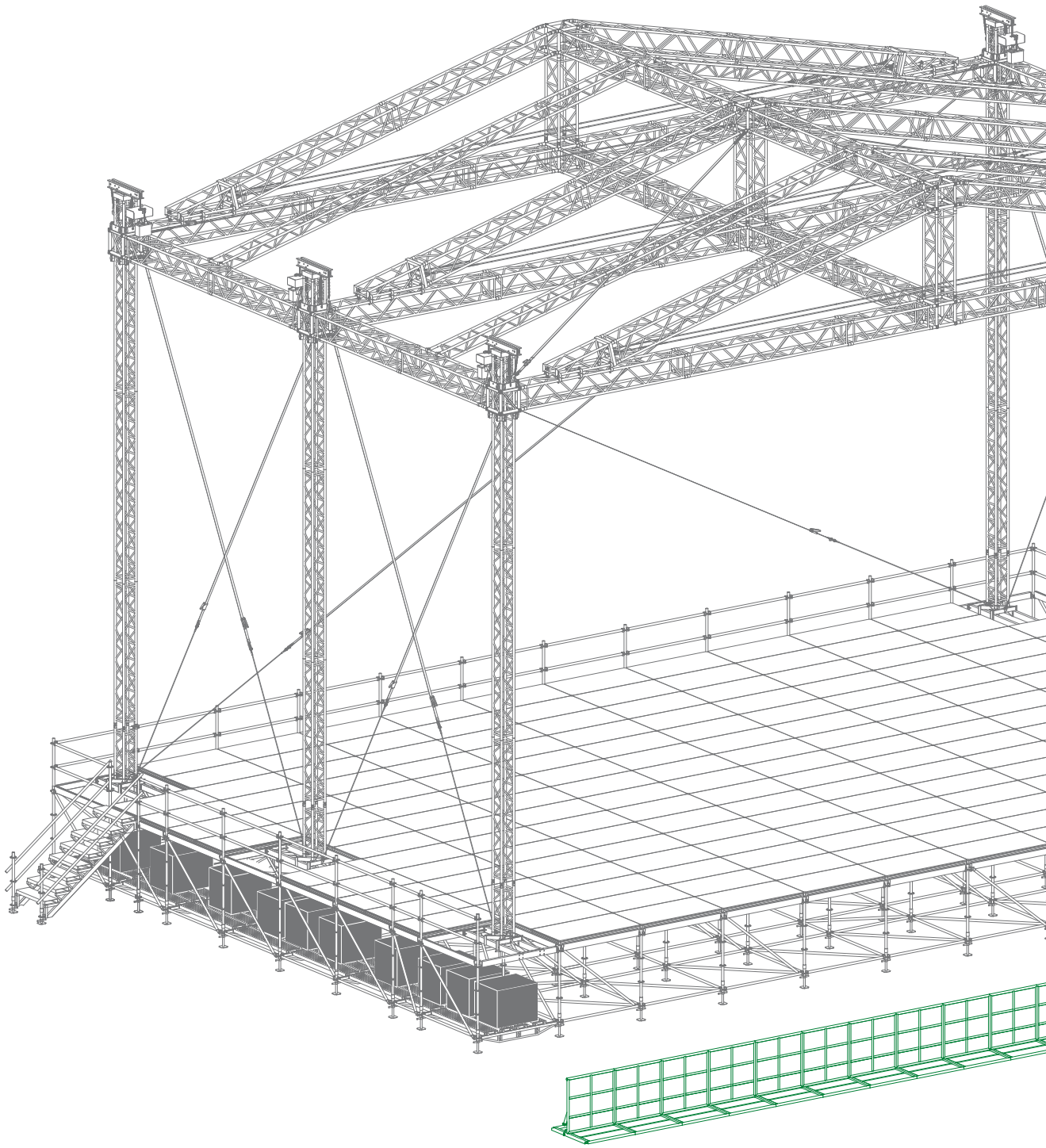
In direct control and low voltage a broad range of **controllers** are available. The controllers allow you to control the hoists individually or simultaneously by one single switch.
The **manual chain hoist** is strong, compact, safe and finished in black.

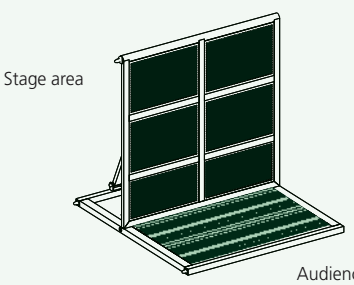
Chained up with RUD hand- and load chain. Standard available with lifting capacities of 500kg and 1000kg.

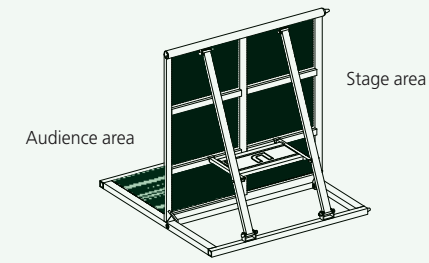
Further Eurotruss carriers all required **accessories** like Cables, Flight Cases, Rain Covers and Spare Parts.

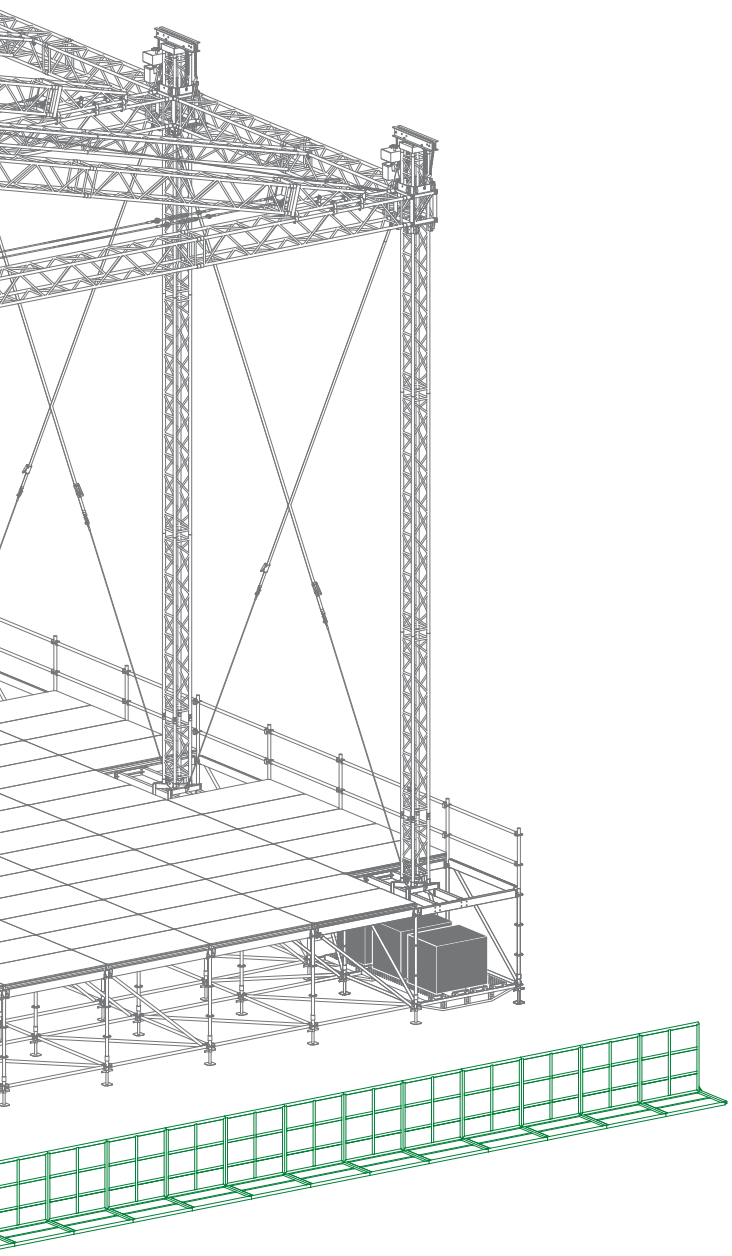
Modular Barriers

Aluminium Crowd Barriers and Steel Crash Barriers









Optimum crowd control

BARRIERS

The Crowd Barrier is a modular barrier for all kinds of outdoor venues like concert etc. The crowd barriers guarantee optimum crowd control.

The Crowd Barriers are made of light weight aluminium and weigh only 35kg per module, ensuring easy handling, storage and transport.

During transport the folded barrier's dimensions are 9,2x115x125cm per module and a special designed transport container can hold ten barriers.

The Crash Barrier is a steel modular barrier and weighs 66kg per module ensuring durability and strength.

During transport and storage the dimensions are 14x 105x 120cm and special designed transport containers can hold seven barriers. The Steel Barriers consist of straight and angles modules with a standard height of 120cm.

The Crowd Barrier Range consist of straight and angled modules with the standard height of 125cm. Naturally a gate and a cable gate module is available.

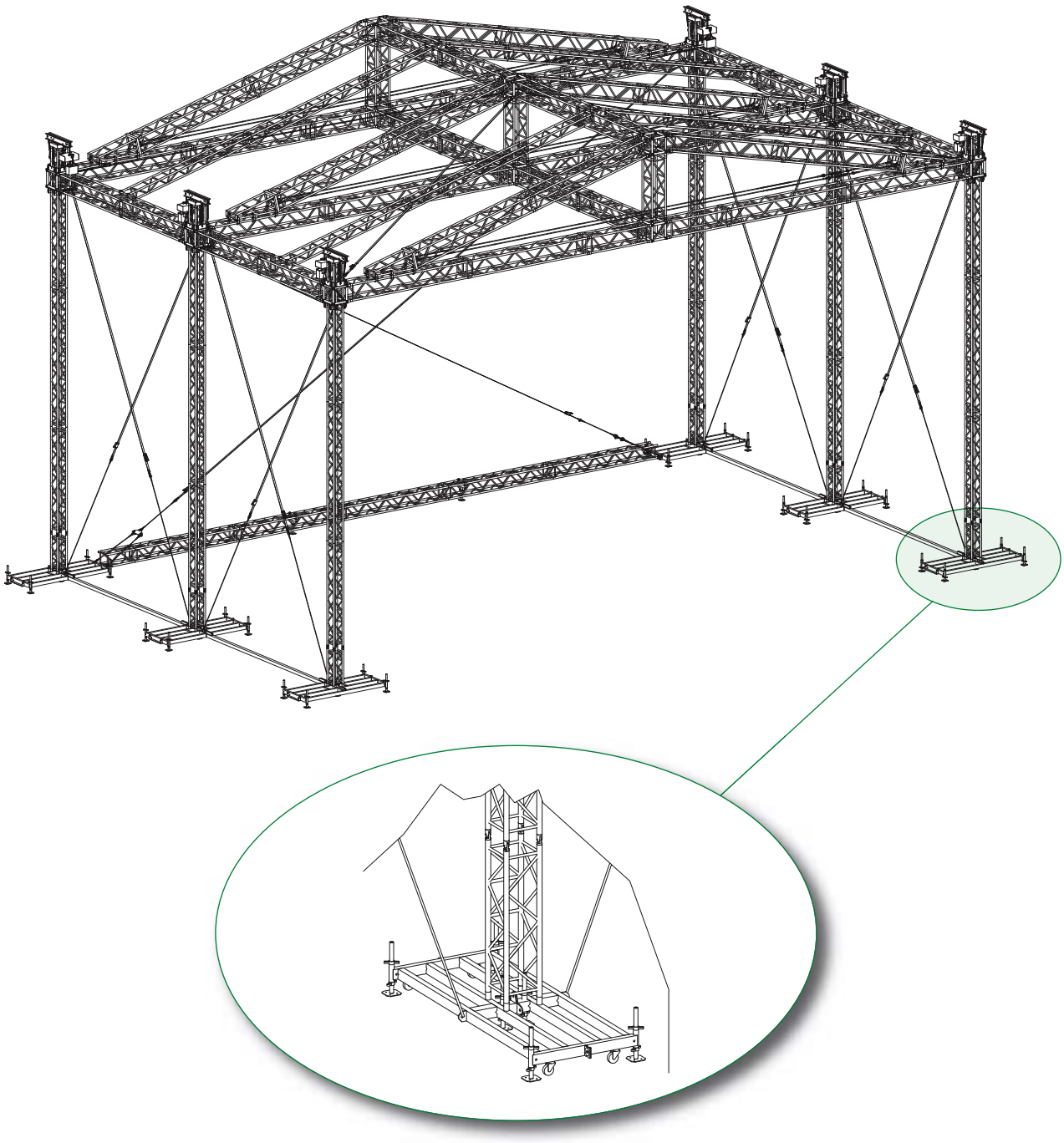
Heavy duty Step-Ups on the back side of each straight module are included which enables rescue personnel to help the audience and create a safe working space.

Crowd and Crash Barriers

- Approved and designed and manufactured according the highest safety regulations
- Two Types available Aluminium- and Steel Barriers
- All Barriers are foldable and easy to stock and transport
- Both Barriers come in straight and various angled modules.

Ballast Solutions

Ballast-Basement

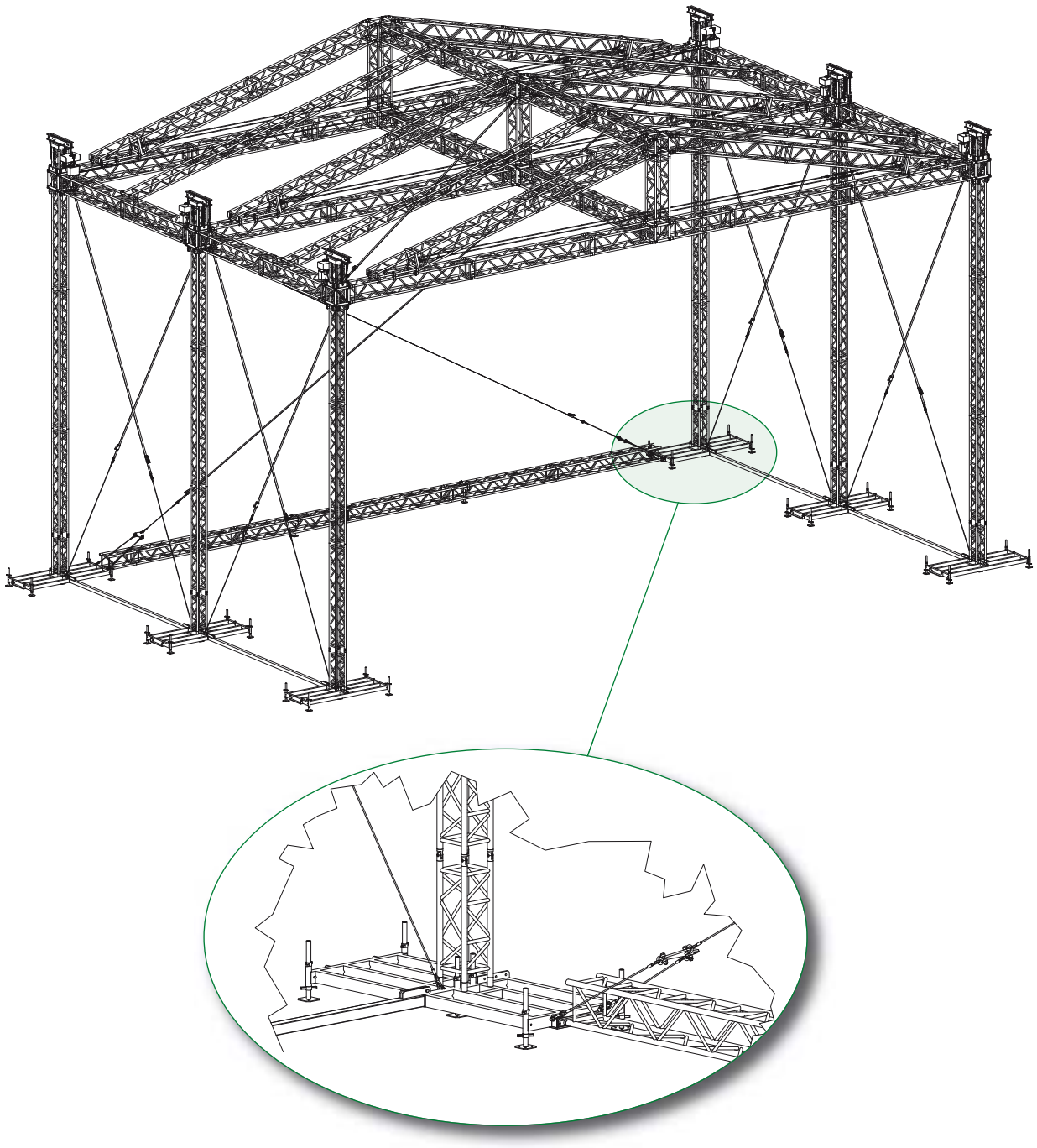


Ballast Basement

Ballast is the necessary additional weight to make sure that a truss roof structure is kept in place and protected against wind forces, wind pressures, sliding or other hazards.

In any roof the front, middle and rear towers require different ballast weight. The front towers normally requires much more ballast weight than the middle or rear towers. Fact is that the ballast needs to be fixed to the towers. In many occasions it is very hard to find the appropriate ballast fixed to the tower.

Ballast Basement is a solution which enables you to fix the required ballast on the right spot to the tower. Therefore the ballast basement prevents the hazard of placing the ballast in the wrong position which can cause dangerous situations.
The Ballast Basement is made of steel powder coated black. Solid wheels enables you to transport the ballast easily.
The ballast basement is available for the various tower types and can be used for all kind of roof structures.



Ballast Compression Beam

Ballast is the necessary additional weight to make sure that a truss roof structure is kept in place and protected against wind forces, wind pressures, sliding or other hazards.

In any roof the front, middle and rear towers require different ballast weight. The front towers normally requires much more ballast weight than the middle or rear towers.

The towers of the roof structure in total needs less counter weight as the towers are all connected. The result is less ballast requirement per tower.

The ballast compression beam is made of steel powder coated black and come in various sizes depending on the roof sizes.

The ballast compression beams can be fixed at the steel tower basements.

To connect the both rear towers it is adviseable to use an aluminium truss as due to the long span, the steel ballast compression beam will face a high bending force.

Front of House

Controll Center for lighting and sound administration

FRONT OF HOUSE

Lighting and sound operators, excluding the monitor engineers, are normally positioned front of house. From this position they have a clear view of the performance, enabling the operation of show control consoles and other equipment.

The front of house desk is the desk that generates the front of house mix. The front of house desk may also produce foldback (monitor) mixes for the monitor speakers onstage.

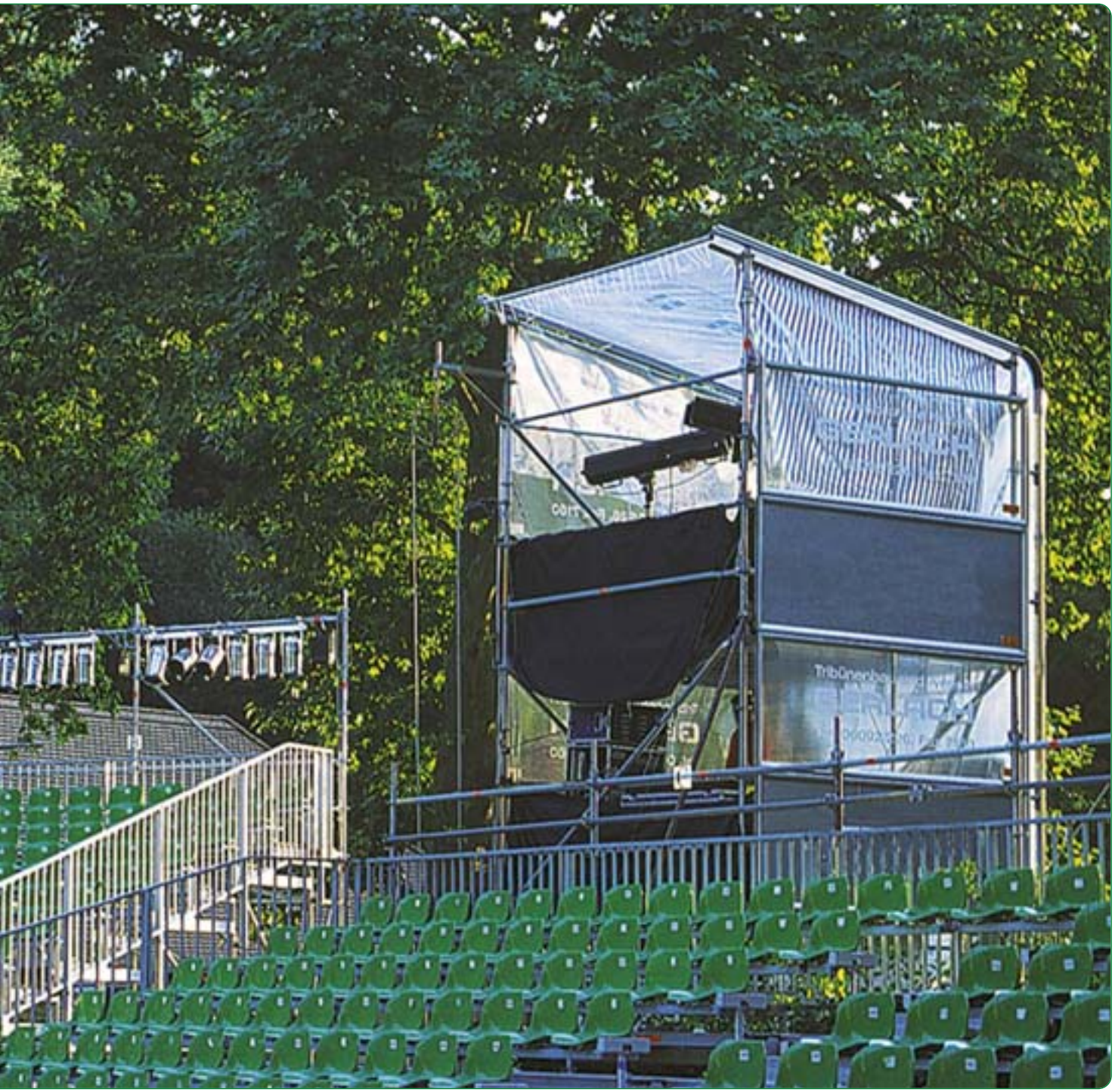
The audio engineer that designs the front of house sound system is the system engineer and this role is often separate from the person who operates the desk The term also often refers to the very position of the main mixing desk.

In stage lighting, any lighting fixtures that are on the audience side of the proscenium arch are referred to as being FOH.

How it works:

The FOH normally consist of 2 or 3 layers to cover mixing, monitoring and or follow spots positioning. Building with standard scaffolding elements you can resize, closing all sides and top with canopy all to guarantee modularity, safety and fast set up and dismantling.

Using Standard Scaffolding Substructure with stairs, stage decks and top structure you can make any size and shape of FOH required for any in- and outdoor event.



Eurotruss F.O.H. System:

Eurotruss offers the solution to supply the drawings and products to build custom required Front of Houses.

The basic concepts of these Front of House System are:

- Variable, Safe, Closed and Fast
- Protected from Wind and Rain Forces
- Using standard Scaffolding System

Tribune System

Flexible and strong

MODULAR TRIBUNES

Eurotruss offers a range of modular and variable tribunes made of steel scaffolding substructure. The Eurotruss Tribunes: Systems for sitting and standing. The cost effective, modular and durable seating stage whenever and wherever.

Starting from basic units, every conceivable variation of tribunes – from simple ones without seats to ones with comfortable seating, whatever is required by the client – is assembled in standard dimensions 2m x 2m (also 2.07 m x 2.57 m and 2.07 m x 2.07 m available) from one system.

Sitting on benches, bucket seats or chairs, or standing – with the Eurotruss Tribune System you have that choice. That's optimum variability.

The Tribunes meet the highest standards: Having convenient accesses, solid stages, variable seating possibilities, and a good view thanks to ample height steps, ensure satisfied spectators.

There is a range of seating possibilities; Seating available in benches, rows, bucket seats, or individual chairs, or without seats – this makes it easy to react to customer requirements.

How it works:

Fast and safe connection technology without bolts and the logical assembly, together ensure that every tribune can be put up and taken down anywhere and quickly.

That's fast assembly with no fuss. The weight girders support ensures that each deck frame (bay) has a 750 kg/m² load bearing capacity;

Eurotruss Tribune System:

Building Tribunes with mainly standard scaffolding gives you many advantages and possibilities:

- Safe. Modular, Mobile, Resizable and Durable
- Various standard seating or individual seating available
- Meeting highest standards in technology and safety

Competence in Trussing

Construction
Welding Technique
Spigot Connection
Construction – Pull Forces
Connection / Material
Approvals and Certificates
Technical Load Explanation
Users' Guideline / Eurotruss Tools

Eurotruss Philosophy

Construction: Main Tube and Bracing Size relationship

TOTAL QUANTIFIED ORIGINALITY.

Research and engineering expertise are the key factors behind the amazing performance of Eurotruss.

To achieve their standard of excellence Eurotruss analysed all aspects of truss manufacture to arrive at the format now used in manufacture.

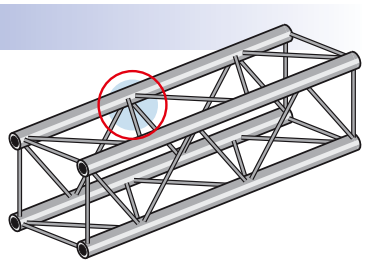
Eurotruss unwilling to accept normally followed procedures, has solved the objectives resulting in a superior product in strength, simplicity of assembly, and safe interaction of all products. Eurotruss does not accept terms like »that is what all others do« or »it is general known« etc. This leads to complete new insights and necessary improvements. Eurotruss: re-writes the truss manual not accepting historic theories.

Eurotruss: »No secrets policy« an insight into our research to the »How and Why« of truss.

An example of how far the Eurotruss research continues to explore…

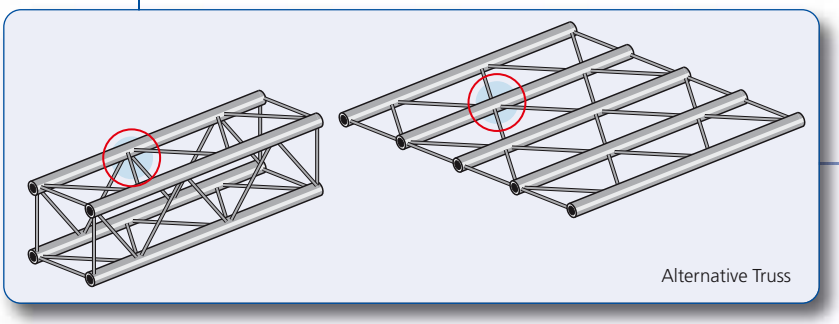
CONSTRUCTION

MAIN TUBE AND BRACING SIZE RELATIONSHIP



FACT

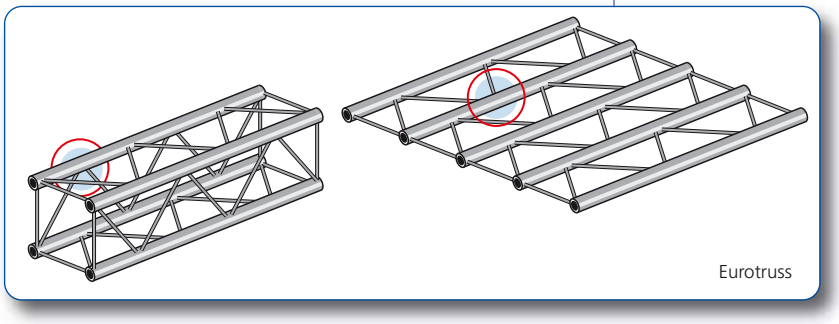
The loading bearing capacity reduces when more welding seams are joining at one and the same spot.



Alternative Truss

On all the Eurotruss truss-types with diagonal bracing, the Eurotruss braces (welding joints) are limited to one side of the main tube.

EUROTRUSS



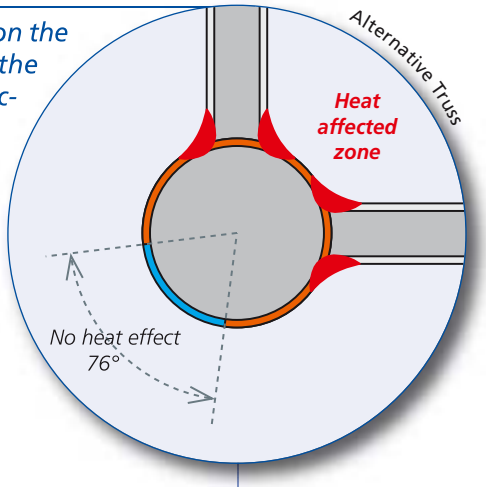
Eurotruss

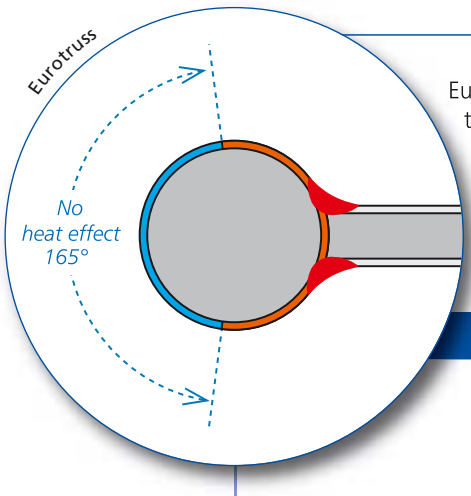
CONSTRUCTION

MAIN TUBE AND BRACING SIZE RELATIONSHIP

FACT

Extensive welding in one position on the main tube will severely weaken the mechanical strength of the construction.





Eurotruss stages the diagonal bracing around the construction of the truss section, to ensure that a reduced number of braces arrive at the same position on the main tube.

Minimizing the weakening of the main tube properties and increasing greatly the safety factor of the completed construction.

EUROTRUSS

ARGUMENT

To demonstrate the effect of weld strength in relation to the size of heat affected zone, it is necessary to cut a section through the welded area as shown up.

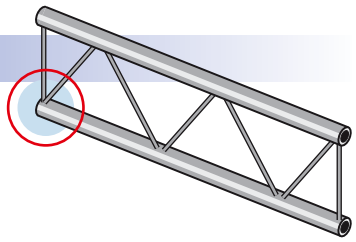
This shows conclusively, that Eurotruss with a smaller heat affected zone area gains a far higher strength factor in the main tube resulting in higher loads available with multiple truss lengths, benefiting in greater safety factor values. This is valid throughout the Eurotruss range.

Eurotruss Philosophy

Construction: Main Tube and Bracing Size relationship

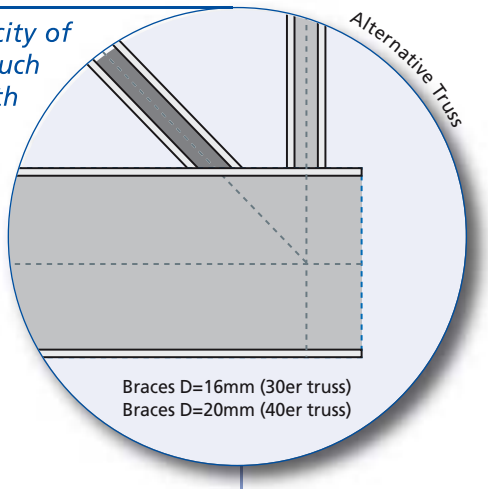
CONSTRUCTION

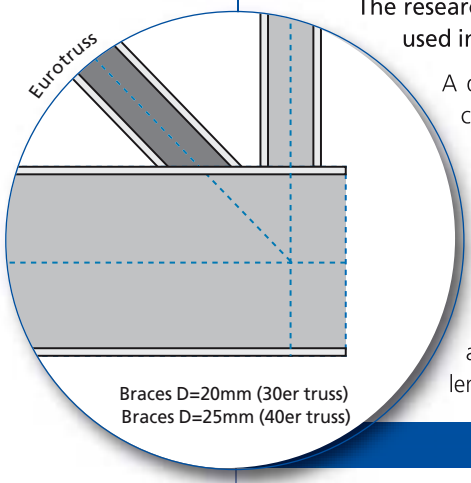
MAIN TUBE AND BRACING SIZE RELATIONSHIP



FACT

The loading capacity of thicker braces is much higher than with thinner braces.





The research of the relationship between the sizes of materials used in the main tube and structural bracing.

A definite increase in truss capability both in strength of construction and performance is achieved with a choice of thicker bracing material as with different spans of truss the braces are subjected to varying loads.

The combination of all the design factors thoroughly researched at Eurotruss research and development labs has concluded using a thicker wall size in bracing material, substantially increases the absorption of the loads experienced in varying stresses found in different span lengths.

EUROTRUSS

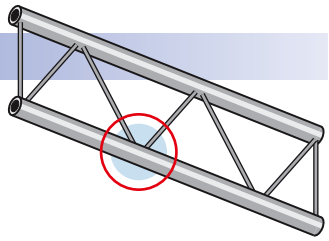
ARGUMENT

With long spans, the loads are transmitted into the main tubes and connections of the truss, thus reducing the stress in the brace material.

However, in a short span the loadings are of course heavier on the bracing material. Therefore, by using a bigger brace material Eurotruss can achieve greater performance from the same configurations size revealing the mystery of a better product.

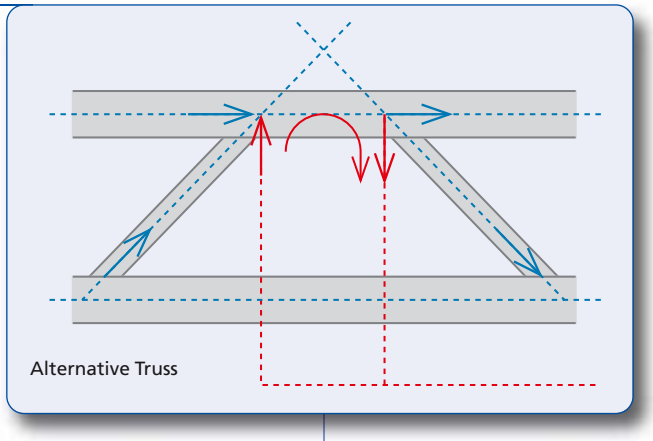
CONSTRUCTION

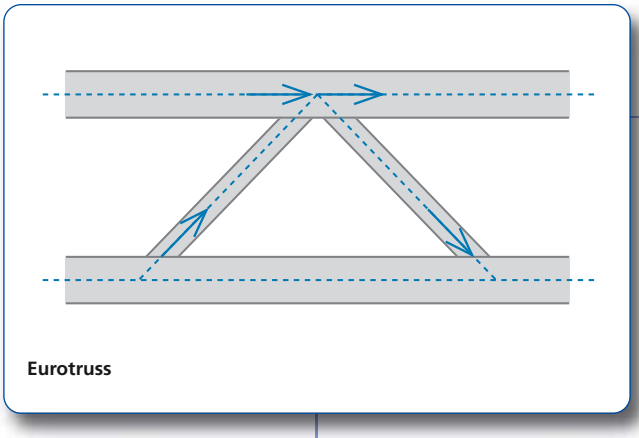
THE CROSS-LINE AT THE MAIN TUBE AND THE BRACES



FACT

When the diagonal braces are pulled outwards which result in bigger areas between the spots where the bracing meet on the main tube, higher bending moments will occur in the main tube and the braces.





At all Eurotruss Trussing the cross lines of the braces meet in the middle of the main tube, so maximum loadability is guaranteed.

EUROTRUSS

ARGUMENT

The basic principal of constructions – which have to deal with pull and push forces – is to keep the forces within the construction so the truss can be loaded to its maximum.

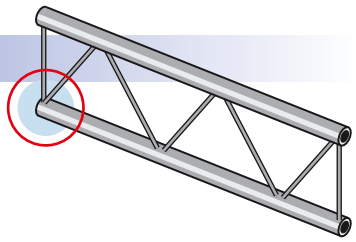
As the position of the braces will limit the possibilities of hanging the truss, Eurotruss advise the use of Slimline Couplers as those will also fit between the narrow spot of the braces.

Eurotruss Philosophy

Welding Technique: Welding of the Main Tube and Braces

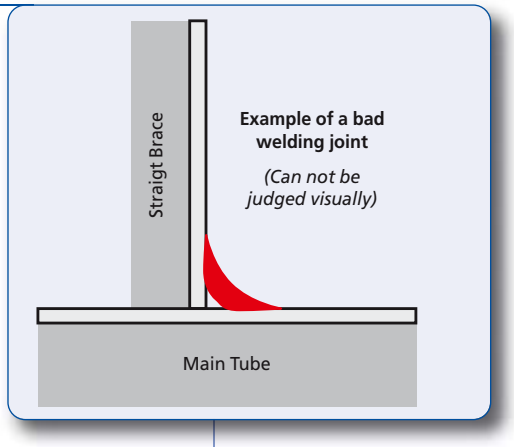
WELDING-TECHNIQUE

WELDING OF THE MAIN TUBE AND THE BRACES



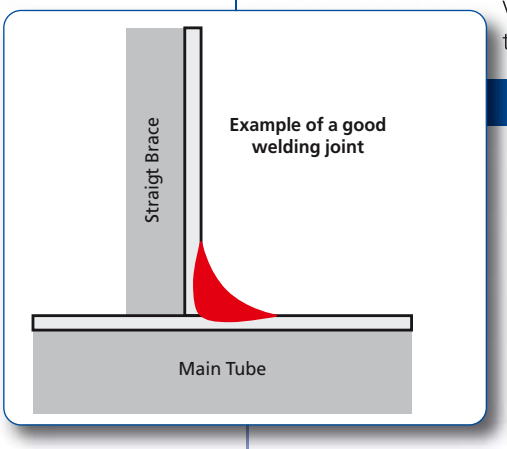
FACT

Only a good welding joint offers the required static value and safety.



In order to be sure of high quality welding, Eurotruss checks on a regular basis their welders by Danske Norske Veritas and by the German Schweisslehr- and Versuchsanstalt Duisburg SLV which has granted Eurotruss with a Verification for welding Aluminium.

EUROTRUSS



ARGUMENT

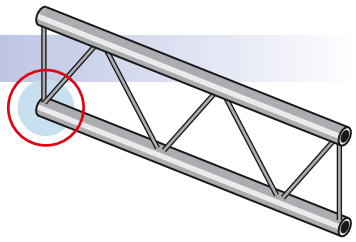
Whether a welding joint is good, can not be checked visually. Only qualified specialist like DNV and SLV are able to check a proper welding joint.

As every welding joint needs to absorb and transport forces, a failure in the welding joint will lead to reducing the ability to absorb forces and in total the load capacity.

The welding joint will tear or crack open.

WELDING-TECHNIQUE

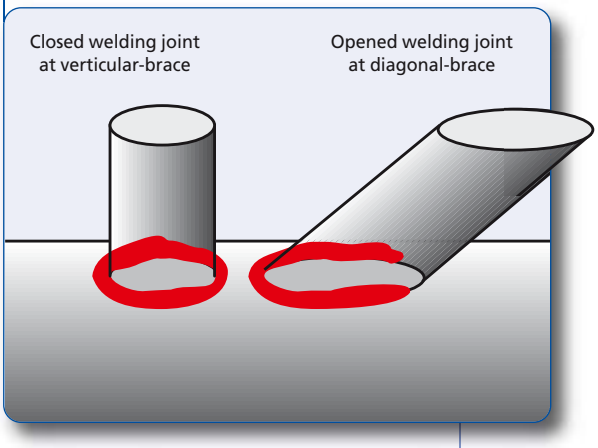
THE WELDING JOINT



FACT

Only a good welding joint offers the required static value and safety.

At the diagonal braces it is not necessary to have a closed welding joint in order to transport the forces in the brace.



The diagonal braces do not have a totally closed welding joint as it is not statically necessary to avoid bad welding which occurs as the angle gets to small to make a good welding joint.

EUROTRUSS

ARGUMENT

Conform the static and structural reports the circular ring of a brace determines the capacity of transporting the forces.

The welding joint has an elyptical shape which is longer than the surface of the circular ring (diameter of the brace).

There is no necessity to weld all around the brace.

Eurotruss Philosophy

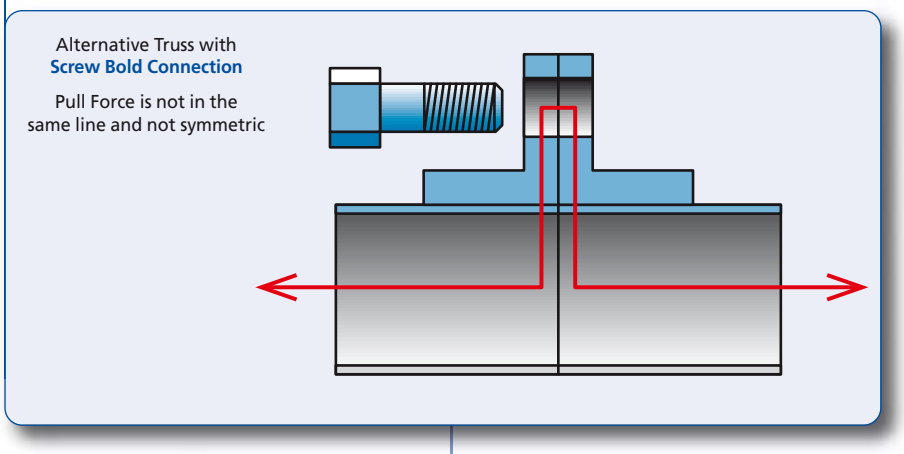
Spigot Connection: The Connection

SPIGOT CONNECTION

THE CONNECTION

FACT

The connection with Bold and Nut has the disadvantage that the pull force is not in the same line and not symmetric.



Eurotruss only uses conical fastconnection system with conical spigots and pins.

EUROTRUSS

ARGUMENT

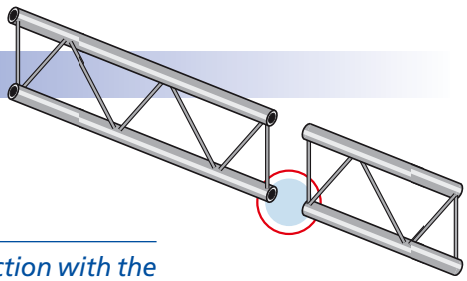
Tube, main tube – brace, and connection parts are all to be considered as one chain. The weakest point in that chain determines the maximum strength.

At Bold and Nut connection the transition from forces does not occur in the centre of the tubes. As the pull forces get interrupted by the connection, at this spot extra bending moments occur which put more pressure on the welding spots and tubes at that point.

This need to be compensated with tubes of greater wall thickness which push up the price and own weight. This does not fit in the Eurotruss Philosophy. Besides that the extra time required for difficult and unpleasant mounting, is not according the Eurotruss Philosophy.

CONSTRUCTION

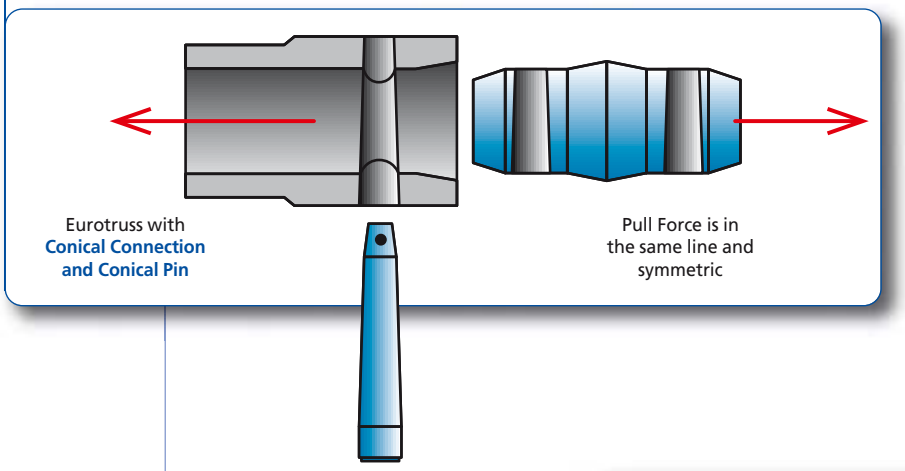
PULL FORCES



FACT

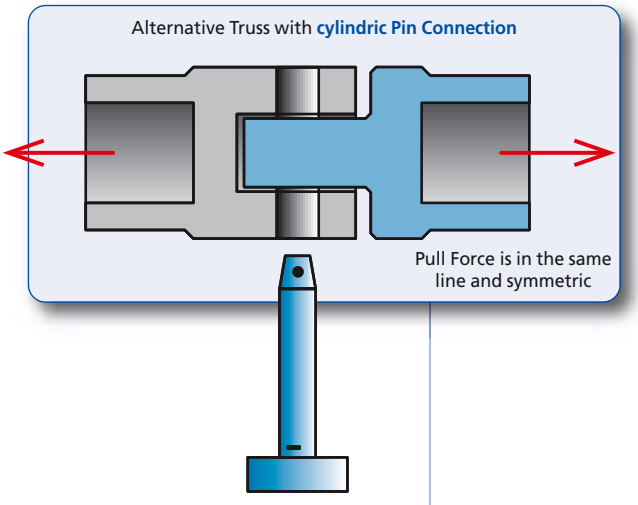
Statically you can compare the conical spigot and pin connection with the connection of male-female part with a cylinder pin.

At the male-female connection with cylinder pin the pull forces are in straight line and in the centre of the tube.



Eurotruss only uses conical fast connection system with conical spigot because cylindric pins result in larger tolerances.

EUROTRUSS



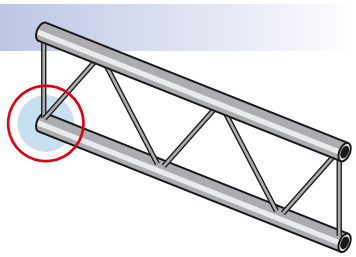
ARGUMENT

The connection form with conical spigot and pins keeps the same characteristics after many years of use.

The space and tolerance does not change as a result of frequent use. The mounting of a conical spigot with pin is much easier as the pin has a thinner front and due to its shape it will find its own way during hammering. The fitting of the receiver is inwards so protected during use and transport. The pin and spigot can be packed separately.

CONNECTION

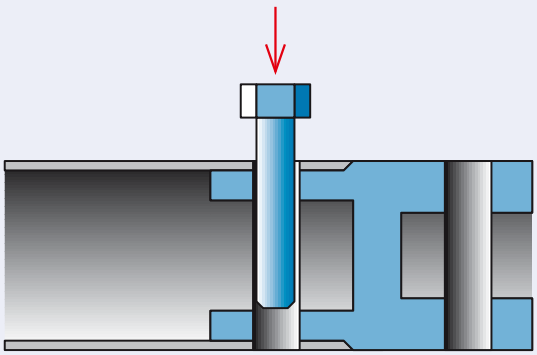
DIFFERENT WAYS OF CONNECTING



FACT

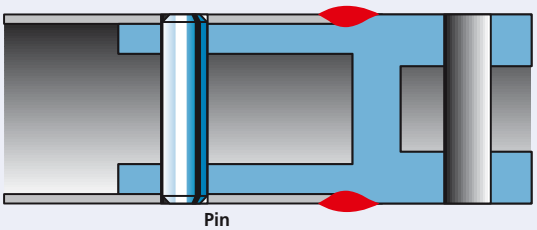
Connections with bold and nuts or span-pins have an extremely tiny contact spot to absorb all the forces.

To prevent the holes in the main tube from enlarging the wall thickness of the main tube must be quite big which results in a heavy truss.



Bold and Nut connection

Welding and extra span pin connection
(diameter of the pin)

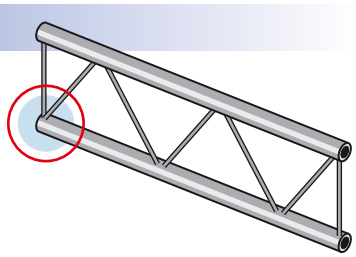


Pin

Span Pin

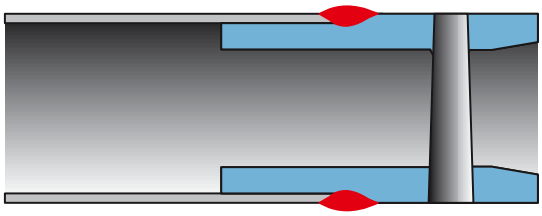
CONNECTION

THE WAY OF CONNECTING EUROTRUSS



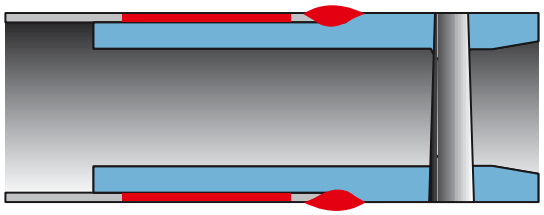
Eurotruss uses only welded connection methods.

EUROTRUSS



Welded connection

Welded connection with extra welding spots
(only at XD / ST / FT and TT)



ARGUMENT

The Eurotruss welding joint covers the entire diameter of the main tube to absorb the forces.

At the connections in the series XD, ST, FT, XT and TT extra welding slots are made on the main tube to enhance the loading capacity of the truss

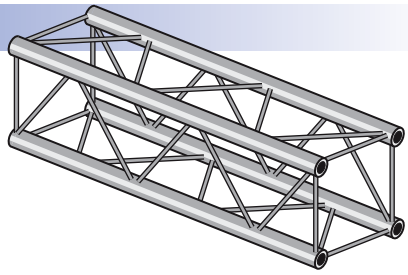
A combination of Welded Connections and Elastic Connection Methods (like Span Pins) is of no use as this connection type, »Scher-/ Lochleibungs-Verbindung« is accordingly the E-DIN 4113 part 2 (Chapter 6.4.1) is not suitable.

Eurotruss Philosophy

Material: The alloy of the receivers and spigots

MATERIAL

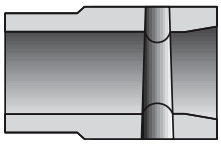
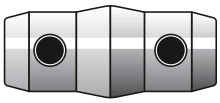
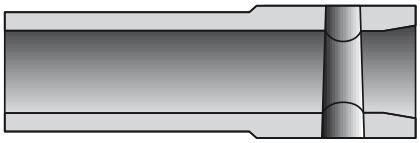
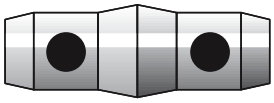
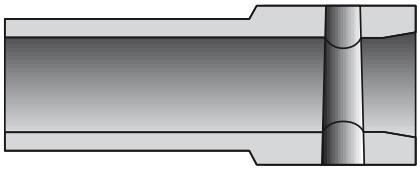
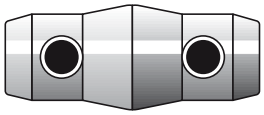
THE ALLOY OF THE RECEIVERS AND SPIGOTS



RAW MATERIAL

Eurotruss uses only raw material (aluminium etc) with a high quality degree as they can supply the required strength and durability in the end-product.

The Eurotruss connector is made of alloy AlCuMgPb 1 F37 / ENAW 2030 T3.

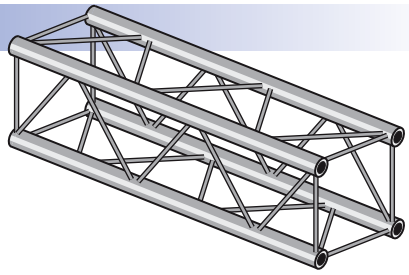
		Connection receivers	Spigots (Connectors)	Trusspins	R-Clips
CS1	FD HD				
CS2	XD				
CS3	FT ST XT TT				

FACT ***For the pin it is a fact that the stronger the material of which it is made, the higher the loading will be. A list of material quality will proove this fact:***

Material	*Strength-quality*	*Strength in N/mm²*
9 S 20	*4.6*	*400*
9 SMn 28	*5.8*	*500*
10 C 20	*6.6*	*600*
C 45	*8.8*	*800*
46 Cr 1	*8.8›*	*800*
42 CrMo 4	***10.9/12.9***	***1000 – 1300***

MATERIAL

THE ALLOY OF THE TUBES AND CONICAL PINS



FACT

For Truss in general several different kind of materials with various alloys are being used.

Hereby a list of the most common used materials:

Alloy DIN	*Old code*	*Pull Limit*	*Pull Limit after welding*
EN AW-6060 T66	*AlMgSi 0,5 F22*	*150*	*65*
EN AW-6082 T5	*AlMgSi 1 F28*	*230*	*125*
EN AW-6082 T6	***AlMgSi 1 F31***	***250***	***125***

All figures in N/mm²

Eurotruss only uses EN AW-6082 T6 (also for the connection receivers)

EUROTRUSS

ARGUMENT

The stronger the used material – the higher the loading capacity of the truss.

EUROTRUSS **Eurotruss uses for all the pins a quality of 42 CrMo 4.**

REASON The maximum result of the high quality of material does not only count in extra loading, due to its strength the pins will not deform as soon as pins with a lower quality.

Approvals and Certificates

What is what… ?

CERTIFICATES

FROM CALCULATION TO »PRUFBUCH«

CERTIFICATES… WHAT DO THEY TELL YOU ?

Today, truss systems are used routinely to build mobile staging and exhibition stands as well as fixed installations. Unfortunately, one tends to forget how much actual expert knowledge individual manufactures need and how much user skill is required for these purposes.

This absolutely important safety issue requires competence and responsibility on both sides.

The primary problem lies in the lack of contact between the user and the manufacturer.

Even the most responsible user depends on the precision of the manufacturer's information and honesty of its dealer.

Nowadays all manufacturers have or claim to have all required certificates and approvals.

Be critical and request for the copy of the valid certificates evidence. A respectable manufacturer or partner cannot possibly refuse to supply these certificates.

Be sure that you get these documents in your possession, but what is what…?

THE STATIC CALCULATION

All Eurotruss Truss-Types have a static calculation and these (loading figures) have been carried out by independent qualified engineers.

Your own created constructions like roofs, outdoor constructions or exhibition stands may need a static calculation for your own use or for third parties.

Eurotruss can offer you static calculations in German and English according DIN and with loading results as well as all required information as ballast, anchoring etc…

Do not hesitate to contact us.

THE APPROVED WELDER

Eurotruss welders are approved according DIN EN 287 T.2 (Prüfung von Schmelzschweissern für Aluminium und Aluminiumlegierungen)

This alone is not sufficient. Eurotruss is very keen on a perfect welding process.

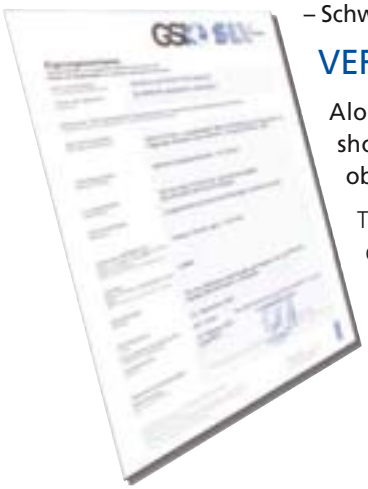
What is this welding technique; The welding process is basically a chemical unity (thorough melting). An optimum welding technique, carried out by an appropriately qualified expert welder, will result in an excellent welding quality throughout the entire material.

There is only one official certificate confirming compliance with these requirements regarding the company and the welding of aluminium according to DIN 4113. This is the »Eignungsnachweis zum Schweissen von Aluminium«.

TÜV NORD
TÜV NORD CERT GmbH
Baumuster geprüft

CERTIFICATES

FROM CALCULATION TO »PRUFBUCH«



– Schweisseignungsnachweis –

VERIFICATION FOR WELDING ALUMINIUM

Along with the approvals for their welders a truss manufacturer should have a Verification for welding aluminium, which can be obtained when all required tests has been completed.

The organization, the machinery equipment, the premises and the welders must apply to the required standards.

Eurotruss is one of the few truss manufactures with this certificate which enables Eurotruss to obtain Construction Approvals like roof systems, special aluminium constructions etc.

– Building without restriction–

THE »PRUFBUCH«

When aluminium truss is built together in a construction / roof with a fixed character like a (temporarily or not) building, this construction should apply to different requirements.

A „Prufbuch" gives the user the approval and freedom to build this Eurotruss roof without any governmental restriction.This „Prufbuch" is the result of a approved static calculation, drawings, building instruction, certificates like the 'Verification for welding aluminium'.

All Eurotruss Roofs are built and assembled accordingly these regulations and possesses such a „Prufbuch".

– Zeichengenehmigunsausweis –

THE TUV BAUART APPROVAL

The Tuv is a German Institute which tests and approves that what a manufacturer ask them to.

If this is just a single piece of truss (included spigot or not) or a more comprehensive product line, can not be told from the Label „RW Tuv Bauart geprüft". The actual approval itself will tell you exactly the content of that particular product as it lists material and alloys etc.

Always ask for a copy of the original »Zeichengenehmigungsausweis« from the RWTUV.

The RW Tuv Approvals of Eurotruss can be easily downloaded from the internet and the content (loading figures) match those Eurotruss list in this catalogue and their technical info sheets.

Technical Load Explanation

Definition of Loading Figures:

LOADING FIGURES

DISTRIBUTED LOAD AND POINT LOAD

FACT

Load cases are the figures which describe the loading capacity of a truss.

In order to give the right loading figures of a truss, two types of positions are mentioned:

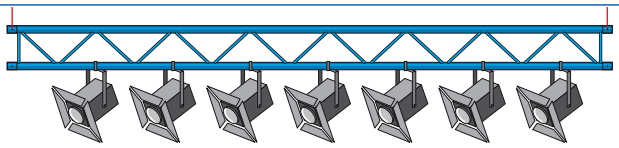
- Distributed Load
- Point Load

In the Eurotruss figures the own weight of the truss is already being calculated, so the given figures are the actual loading which can be used on the truss.

LOADING FIGURES

DEFINITION OF THE EUROTRUSS LOADING FIGURES

DISTRIBUTED LOAD



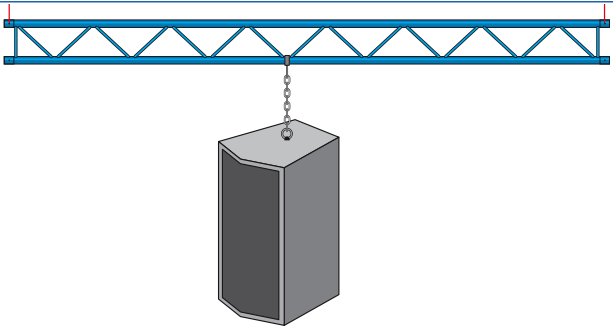
Distributed Load is a load which is equally divided over the entire span.

On every truss section the load force is equal. The loading is given in Kilograms pro Meter (kg/m).

You can calculate the total load as following:

Total Load (kg) = Distributed Load (kg/m) x Length of Span (m)

POINT LOAD



A point load is on fixed load on the entire span. Examples of point loads are LED Screens or Speakers (fixed on the truss at one point)

For the main tubes and connectors in the truss the forces reach their maximum when the point load is exactly in the middle of the span.

For the bracing the forces increase when the point load switch more to the endings of the span. Whether the braces or the main tube will be the limited factor is depending on the chosen truss system.

In the Eurotruss Loading Scheme the Point Load is always calculated hanging in the middle of the span.

Definition of Loading Figures:

LOADING FIGURES

GENERAL INFORMATION

FACT

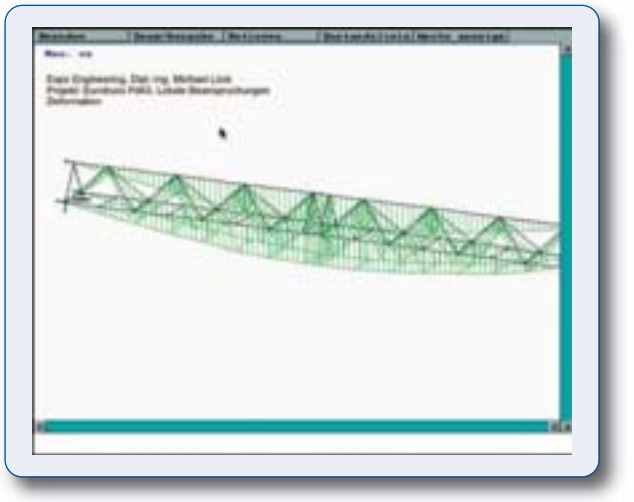
In order to determine the admissible load-bearing capacity of a given system, calculations should be carried out based on the relevant DIN norms.

These calculations regulations pertain to all groups of components, such as main tubes, braces, connectors and weld seams. Any design engineer who is aware of his responsibility should ask a certified agency to check and certify these calculations.

Unchecked calculations always remain doubtful, since they may cause incalculable practical consequences.

Any respectable manufacturer's information concerning the statics should be based on defined load cases, since only specific load cases can include a complete structural calculation pertaining to the individual element and the load transmission of their connections.

The described load cases should only refer to flexible sections. Rigidly clamped sections do achieve a higher load-bearing capacity, but can rarely be realized in the practical context.



BASIC APPLICATION RULES

- Never combine original Eurotruss elements with different brand or so called »compatible« Truss from different manufactures.
- Open-air structures which are permanently covered require a mathematical analysis of the total construction statics.
- If necessary, reinforce any vertical trusses and ground-supports and provide ith lateral outriggers and bracing.
- In the absence of a basement, always use system-compatible base plates.
- Make sure that all pins (truss pins) are inserted and secure them with R-clips or nuts. Pins which go in entirely have to be removed.
- In addition, closely observe the manufacturers' assembly instructions.

Users' Guideline

The guarantee for ensurance of a trouble-free system

USERS' RESPONSIBILITY

Working with a truss-system involves a certain amount of specialized knowledge, however practically designed and customer-friendly the product may be. The decision on where and how the loads should be attached and the methods of construction and demonstration of the system are all the responsibility of the user.

A TuV certificate is a guarantee that refers to the quality of the product, and not a guide of how to use it. Even the lack of regulations related to the product does not release the user of his responsibilities with regard to the safe and correct use of the system.

Please use a point-by-point instruction sheet or rigger' handbook in addition to the basic instruction sheets. Only this, combined with the use of the best truss available will ensure a trouble-free and responsible utilization of the system.

Nowadays more and more copies of Eurotruss are available on the market which claim to have the same specifications and therefore to be used as a replacement of or in combination with Eurotruss.

As this is false statement, please ensure that you always have an original Eurotruss product. The logo engraved in the receivers is for you the guarantee that you have an original Eurotruss Truss Product.

Do not accept verbal proof of quality, ask for the certificates and check the logo engraved in the receivers. If you want to be sure, make sure that you have the original Eurotruss Truss.

ATTENTION

- Do not drill or screw things into the truss-sections
- Do not alter the basic and original elements by yourself
- Never combine truss-parts or different makes, even if they appear compatible
- Free-hanging spans outdoor always need a static report to calculate the total system and its capacity as the existing forces are often underestimated
- Upright constructions and ground-supports must be stabilized with outriggers; if no bases are used, then suitable base plates are required
- In order to achieve the necessary strength and stability with triangle shaped truss, the truss must be used » two tubes down« as this spreads the load
- Always use spigots and pins first, and then R-springs. Without spigots the structure will be weakened
- When in doubt, please make use of our technical help desk or mail to: info@eurotruss.nl

EUROTRUSS TOOLS

EUROTRUSS WEBSITE AND LOAD CALCULATOR®

WEBSITE

On the Eurotruss Web Site you can find all downloads like catalogue in PDF, TuV Certificates and Tools like Load Calculator and Alu Checker.

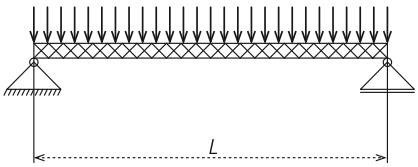
Further Eurotruss presents online a news site, the international dealer network and special deals.

LOAD CALCULATOR®

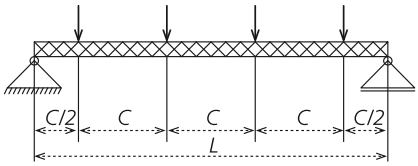
An example to show you how it works:

Input: FD34, L=9m · Distributed Load 10 kg/m including a Multi-point Load of 4x 55 kg

Distributed Load

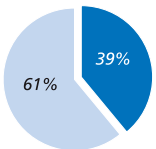


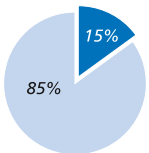
Multi-Point Load



On your computer screen this graphic will show up:

The program calculates the result and informs you with a graphic in percentage the status:





The load ability of this truss type FD34 has been used for 39%.

The System Status is OK.

Product Listing

Product Listing: Pre Rig Truss

TT, XT and FT100 Truss

TT TRUSS (TT Rectangular Truss 101x58cm)

TT...	one level constructions
TT-100	TT Rectangle Truss Length 100cm
TT-175	TT Rectangle Truss Length 175cm
TT-200	TT Rectangle Truss Length 200cm
TT-250	TT Rectangle Truss Length 250cm
TT-300	TT Rectangle Truss Length 300cm
Option:	
TT-WH-SET	Wheel Set for under TT (2x wheels incl. holders)

TT...	Corners
BLK-TT	TT Rectangle Truss Corner Block 90 dgr in 4 dir.
CS3-BOB85	TT, XT, FT, ST Truss – Bold on Receiver 85mm (on corner / sleeve block)

Connectors & Pins	
CS3-CON	Conical Connector for Truss Systems TT, XT, ST, FT
CS3-TP	Conical Truss Pin for Truss Systems TT, XT, ST, FT
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS3-TPS	Conical Truss Screw Pin for Truss Systems TT, XT, ST, FT
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD

XT TRUSS (XT Rectangular Truss 81x58cm)

XT...	one level constructions
XT-100	XT Rectangle Truss Length 100cm
XT-175	XT Rectangle Truss Length 175cm
XT-200	XT Rectangle Truss Length 200cm
XT-250	XT Rectangle Truss Length 250cm
XT-300	XT Rectangle Truss Length 300cm
Option:	
XT-WH-SET	Wheel Set for under XT (2x wheels incl. holders)

XT...	Corners
BLK-XT	XT Rectangle Truss Corner Block 90 dgr in 4 dir.
CS3-BOB85	TT, XT, FT, ST Truss - Bold on Receiver 85mm (on corner / sleeve block)

Connectors & Pins	
CS3-CON	Conical Connector for Truss Systems TT, XT, ST, FT
CS3-TP	Conical Truss Pin for Truss Systems TT, XT, ST, FT
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS3-TPS	Conical Truss Screw Pin for Truss Systems TT, XT, ST, FT
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD

FT100 TRUSS (Folding Truss 100-serie)

FT100...	one level constructions
FT100-100	FT100 Folding Truss Length 100 cm
FT100-200	FT100 Folding Truss Length 200 cm
FT100-250	FT100 Folding Truss Length 250cm
FT100-300	FT100 Folding Truss Length 300cm

FT100...	Corners
BLK-FT100	FT100 Folding Truss Corner Block 90 dgr in 4 dir.
BLK-A-FT100	FT100 Adapter for FT100 Corner Block *** 1 pce required per attachment*

Connectors & Pins	
CS3-CON	Conical Connector for Truss Systems TT, XT, ST, FT
CS3-TP	Conical Truss Pin for Truss Systems TT, XT, ST, FT
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS3-TPS	Conical Truss Screw Pin for Truss Systems TT, XT, ST, FT
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD

Product Listing: Heavy Truss

ST, FT50 and XD Truss

ST TRUSS (Square Truss 51x51cm)

ST…	one level constructions
ST-075	ST Square Truss Length 75cm
ST-100	ST Square Truss Length 100cm
ST-150	ST Square Truss Length 150cm
ST-200	ST Square Truss Length 200cm
ST-250	ST Square Truss Length 250cm
ST-300	ST Square Truss Length 300cm
ST-350	ST Square Truss Length 350cm
ST-400	ST Square Truss Length 400cm

ST…	Corners
BLK-ST	ST Square Truss Corner Block 90 dgr in 4 dir.
CS3-BOB85	TT, XT, FT, ST Truss – Bold on Receiver 85mm (on corner / sleeve block)

ST Circles	(incl. connectors and pins + Clips)
ST-C1000P8	ST Circle D=10mtr (8 Parts)
ST-C1200P8	ST Circle D=12mtr (8 Parts)
ST-C1400P12	ST Circle D=14mtr (12 Parts)
ST-C1600P12	ST Circle D=16mtr (12 Parts)
ST-C1800P12	ST Circle D=18mtr (12 Parts)
ST-C2000P12	ST Circle D=20mtr (12 Parts)

Connectors & Pins	
CS3-CON	Conical Connector for Truss Systems TT, XT, ST, FT
CS3-TP	Conical Truss Pin for Truss Systems TT, XT, ST, FT
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS3-TPS	Conical Truss Screw Pin for Truss Systems TT, XT, ST, FT
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD

FT50 TRUSS (Folding Truss 50-serie)

FT50…	one level constructions
FT50-100	FT50 Folding Truss Length 100cm
FT50-175	FT50 Folding Truss Length 175cm
FT50-250	FT50 Folding Truss Length 250cm
FT50-325	FT50 Folding Truss Length 325cm
FT50-400	FT50 Folding Truss Length 400cm

FT50…	Corners
FT50-L90	FT50 Folding Truss 90dgr 2-way corner 78,5x78,5cm
FT50-T	FT50 Folding Truss T-joint 3-way corner 100x78,5cm
FT50-X	FT50 Folding Truss X-joint 4-way corner 100x100cm

FT50…	Multi Corners
BLK-FT50	FT50 Folding Truss Corner Block 90 dgr in 4 dir.
BLK-A-FT50	FT50 Adapter for FT50 Corner Block *1 pce required per attachment*

Connectors & Pins	
CS3-CON	Conical Connector for Truss Systems TT, XT, ST, FT
CS3-TP	Conical Truss Pin for Truss Systems TT, XT, ST, FT
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS3-TPS	Conical Truss Screw Pin for Truss Systems TT, XT, ST, FT
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD

XD TRUSS (Rectangle Truss 40x29cm)

XD…	one level constructions
XD-050	XD Rectangle Truss Length 50cm
XD-100	XD Rectangle Truss Length 100cm
XD-150	XD Rectangle Truss Length 150cm
XD-200	XD Rectangle Truss Length 200cm
XD-250	XD Rectangle Truss Length 250cm
XD-300	XD Rectangle Truss Length 300cm
XD-350	XD Rectangle Truss Length 350cm
XD-400	XD Rectangle Truss Length 400cm

** Pin Position can be diagonal (code D) or horizontal (code H)*

XD…	Corners, one level construction
XD-L90	XD Rectangle Truss 90dgr 2-way corner 50x50cm
XD-T	XD Rectangle Truss T-joint 3-way corner 71x50cm
XD-T1	XD Rectangle Truss T-joint 3-way corner 71x42cm for comb. Sleeveblock
XD-X	XD Rectangle Truss X-joint 4-way corner 71x71cm

** Pin Position can be diagonal (code D) or horizontal (code H)*

XD…	Corners, two level construction up/down
XD-LD	XD Rectangle Truss 90dgr + down 3-way corner 50x50x50cm
XD-TD	XD Rectangle Truss T-joint + down 4-way corner 71x50x50cm
XD-XD	XD Rectangle Truss X-joint + down 5-way corner 71x71x50cm

** up / down attachment is HD/FD34*

*** Pin Position can be diagonal (code D) or horizontal (code H)*

XD…	Corner Blocks
BLK-XD	XD Square Truss Corner Block 90 dgr in 4 dir. *
CS2-BOB95	XD Truss - Bold on Receiver 95mm (on corner block)

* up / down attachment is HD/FD34

XD Circles	(incl. connectors and pins + Clips)
XD-C1000P8	XD Circle D=10mtr (8 Parts)
XD-C1200P8	XD Circle D=12mtr (8 Parts)
XD-C1400P12	XD Circle D=14mtr (12 Parts)
XD-C1600P12	XD Circle D=16mtr (12 Parts)
XD-C1800P12	XD Circle D=18mtr (12 Parts)
XD-C2000P12	XD Circle D=20mtr (12 Parts)

** Pin Position can be diagonal (code D) or horizontal (code H)*

Connectors & Pins	
CS2-CON	Conical Connector for Truss Systems XD (GD)
CS2-TP	Conical Truss Pin for Truss Systems XD (GD)
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS2-TPS	Conical Truss Screw Pin for Truss Systems XD (GD)
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD
CS2-SCON35	Bold on Screw Connector L=35mm+bold M12 for XD Serie

Product Listing: HD4x Truss

HD44 and HD43 Truss

HD44 TRUSS (Box Truss 40cm)

HD44...	one level constructions
HD44-035	HD44, Box Truss Length 35cm
HD44-050	HD44, Box Truss Length 50cm
HD44-100	HD44, Box Truss Length 100cm
HD44-150	HD44, Box Truss Length 150cm
HD44-200	HD44, Box Truss Length 200cm
HD44-250	HD44, Box Truss Length 250cm
HD44-300	HD44, Box Truss Length 300cm
HD44-350	HD44, Box Truss Length 350cm
HD44-400	HD44, Box Truss Length 400cm

HD44 corners	one level construction
HD44-L45	HD44 45 dgr corner 2-way 150x150cm
HD44-L60	HD44 60 dgr corner 2-way 100x100cm
HD44-L90	HD44 90 dgr corner 2-way 50x50cm
HD44-L120	HD44 120 dgr corner 2-way 50x50cm
HD44-L135	HD44 135 dgr corner 2-way 50x50cm
HD44-T	HD44 T-joint corner 3-way 60x50cm
HD44-T3	HD44 T-joint corner 3-way 60x54cm for sleeveblock combination
HD44-X	HD44 X-joint corner 4-way 60x60cm

HD44 corners	two level construction up/down
HD44-LD	HD44 90 dgr + down 3-way corner 50x50x50cm
HD44-TD	HD44 T-joint + down 4-way corner 60x50x50cm
HD44-XD	HD44 X-joint + down 5-way corner 60x60x50cm

HD44 corners	three level construction up/down
HD44-XUD	HD44 X-Joint + up + down 6-way corner 60x60x50x50cm

HD44 Circles	(incl. connectors and pins + Clips)
HD44-C0400P4	HD44 Circle D=4mtr (4 parts)
HD44-C0500P4	HD44 Circle D=5mtr (4 parts)
HD44-C0600P4	HD44 Circle D=6mtr (4 parts)
HD44-C0700P4	HD44 Circle D=7mtr (4 parts)
HD44-C0800P8	HD44 Circle D=8mtr (8 parts)
HD44-C0900P8	HD44 Circle D=9mtr (8 parts)
HD44-C1000P8	HD44 Circle D=10mtr (8 parts)

HD43 TRUSS (Triangular Truss 40cm)

HD43...	one level constructions
HD43-035A	HD43, Triangle Truss Length 35cm
HD43-050	HD43, Triangle Truss Length 50cm
HD43-100	HD43, Triangle Truss Length 100cm
HD43-150	HD43, Triangle Truss Length 150cm
HD43-200	HD43, Triangle Truss Length 200cm
HD43-250	HD43, Triangle Truss Length 250cm
HD43-300	HD43, Triangle Truss Length 300cm
HD43-350	HD43, Triangle Truss Length 350cm
HD43-400	HD43, Triangle Truss Length 400cm

HD43 corners	one level construction
HD43-L45	HD43 45 dgr corner 2-way 150x150cm
HD43-L60	HD43 60 dgr corner 2-way 100x100cm
HD43-L90	HD43 90 dgr corner 2-way 50x50cm
HD43-L120	HD43 120 dgr corner 2-way 50x50cm
HD43-L135	HD43 135 dgr corner 2-way 50x50cm
HD43-T	HD43 T-joint corner 3-way 60x50cm
HD43-X	HD43 X-joint corner 4-way 60x60cm

HD43 corners	two level construction up/down
HD43-D90	HD43 90 dgr down corner 2-way 50x50cm
HD43-U90	HD43 90 dgr up corner 2-way 50x50cm
HD43-LD L	HD43 90 dgr + down LEFT 3-way corner 50x50x50cm
HD43-LD R	HD43 90 dgr + down RIGHT 3-way corner 50x50x50cm
HD43-LU L	HD43 90 dgr + up LEFT 3-way corner 50x50x50cm
HD43-LU R	HD43 90 dgr + up RIGHT 3-way corner 50x50x50cm
HD43-TD L	HD43 T-joint + down LEFT 4-way corner 60x50x50cm
HD43-TD R	HD43 T-joint + down RIGHT 4-way corner 60x50x50cm
HD43-TU L	HD43 T-joint + up LEFT 4-way corner 60x50x50cm
HD43-TU R	HD43 T-joint + up RIGHT 4-way corner 60x50x50cm
HD43-XD	HD43 X-joint + down 5-way corner 60x60x50cm
HD43-XU	HD43 X-joint + up 5-way corner 60x60x50cm

HD43 Circles	(incl. connectors and pins + Clips)
HD43-C0400P4	HD43 Circle D=4mtr (4 parts)
HD43-C0500P4	HD43 Circle D=5mtr (4 parts)
HD43-C0600P4	HD43 Circle D=6mtr (4 parts)
HD43-C0700P4	HD43 Circle D=7mtr (4 parts)
HD43-C0800P8	HD43 Circle D=8mtr (8 parts)
HD43-C0900P8	HD43 Circle D=9mtr (8 parts)
HD43-C1000P8	HD43 Circle D=10mtr (8 parts)

Product Listing: HD4x Truss

HD42 and General HD4x Items

HD42 TRUSS (Ladder Truss 40cm)

HD42...	one level constructions
HD42-050	HD42 Ladder Truss Length 50cm
HD42-100	HD42 Ladder Truss Length 100cm
HD42-150	HD42 Ladder Truss Length 150cm
HD42-200	HD42 Ladder Truss Length 200cm
HD42-250	HD42 Ladder Truss Length 250cm
HD42-300	HD42 Ladder Truss Length 300cm
HD42-350	HD42 Ladder Truss Length 350cm
HD42-400	HD42 Ladder Truss Length 400cm

HD42 corners	one level construction (vertical position)
HD42-L45 * V	HD42 45 dgr corner 2-way 50x50cm
HD42-L60* V	HD42 60 dgr corner 2-way 50x50cm
HD42-L90* V	HD42 90 dgr corner 2-way 50x50cm
HD42-L120* V	HD42 120 dgr corner 2-way 50x50cm
HD42-L135* V	HD42 135 dgr corner 2-way 50x50cm
HD42-T* V	HD42 T-joint corner 3-way 60x50cm
HD42-X* V	HD42 X-joint corner 4-way 60x60cm

V= Vertical Position

HD42 Circles	*V – (incl. connectors and pins + Clips)
HD42-C0300P2	HD42 Circle D=3mtr (2 parts)
HD42-C0400P4	HD42 Circle D=4mtr (4 parts)
HD42-C0500P4	HD42 Circle D=5mtr (4 parts)
HD42-C0600P4	HD42 Circle D=6mtr (4 parts)
HD42-C0700P4	HD42 Circle D=7mtr (4 parts)
HD42-C0800P8	HD42 Circle D=8mtr (8 parts)
HD42-C0900P8	HD42 Circle D=9mtr (8 parts)
HD42-C1000P8	HD42 Circle D=10mtr (8 parts)

**V = Vertical Position*

GENERAL HD4X ITEMS

HD4x	Corners, Plates & Connectors, Special corners
BLK-44	HD/FD44 Cornerblock 1-6 dir.
CS1-BOB100	Bold on receiver L=100mm (4 (2) pcs = 1 attachment) for HD/FD44-42
BLK-42	HD/FD42 Cornerblock 1-6 dir.
CS1-BOB100	Bold on receiver L=100mm (4 (2) pcs = 1 attachment) for HD/FD44-42
BC-4X	Book Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD4x
SB-4X	Swivel Base (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD4x
SC-4X	Swivel Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD4x

Baseplates & Other Plates

PLB-44	HD/FD44 Baseplate
PLB-43	HD/FD43 Baseplate
PLB-42	HD/FD42 Baseplate
PLB-TOTEM	Totem Plate (steel) D=99cm, 80kg excl. 6/8x CS1-SCON25
PLB-MH-L	Adapter Plate Large incl. spacer set for moving head excl. 3/4x CS1-SCON25 *** available for several brands of moving heads*
PLB-FP	Foundation Baseplate for Box Truss excl. 4x CS1-SCON25/BOB72

Connectors & Pins

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
CS1-SCON25	Bold on Screw Connector L=25mm+bold M12 for HD/FD4x & 3x Serie
CS1-CON80	Spacer Connector L=80mm for Truss Serie HD, FD
CS1-CON50	Spacer Connector L=50mm for Truss Serie HD, FD
CS1-CON30	Spacer Connector L=30mm for Truss Serie HD, FD
CS1-CON15	Spacer Connector L=15mm for Truss Serie HD, FD
CS1-BUS90	Adapter Double Receiver L=90mm excl. Connector for HD, FD
CS1-BUS105	Adapter Double Receiver L=105mm excl. Connector for HD, FD

Product Listing: FD4x Truss

FD44 and FD43 Truss

FD44 TRUSS (Box Truss 40cm)

FD44...	one level constructions
FD44-035	FD44, Box Truss Length 35cm
FD44-050	FD44, Box Truss Length 50cm
FD44-100	FD44, Box Truss Length 100cm
FD44-150	FD44, Box Truss Length 150cm
FD44-200	FD44, Box Truss Length 200cm
FD44-250	FD44, Box Truss Length 250cm
FD44-300	FD44, Box Truss Length 300cm
FD44-350	FD44, Box Truss Length 350cm
FD44-400	FD44, Box Truss Length 400cm

FD44 corners	one level construction
FD44-L45	FD44 45 dgr corner 2-way 150x150cm
FD44-L60	FD44 60 dgr corner 2-way 100x100cm
FD44-L90	FD44 90 dgr corner 2-way 50x50cm
FD44-L120	FD44 120 dgr corner 2-way 50x50cm
FD44-L135	FD44 135 dgr corner 2-way 50x50cm
FD44-T	FD44 T-joint corner 3-way 60x50cm
FD44-T3	FD44 T-joint corner 3-way 60x54cm for sleeveblock combination
FD44-X	FD44 X-joint corner 4-way 60x60cm

FD44 corners	two level construction up/down
FD44-LD	FD44 90 dgr + down 3-way corner 50x50x50cm
FD44-TD	FD44 T-joint + down 4-way corner 60x50x50cm
FD44-XD	FD44 X-joint + down 5-way corner 60x60x50cm

FD44 corners	three level construction up/down
FD44-XUD	FD44 X-Joint + up + down 6-way corner 60x60x50x50cm

FD44 Circles	(incl. connectors and pins + Clips)
FD44-C0400P4	FD44 Circle D=4mtr (4 parts)
FD44-C0500P4	FD44 Circle D=5mtr (4 parts)
FD44-C0600P4	FD44 Circle D=6mtr (4 parts)
FD44-C0700P4	FD44 Circle D=7mtr (4 parts)
FD44-C0800P8	FD44 Circle D=8mtr (8 parts)
FD44-C0900P8	FD44 Circle D=9mtr (8 parts)
FD44-C1000P8	FD44 Circle D=10mtr (8 parts)

FD43 TRUSS (Triangular Truss 40cm)

FD43...	one level constructions
FD43-035A	FD43, Triangle Truss Length 35cm
FD43-050	FD43, Triangle Truss Length 50cm
FD43-100	FD43, Triangle Truss Length 100cm
FD43-150	FD43, Triangle Truss Length 150cm
FD43-200	FD43, Triangle Truss Length 200cm
FD43-250	FD43, Triangle Truss Length 250cm
FD43-300	FD43, Triangle Truss Length 300cm
FD43-350	FD43, Triangle Truss Length 350cm
FD43-400	FD43, Triangle Truss Length 400cm

FD43 corners	one level construction
FD43-L45	FD43 45 dgr corner 2-way 150x150cm
FD43-L60	FD43 60 dgr corner 2-way 100x100cm
FD43-L90	FD43 90 dgr corner 2-way 50x50cm
FD43-L120	FD43 120 dgr corner 2-way 50x50cm
FD43-L135	FD43 135 dgr corner 2-way 50x50cm
FD43-T	FD43 T-joint corner 3-way 60x50cm
FD43-X	FD43 X-joint corner 4-way 60x60cm

FD43 corners	two level construction up/down
FD43-D90	FD43 90 dgr down corner 2-way 50x50cm
FD43-U90	FD43 90 dgr up corner 2-way 50x50cm
FD43-LD L	FD43 90 dgr + down LEFT 3-way corner 50x50x50cm
FD43-LD R	FD43 90 dgr + down RIGHT 3-way corner 50x50x50cm
FD43-LU L	FD43 90 dgr + up LEFT 3-way corner 50x50x50cm
FD43-LU R	FD43 90 dgr + up RIGHT 3-way corner 50x50x50cm
FD43-TD L	FD43 T-joint + down LEFT 4-way corner 60x50x50cm
FD43-TD R	FD43 T-joint + down RIGHT 4-way corner 60x50x50cm
FD43-TU L	FD43 T-joint + up LEFT 4-way corner 60x50x50cm
FD43-TU R	FD43 T-joint + up RIGHT 4-way corner 60x50x50cm
FD43-XD	FD43 X-joint + down 5-way corner 60x60x50cm
FD43-XU	FD43 X-joint + up 5-way corner 60x60x50cm

FD43 Circles	(incl. connectors and pins + Clips)
FD43-C0400P4	FD43 Circle D=4mtr (4 parts)
FD43-C0500P4	FD43 Circle D=5mtr (4 parts)
FD43-C0600P4	FD43 Circle D=6mtr (4 parts)
FD43-C0700P4	FD43 Circle D=7mtr (4 parts)
FD43-C0800P8	FD43 Circle D=8mtr (8 parts)
FD43-C0900P8	FD43 Circle D=9mtr (8 parts)
FD43-C1000P8	FD43 Circle D=10mtr (8 parts)

Product Listing: FD4x Truss

FD42 and general FD4x Items

FD42 TRUSS (Ladder Truss 40cm)

FD42...	one level constructions
FD42-050	FD42 Ladder Truss Length 50cm
FD42-100	FD42 Ladder Truss Length 100cm
FD42-150	FD42 Ladder Truss Length 150cm
FD42-200	FD42 Ladder Truss Length 200cm
FD42-250	FD42 Ladder Truss Length 250cm
FD42-300	FD42 Ladder Truss Length 300cm
FD42-350	FD42 Ladder Truss Length 350cm
FD42-400	FD42 Ladder Truss Length 400cm

FD42 corners	one level construction (vertical position)
FD42-L45 * V	FD42 45 dgr corner 2-way 50x50cm
FD42-L60* V	FD42 60 dgr corner 2-way 50x50cm
FD42-L90* V	FD42 90 dgr corner 2-way 50x50cm
FD42-L120* V	FD42 120 dgr corner 2-way 50x50cm
FD42-L135* V	FD42 135 dgr corner 2-way 50x50cm
FD42-T* V	FD42 T-joint corner 3-way 60x50cm
FD42-X* V	FD42 X-joint corner 4-way 60x60cm

V= Vertical Position

FD42 Circles	*V – (incl. connectors and pins + Clips)
FD42-C0300P2	FD42 Circle D=3mtr (2 parts)
FD42-C0400P4	FD42 Circle D=4mtr (4 parts)
FD42-C0500P4	FD42 Circle D=5mtr (4 parts)
FD42-C0600P4	FD42 Circle D=6mtr (4 parts)
FD42-C0700P4	FD42 Circle D=7mtr (4 parts)
FD42-C0800P8	FD42 Circle D=8mtr (8 parts)
FD42-C0900P8	FD42 Circle D=9mtr (8 parts)
FD42-C1000P8	FD42 Circle D=10mtr (8 parts)

V= Vertical Position

GENERAL FD4X ITEMS

FD4x	Corners, Plates & Connectors, Special corners
BLK-44	HD/FD44 Cornerblock 1-6 dir.
CS1-BOB100	Bold on receiver L=100mm (4 pcs = 1 attachment) for HD/FD44-42
BLK-42	HD/FD42 Cornerblock 1-6 dir.
CS1-BOB100	Bold on receiver L=100mm (4 pcs = 1 attachment) for HD/FD44-42
BC-4X	Book Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD4x
SB-4X	Swivel Base (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD4x
SC-4X	Swivel Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD4x

Baseplates & Other Plates

PLB-44	HD/FD44 Baseplate
PLB-43	HD/FD43 Baseplate
PLB-42	HD/FD42 Baseplate
PLB-TOTEM	Totem Plate (steel) D=99cm, 80kg excl. 6/8x CS1-SCON25
PLB-MH-L	Adapter Plate Large incl. spacer set for moving head excl. 3/4x CS1-SCON25 *** available for several brands of moving heads*
PLB-FP	Foundation Baseplate for Box Truss excl. 4x CS1-SCON25/BOB72

Connectors & Pins

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
CS1-SCON25	Bold on Screw Connector L=25mm+bold M12 for HD/FD4x & 3x Serie
CS1-CON80	Spacer Connector L=80mm for Truss Serie HD, FD
CS1-CON50	Spacer Connector L=50mm for Truss Serie HD, FD
CS1-CON30	Spacer Connector L=30mm for Truss Serie HD, FD
CS1-CON15	Spacer Connector L=15mm for Truss Serie HD, FD
CS1-BUS90	Adapter Double Receiver L=90mm excl. Connector for HD, FD
CS1-BUS105	Adapter Double Receiver L=105mm excl. Connector for HD, FD

Product Listing: HD3x Truss

HD34 and HD33 Truss

HD34 TRUSS (Box Truss 29cm)

HD34...	one level constructions
HD34-025A	HD34, Box Truss Length 25cm
HD34-029	HD34, Box Truss Length 29cm
HD34-050	HD34, Box Truss Length 50cm
HD34-075	HD34, Box Truss Length 75cm
HD34-100	HD34, Box Truss Length 100cm
HD34-150	HD34, Box Truss Length 150cm
HD34-200	HD34, Box Truss Length 200cm
HD34-250	HD34, Box Truss Length 250cm
HD34-300	HD34, Box Truss Length 300cm
HD34-350	HD34, Box Truss Length 350cm
HD34-400	HD34, Box Truss Length 400cm

HD34 corners	one level construction
HD34-L45	HD34 45 dgr corner 2-way 100x100cm
HD34-L60	HD34 60 dgr corner 2-way 100x100cm
HD34-L90	HD34 90 dgr corner 2-way 50x50cm
HD34-L120	HD34 120 dgr corner 2-way 50x50cm
HD34-L135	HD34 135 dgr corner 2-way 50x50cm
HD34-T	HD34 T-joint corner 3-way 50x50cm
HD34-T1	HD34 T-joint corner 3-way 71x50cm
HD34-T3	HD34 T-joint corner 3-way 50x41cm for sleeveblock combination
HD34-X	HD34 X-joint corner 4-way 50x50cm
HD34-X1	HD34 X-joint corner 4-way 71x71cm

HD34 corners	two level construction up/down
HD34-LD	HD34 90 dgr + down 3-way corner 50x50x50cm
HD34-TD	HD34 T-joint + down 4-way corner 50x50x50cm
HD34-TD1	HD34 T-joint + down 4-way corner 71x50x50cm
HD34-XD	HD34 X-joint + down 5-way corner 50x50x50cm
HD34-XD1	HD34 X-joint + down 5-way corner 71x71x50cm

HD34 corners	three level construction up/down
HD34-XUD	HD34 X-Joint + up + down 6-way corner 50x50x50x50cm

HD34 Circles	(incl. connectors and pins + Clips)
HD34-C0300P2	HD34 Circle D=3mtr (2 parts)
HD34-C0400P4	HD34 Circle D=4mtr (4 parts)
HD34-C0500P4	HD34 Circle D=5mtr (4 parts)
HD34-C0600P4	HD34 Circle D=6mtr (4 parts)
HD34-C0700P4	HD34 Circle D=7mtr (4 parts)
HD34-C0800P8	HD34 Circle D=8mtr (8 parts)
HD34-C0900P8	HD34 Circle D=9mtr (8 parts)
HD34-C1000P8	HD34 Circle D=10mtr (8 parts)

HD33 TRUSS (Triangular Truss 29cm)

HD33...	one level constructions
HD33-025A	HD33, Triangle Truss Length 25cm
HD33-050	HD33, Triangle Truss Length 50cm
HD33-075	HD33, Triangle Truss Length 75cm
HD33-100	HD33, Triangle Truss Length 100cm
HD33-150	HD33, Triangle Truss Length 150cm
HD33-200	HD33, Triangle Truss Length 200cm
HD33-250	HD33, Triangle Truss Length 250cm
HD33-300	HD33, Triangle Truss Length 300cm
HD33-350	HD33, Triangle Truss Length 350cm
HD33-400	HD33, Triangle Truss Length 400cm

HD33 corners	one level construction
HD33-L45	HD33 45 dgr corner 2-way 100x100cm
HD33-L60	HD33 60 dgr corner 2-way 100x100cm
HD33-L90	HD33 90 dgr corner 2-way 50x50cm
HD33-L120	HD33 120 dgr corner 2-way 50x50cm
HD33-L135	HD33 135 dgr corner 2-way 50x50cm
HD33-050U	HD33 50cm with up corner 3-way 50x50cm
HD33-050D	HD33 50cm with down corner 3-way 50x50cm
HD33-T	HD33 T-joint corner 3-way 50x50cm
HD33-X	HD33 X-joint corner 4-way 50x50cm

HD33 corners	two level construction up/down
HD33-D90	HD33 90 dgr down corner 2-way 50x50cm
HD33-U90	HD33 90 dgr up corner 2-way 50x50cm
HD33-LD L	HD33 90 dgr + down LEFT 3-way corner 50x50x50cm
HD33-LD R	HD33 90 dgr + down RIGHT 3-way corner 50x50x50cm
HD33-LU L	HD33 90 dgr + up LEFT 3-way corner 50x50x50cm
HD33-LU R	HD33 90 dgr + up RIGHT 3-way corner 50x50x50cm
HD33-TD L	HD33 T-joint + down LEFT 4-way corner 50x50x50cm
HD33-TD R	HD33 T-joint + down RIGHT 4-way corner 50x50x50cm
HD33-TU L	HD33 T-joint + up LEFT 4-way corner 50x50x50cm
HD33-TU R	HD33 T-joint + up RIGHT 4-way corner 50x50x50cm
HD33-XD	HD33 X-joint + down 5-way corner 50x50x50cm
HD33-XU	HD33 X-joint + up 5-way corner 50x50x50cm

HD33 corners	three level construction up/down
HD33-050UD	HD33-050 + up + down corner 4-way 50x50x50cm
HD33-LDU L	HD33 90 dgr+up+down LEFT 4-way corner 50x50x50cm
HD33-LDU R	HD33 90 dgr + up + down RIGHT 4-way corner 50x50x50cm
HD33-TDU L	HD33 T-joint + up + down LEFT 5-way corner 50x50x50cm
HD33-TDU R	HD33 T-joint + up + down RIGHT 5-way corner 50x50x50cm
HD33-XUD	HD33 X-joint + up + down 6-way corner 50x50x50cm

HD33 Circles	(incl. connectors and pins + Clips)
HD33-C0300P2	HD33 Circle D=3mtr (2 parts)
HD33-C0400P4	HD33 Circle D=4mtr (4 parts)
HD33-C0500P4	HD33 Circle D=5mtr (4 parts)
HD33-C0600P4	HD33 Circle D=6mtr (4 parts)
HD33-C0700P4	HD33 Circle D=7mtr (4 parts)
HD33-C0800P8	HD33 Circle D=8mtr (8 parts)
HD33-C0900P8	HD33 Circle D=9mtr (8 parts)
HD33-C1000P8	HD33 Circle D=10mtr (8 parts)

Product Listing: HD3x Truss

HD32, General HD3x Items and HD31

HD32 TRUSS (Ladder Truss 29cm)

HD32...	one level constructions
HD32-050	HD32 Ladder Truss Length 50cm
HD32-075	HD32 Ladder Truss Length 75cm
HD32-100	HD32 Ladder Truss Length 100cm
HD32-150	HD32 Ladder Truss Length 150cm
HD32-200	HD32 Ladder Truss Length 200cm
HD32-250	HD32 Ladder Truss Length 250cm
HD32-300	HD32 Ladder Truss Length 300cm
HD32-350	HD32 Ladder Truss Length 350cm
HD32-400	HD32 Ladder Truss Length 400cm

HD32 corners	one level construction (horizontal or vertical position)
HD32-L45 * V/H	HD32 45 dgr corner 2-way 100x100cm
HD32-L60* V/H	HD32 60 dgr corner 2-way 100x100cm
HD32-L90* V/H	HD32 90 dgr corner 2-way 50x50cm
HD32-L120* V/H	HD32 120 dgr corner 2-way 50x50cm
HD32-L135* V/H	HD32 135 dgr corner 2-way 50x50cm
HD32-T* V/H	HD32 T-joint corner 3-way 50x50cm
HD32-X* V/H	HD32 X-joint corner 4-way 50x50cm

V= Vertical Position H=Horizontal Position

HD32 Circles	(incl. connectors and pins + Clips)
HD32-C0200P2	HD32 Circle D=2mtr (2 parts)
HD32-C0250P2	HD32 Circle D=2,5mtr (2 parts)
HD32-C0300P2	HD32 Circle D=3mtr (2 parts)
HD32-C0350P2	HD32 Circle D=3,5mtr (2 parts)
HD32-C0400P4	HD32 Circle D=4mtr (4 parts)
HD32-C0450P4	HD32 Circle D=4,5mtr (4 parts)
HD32-C0500P4	HD32 Circle D=5mtr (4 parts)
HD32-C0550P4	HD32 Circle D=5,5mtr (4 parts)
HD32-C0600P4	HD32 Circle D=6mtr (4 parts)

V= Vertical Position H=Horizontal Position

GENERAL HD3X ITEMS

HD3x	Corners, Plates & Connectors, Special corners
BLK-34	HD/FD34 Cornerblock 1-6 dir.
CS1-BOB105	Bold on receiver L=105mm (4 pcs = 1 attachment) for HD/FD34-32
CS-BOBA210	Attachment incl. brace for cornerblock L=210mm for HD/FD3x
BLK-32	HD/FD32 Cornerblock 1-6 dir.
CS-BOB105	Bold on receiver L=105mm (4 pcs = 1 attachment) for HD/FD34-32
BC-3X	Book Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD3x
SB-3X	Swivel Base (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD3x
SC-3X	Swivel Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD3x

Baseplates & Other Plates

PLB-34	HD/FD34 Baseplate
PLB-33	HD/FD33 Baseplate
PLB-32	HD/FD32 Baseplate
PLB-TOTEM	Totem Plate (steel) D=99cm, 80kg excl. CS-SCON25
PLB-MH-L	Adapter Plate Large incl. spacer set for moving head excl. CS-SCON25
PLB-MH-S	Adapter Plate Small incl. spacer set for moving head excl.CS-SCON25

*** available for several brands of moving heads*

PLB-FP	Foundation Baseplate for Box Truss excl. BOB's

Connectors & Pins

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
CS1-SCON25	Bold on Screw Connector L=25mm+bold M12 for HD/FD4x & 3x Serie
CS1-CON80	Spacer Connector L=80mm for Truss Serie HD, FD
CS1-CON50	Spacer Connector L=50mm for Truss Serie HD, FD
CS1-CON30	Spacer Connector L=30mm for Truss Serie HD, FD
CS1-CON15	Spacer Connector L=15mm for Truss Serie HD, FD
CS1-BUS90	Adapter Double Receiver L=90mm excl. Connector for HD, FD
CS1-BUS105	Adapter Double Receiver L=105mm excl. Connector for HD, FD

HD31 TUBE TRUSS (Single Tube 3mm)

HD31 Tube Truss	(Single Tube 3mm incl. receivers)
HD31-050	HD31 50cm
HD31-100	HD31 100cm
HD31-200	HD31 200cm
HD31-300	HD31 300cm
HD31-400	HD31 400cm

Product Listing: FD3x Truss

FD34 and FD33 Truss

FD34 TRUSS (Box Truss 29cm)

FD34...	one level constructions
FD34-025A	FD34, Box Truss Length 25cm
FD34-029	FD34, Box Truss Length 29cm
FD34-050	FD34, Box Truss Length 50cm
FD34-075	FD34, Box Truss Length 75cm
FD34-100	FD34, Box Truss Length 100cm
FD34-150	FD34, Box Truss Length 150cm
FD34-200	FD34, Box Truss Length 200cm
FD34-250	FD34, Box Truss Length 250cm
FD34-300	FD34, Box Truss Length 300cm
FD34-350	FD34, Box Truss Length 350cm
FD34-400	FD34, Box Truss Length 400cm

FD34 corners	one level construction
FD34-L45	FD34 45 dgr corner 2-way 100x100cm
FD34-L60	FD34 60 dgr corner 2-way 100x100cm
FD34-L90	FD34 90 dgr corner 2-way 50x50cm
FD34-L120	FD34 120 dgr corner 2-way 50x50cm
FD34-L135	FD34 135 dgr corner 2-way 50x50cm
FD34-T	FD34 T-joint corner 3-way 50x50cm
FD34-T1	FD34 T-joint corner 3-way 71x50cm
FD34-T3	FD34 T-joint corner 3-way 50x41cm for sleeveblock combination
FD34-X	FD34 X-joint corner 4-way 50x50cm
FD34-X1	FD34 X-joint corner 4-way 71x71cm

FD34 corners	two level construction up/down
FD34-LD	FD34 90 dgr + down 3-way corner 50x50x50cm
FD34-TD	FD34 T-joint + down 4-way corner 50x50x50cm
FD34-TD1	FD34 T-joint + down 4-way corner 71x50x50cm
FD34-XD	FD34 X-joint + down 5-way corner 50x50x50cm
FD34-XD1	FD34 X-joint + down 5-way corner 71x71x50cm

FD34 corners	three level construction up/down
FD34-XUD	FD34 X-Joint + up + down 6-way corner 50x50x50x50cm

FD34 Circles	(incl. connectors and pins + Clips)
FD34-C0300P2	FD34 Circle D=3mtr (2 parts)
FD34-C0400P4	FD34 Circle D=4mtr (4 parts)
FD34-C0500P4	FD34 Circle D=5mtr (4 parts)
FD34-C0600P4	FD34 Circle D=6mtr (4 parts)
FD34-C0700P4	FD34 Circle D=7mtr (4 parts)
FD34-C0800P8	FD34 Circle D=8mtr (8 parts)
FD34-C0900P8	FD34 Circle D=9mtr (8 parts)
FD34-C1000P8	FD34 Circle D=10mtr (8 parts)

FD33 TRUSS (Triangular Truss 29cm)

FD33...	one level constructions
FD33-025A	FD33, Triangle Truss Length 25cm
FD33-050	FD33, Triangle Truss Length 50cm
FD33-075	FD33, Triangle Truss Length 75cm
FD33-100	FD33, Triangle Truss Length 100cm
FD33-150	FD33, Triangle Truss Length 150cm
FD33-200	FD33, Triangle Truss Length 200cm
FD33-250	FD33, Triangle Truss Length 250cm
FD33-300	FD33, Triangle Truss Length 300cm
FD33-350	FD33, Triangle Truss Length 350cm
FD33-400	FD33, Triangle Truss Length 400cm

FD33 corners	one level construction
FD33-L45	FD33 45 dgr corner 2-way 100x100cm
FD33-L60	FD33 60 dgr corner 2-way 100x100cm
FD33-L90	FD33 90 dgr corner 2-way 50x50cm
FD33-L120	FD33 120 dgr corner 2-way 50x50cm
FD33-L135	FD33 135 dgr corner 2-way 50x50cm
FD33-050U	FD33 50cm with up corner 3-way 50x50cm
FD33-050D	FD33 50cm with down corner 3-way 50x50cm
FD33-T	FD33 T-joint corner 3-way 50x50cm
FD33-X	FD33 X-joint corner 4-way 50x50cm

FD33 corners	two level construction up/down
FD33-D90	FD33 90 dgr down corner 2-way 50x50cm
FD33-U90	FD33 90 dgr up corner 2-way 50x50cm
FD33-LD L	FD33 90 dgr + down LEFT 3-way corner 50x50x50cm
FD33-LD R	FD33 90 dgr + down RIGHT 3-way corner 50x50x50cm
FD33-LU L	FD33 90 dgr + up LEFT 3-way corner 50x50x50cm
FD33-LU R	FD33 90 dgr + up RIGHT 3-way corner 50x50x50cm
FD33-TD L	FD33 T-joint + down LEFT 4-way corner 50x50x50cm
FD33-TD R	FD33 T-joint + down RIGHT 4-way corner 50x50x50cm
FD33-TU L	FD33 T-joint + up LEFT 4-way corner 50x50x50cm
FD33-TU R	FD33 T-joint + up RIGHT 4-way corner 50x50x50cm
FD33-XD	FD33 X-joint + down 5-way corner 50x50x50cm
FD33-XU	FD33 X-joint + up 5-way corner 50x50x50cm

FD33 corners	three level construction up/down
FD33-050UD	FD33-050 + up + down corner 4-way 50x50x50cm
FD33-LDU L	FD33 90 dgr + up + down LEFT 4-way corner 50x50x50cm
FD33-LDU R	FD33 90 dgr + up + down RIGHT 4-way corner 50x50x50cm
FD33-TDU L	FD33 T-joint + up + down LEFT 5-way corner 50x50x50cm
FD33-TDU R	FD33 T-joint + up + down RIGHT 5-way corner 50x50x50cm
FD33-XUD	FD33 X-joint + up + down 6-way corner 50x50x50cm

FD33 Circles	(incl. connectors and pins + Clips)
FD33-C0300P2	FD33 Circle D=3mtr (2 parts)
FD33-C0400P4	FD33 Circle D=4mtr (4 parts)
FD33-C0500P4	FD33 Circle D=5mtr (4 parts)
FD33-C0600P4	FD33 Circle D=6mtr (4 parts)
FD33-C0700P4	FD33 Circle D=7mtr (4 parts)
FD33-C0800P8	FD33 Circle D=8mtr (8 parts)
FD33-C0900P8	FD33 Circle D=9mtr (8 parts)
FD33-C1000P8	FD33 Circle D=10mtr (8 parts)

Product Listing: FD3x Truss

FD32, General FD3x Items and FD31

FD32 TRUSS (Ladder Truss 29cm)

FD32...	one level constructions
FD32-050	FD32 Ladder Truss Length 50cm
FD32-075	FD32 Ladder Truss Length 75cm
FD32-100	FD32 Ladder Truss Length 100cm
FD32-150	FD32 Ladder Truss Length 150cm
FD32-200	FD32 Ladder Truss Length 200cm
FD32-250	FD32 Ladder Truss Length 250cm
FD32-300	FD32 Ladder Truss Length 300cm
FD32-350	FD32 Ladder Truss Length 350cm
FD32-400	FD32 Ladder Truss Length 400cm

FD32 corners	one level construction (horizontal or vertical position)
FD32-L45 * V/H	FD32 45 dgr corner 2-way 100x100cm
FD32-L60* V/H	FD32 60 dgr corner 2-way 100x100cm
FD32-L90* V/H	FD32 90 dgr corner 2-way 50x50cm
FD32-L120* V/H	FD32 120 dgr corner 2-way 50x50cm
FD32-L135* V/H	FD32 135 dgr corner 2-way 50x50cm
FD32-T* V/H	FD32 T-joint corner 3-way 50x50cm
FD32-X* V/H	FD32 X-joint corner 4-way 50x50cm

V= Vertical Position H=Horizontal Position

FD32 Circles	(incl. connectors and pins + Clips)
FD32-C0200P2	FD32 Circle D=2mtr (2 parts)
FD32-C0250P2	FD32 Circle D=2,5mtr (2 parts)
FD32-C0300P2	FD32 Circle D=3mtr (2 parts)
FD32-C0350P2	FD32 Circle D=3,5mtr (2 parts)
FD32-C0400P4	FD32 Circle D=4mtr (4 parts)
FD32-C0450P4	FD32 Circle D=4,5mtr (4 parts)
FD32-C0500P4	FD32 Circle D=5mtr (4 parts)
FD32-C0550P4	FD32 Circle D=5,5mtr (4 parts)
FD32-C0600P4	FD32 Circle D=6mtr (4 parts)

V= Vertical Position H=Horizontal Position

GENERAL FD3X ITEMS

FD3x	Corners, Plates & Connectors, Special corners
BLK-34	HD/FD34 Cornerblock 1-6 dir.
CS1-BOB105	Bold on receiver L=105mm (4 (2) pcs = 1 attachment) for HD/FD34-32
CS1-BOBA210	Attachment incl. brace for cornerblock L=210mm for HD/FD3x
BLK-32	HD/FD32 Cornerblock 1-6 dir.
CS1-BOB105	Bold on receiver L=105mm (4 (2) pcs = 1 attachment) for HD/FD34-32
BC-3X	Book Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD3x
SB-3X	Swivel Base (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD3x
SC-3X	Swivel Corner (steel) 0-180 ° variable excl. CS1-SCON25 for HD/FD3x

Baseplates & Other Plates

PLB-34	HD/FD34 Baseplate
PLB-33	HD/FD33 Baseplate
PLB-32	HD/FD32 Baseplate
PLB-TOTEM	Totem Plate (steel) D=99cm, 80kg excl. CS1-SCON25
PLB-MH-L	Adapter Plate Large incl. spacer set for moving head excl. CS1-SCON25
PLB-MH-S	Adapter Plate Small incl. spacer set for moving head excl.CS1-SCON25

*** available for several brands of moving heads*

PLB-FP	Foundation Baseplate for Box Truss excl. BOB's

Connectors & Pins

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
CS1-SCON25	Bold on Screw Connector L=25mm+bold M12 for HD/FD4x & 3x Serie
CS1-CON80	Spacer Connector L=80mm for Truss Serie HD, FD
CS1-CON50	Spacer Connector L=50mm for Truss Serie HD, FD
CS1-CON30	Spacer Connector L=30mm for Truss Serie HD, FD
CS1-CON15	Spacer Connector L=15mm for Truss Serie HD, FD
CS1-BUS90	Adapter Double Receiver L=90mm excl. Connector for HD, FD
CS1-BUS105	Adapter Double Receiver L=105mm excl. Connector for HD, FD

FD31 TUBE TRUSS (Single Tube 2mm)

FD31 Tube Truss	(Single Tube 2mm incl. receivers)
FD31-050	FD31 50cm
FD31-100	FD31 100cm
FD31-200	FD31 200cm
FD31-300	FD31 300cm
FD31-400	FD31 400cm

ACCESSORIES FOR ALL SYSTEMS

Connectors, Pins, Clips & Spacers

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
CS1-SCON25	Bold on Screw Connector L=25mm+bold M12 for HD/FD4x & 3x Serie
CS1-CON80	Spacer Connector L=80mm for Truss Serie HD, FD
CS1-CON50	Spacer Connector L=50mm for Truss Serie HD, FD
CS1-CON30	Spacer Connector L=30mm for Truss Serie HD, FD
CS1-CON15	Spacer Connector L=15mm for Truss Serie HD, FD
CS1-BUS90	Adapter Double Receiver L=90mm excl. Connector for HD, FD
CS1-BUS105	Adapter Double Receiver L=105mm excl. Connector for HD, FD
CS1-CSLD34	Light Duty Var. Conn. Set 0-180 dgr for HD/FD34
CS2-CON	Conical Connector for Truss Systems XD (GD)
CS2-TP	Conical Truss Pin for Truss Systems XD (GD)
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS2-TPS	Conical Truss Screw Pin for Truss Systems XD (GD)
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD
CS2-SCON35	Bold on Screw Connector L=35mm+bold M12 for XD Serie
CS3-CON	Conical Connector for Truss Systems TT, XT, ST, FT
CS3-TP	Conical Truss Pin for Truss Systems TT, XT, ST, FT
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS3-TPS	Conical Truss Screw Pin for Truss Systems TT, XT, ST, FT
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD

Bold on Twist Joints

CS1-DC10	Att. HD/FD <-> Bold on Twistjoint 10cm
CS1-DC10S	Att. HD/FD <-> Bold on Twistjoint 10cm Slimline
CS1-DC10,5	Att. HD/FD <-> Bold on Twistjoint 10,5cm
CS1-DC10,5S	Att. HD/FD <-> Bold on Twistjoint 10,5cm Slimline
CS1-DC12	Att. HD/FD <-> Bold on Twistjoint 12cm
CS1-DC12S	Att. HD/FD <-> Bold on Twistjoint 12cm Slimline
CS1-DC14	Att. HD/FD <-> Bold on Twistjoint 14cm
CS1-DC14S	Att. HD/FD <-> Bold on Twistjoint 14cm Slimline
CS1-DC21	Att. HD/FD <-> Bold on Twistjoint 21cm
CS1-DC21S	Att. HD/FD <-> Bold on Twistjoint 21cm Slimline
CS1-DC33S	Att. HD/FD <-> Bold on Twistjoint 33cm Slimline
CS2-DC13	Att. XD <-> Bold on Twistjoint 13cm
CS2-DC21	Att. XD <-> Bold on Twistjoint 21cm

Bold on Receivers

CS1-BOB210	Bold on receiver L=210mm (4 (2) pcs = 1 attachment) for HD/FD34-32
CS1-BOB105	Bold on receiver L=105mm (4 (2) pcs = 1 attachment) for HD/FD34-32
CS1-BOB100	Bold on receiver L=100mm (4 (2) pcs = 1 attachment) for HD/FD44-42
CS1-BOB-A210	Attachment incl. brace for cornerblock L=210mm for HD/FD3x *(1 pce CS1-A210 is equal to 4 pcs CS1-BOB210)*
CS2-BOB95	XD Truss - Bold on Receiver 95mm (on corner block)
CS3-BOB85	TT, XT, ST Truss - Bold on Receiver 85mm (on corner / sleeve block)

Hinges and Hinge Parts

CS1-HS-L	Hingeset (single tube) l=100mm RIGHT for HD, FD & TD44-35 Tower
CS1-HS-R	Hingeset (single tube) l=100mm LEFT for HD, FD & TD44-35 Tower
CS1-HS-BO M	Hingepart Bold on male for HD, FD Serie
CS1-HS-BO	Hingepart Bold on female for HD, FD Serie
CS1-DB340	Distance bar L=390mm (135 Dgr) for HD, FD 3X Serie
CS1-DB241	Distance bar L=291mm (120 Dgr) for HD, FD 3X Serie
CS1-DB184	Distance bar L=234mm (90 Dgr) for HD, FD 3X Serie
CS1-DB495	Distance bar L=545mm (90 Dgr) for HD, FD 4X Serie
CS1-DB350	Distance bar L=400mm (120 Dgr) for HD, FD 4X Serie
ACC-DB267.8	Distance bar L=317,8mm (135 Dgr) for HD, FD 4X Serie
CS1-HSP-M L	Hingepart male left for HD, FD Serie
CS1-HSP-M R	Hingepart male right for HD, FD Serie
CS1-HSP-F L	Hingepart female left for HD, FD Serie
CS1-HSP-F R	Hingepart female right for HD, FD Serie
CS1-PIN01	Pin 16 mm for HS and hinges

Plates & Baseplates

PLB-34	HD/FD34 Baseplate
PLB-33	HD/FD33 Baseplate
PLB-32	HD/FD32 Baseplate
PLB-44	HD/FD44 Baseplate
PLB-43	HD/FD43 Baseplate
PLB-42	HD/FD42 Baseplate
PLB-TOTEM	Totem Plate (steel) D=99cm, 80kg excl. 6/8x CS1-SCON25
PLB-MH-L	Adapter Plate Large incl. spacer set for moving head excl. 3/4x CS1-SCON25
PLB-MH-S	Adapter Plate Small incl. spacer set for moving head excl. 3/4x CS1-SCON25 *** available for several brands of moving heads*
PLB-FP	Foundation Baseplate for Box Truss excl. 4x CS1-SCON25/BOB72

Hanging Adapters

DC-PF	Bold on clamp 1-point hanging
DCB3-PF	2-point bold on bar HD/FD3x / XD hanging
DCB4-PF	2-point bold on bar FD4x hanging
DCB5-PF	2-point bold on bar ST hanging
DCB6-PF	2-point bold on bar FT hanging
DCB7-PF	2-point bold on bar XT hanging
DCB8-PF	2-point bold on bar TT hanging

Couplers & Clamps

DC-CR20	Truss Clamp 16-20mm
DC-CR50	Truss Clamp 48-51mm
DC-HC	Half Coupler 50mm
DC-HC-SE	Half Coupler 50mm Side Entry
DC-SC	Half Coupler Slimline
DC-SC-SE	Slimline Coupler Side Entry
DC-DC	Double bold on Twist Joint , swivel coupler 50mm
DC-DC-SC	Double bold on Twist Joint Slimeline 30mm
DC-DC-TD	Double bold on swiveljoint 50mm
DC-HC60	60mm Halfcoupler Clamp Doughty
DC-DC1	60mm Swivel coupler Doughty 2x halfcouplers 60mm
DC-DC2	60mm Swivel coupler Doughty coupler 50mm <-> coupler 60mm

Hook on Bars & Stabilizer Bars

HCHC-100	Hook on Bar 100cm
HCHC-200	Hook on Bar 200cm
HCHC-300	Hook on Bar 300cm
KCKC-070	Bold on Cornerbrace 70cm
KCKC-140	Bold on Cornerbrace 140cm
KCKC-200	Bold on Cornerbrace 200cm
KCKC-300	Bold on Cornerbrace 300cm
KCKC-400	Bold on Cornerbrace 400cm

Follow Spot Chair

FL-SPCH	Follow Spot Chair

Single Tubes excl. receivers

TB-50x4	Single Tube 50x4mm per mtr
TB-50x3	Single Tube 50x3mm per mtr
TB-50x2	Single Tube 50x2mm per mtr

**available in 2mm, 3mm and 4mm wall thickness*

RIGGING ACCESSORIES

Rigging Wear

RT-RG-LED	Rigging glove with LED light
RT-RG-REG	Rigging glove
RT-RG-WF	Rigging glove without fingers
RT-HAR-CP1	Working/safety Harness Complete small
RT-HAR-CP2	Working/safety Harness Complete large
RT-SH-VB	Safety Helmet Vertex Best yellow A16Y

Rigging Tools

RT-CS-13	Combination spanner 13mm (M8 Hexagon head screw)
RT-CS-17	Combination spanner 17mm
RT-CS-19	Combination spanner 19mm
RT-S12-S13	Socket 1/2" 13mm (M8 Hexagon head srew)
RT-S12-S17	Socket 1/2" 17mm (M10 hexagon head screw)
RT-S12-S19	Socket 1/2" 19mm (M12 hexagon head screw)
RT-S12-S24	Socket 1/2" 24mm (M16 hexagon head srew)
RT-S12-RT	Ratchet 1/2" reversible
RT-S12-SD10	Hex head driver 1/2" 10mm
RT-S12-SD14	Hex head driver 1/2" 14mm
RT-S12-E76	Extension 1/2" 76mm
RT-S12-E125	Extension 1/2" 125mm
RT-S12-TW	Torque wrench 1/2" 20-200Nm
RT-BOX	Toolbox
RT-PL-CB	Combination pliers
RT-PL-SC	Side cutter pliers
RT-SLL-ST	Automatic self-leveling rotary Laser RL-250GL
RT-TP-ST	Tripod for rotary Laser 150cm
RT-DL-ST	Distance laser measuring tool TLM-130
RT-WWS	Windwarning meter complete
RT-HAM-40	Recoilless Hammer 2 nylon caps 820 gr
RT-CAP-40	Spare Cap for recoilles hammer d=40mm
RT-HAM-40C	Hammer combi nylon/steel caps 820 gr
RT-HAM-LH	Layher Hammer 600gr

Beam Clamps

RT-BC2	Beam clamp 2 Ton beam width 75mm-220mm
RT-BC3	Beam clamp 3 Ton beam width 80mm-320mm

Variable Chain Sets

RT-CH10-01	Variable chainset l=2mtr with ring, hook and turnbuckle WLL 3,15ton
RT-CH10-02	Variable chainset l=2mtr with ring, hook WLL 3,15ton
RT-CH8-01	Variable chainset l=1,5mtr with ring and hook WLL 2ton
RT-CH10-03	Variable chainset l=4mtr with 2x ring and turnbuckle WLL 3,15ton
RT-CH8-02	Variable chainset l=4mtr with 2xring and turnbuckle WLL 2ton
RT-CH6-01	Variable chainset l=4mtr with 2xring and turnbuckle WLL 1,12ton

Shackles & O-Rings

RT-AS-2T	Anchor shackle with screw collar pin 2 ton
RT-AS-3,25T	Anchor shackle (safety) bolt type 3,25 ton
RT-AS-4,75T	Anchor shackle (safety) bolt type 4,75 ton
RT-OR-2T	O-Ring 2ton
RT-OR-3T	O-Ring 3ton

Spanbands, Round Slings & Steels

RT-SB5-12M	Ratchet spanbandset 5ton l=12mtr
RT-SB5-15M	Ratchet spanbandset 5ton l=15mtr
RT-SB5-25M	Ratchet spanbandset 5ton l=25mtr
RT-RS2-1M	Roundsling 2 ton l=1mtr (double)
RT-RS2-2M	Roundsling 2 ton l=2mtr (double)
RT-RS2-3M	Roundsling 2 ton l=3mtr (double)
RT-RSS2-1M	Steelcovered roundsling 2 ton l=1mtr (double)
RT-RSS2-2M	Steelcovered roundsling 2 ton l=2mtr (double)
RT-RSS2-3M	Steelcovered roundsling 2 ton l=3mtr (double)

WIND UP STANDS

Steel Wind Up Stands — Colour Black

DLB-03	Steel Lift H=4,8m Load=150kg Self Weight=63kg
DLB-04	Steel Lift H=5,5m Load=220kg Self Weight=104kg
DLB-02	Steel Lift H=6,5m Load=200kg Self Weight=105kg
DRF-05	T-Bar on steel lifts size: 290mm
DRF-06	T-Bar on steel lifts size: 250mm - 500mm
DRF-07	T-Bar on steel lift DLB-02

Aluminium Wind Up Stands — Colour Black

DLB-05	Aluminium Lift H=6m Load=180kg Self Weight=55kg
DLB-06	Aluminium Lift H=4,5m Load=120kg Self Weight=50kg
DLB-07	Aluminium Lift H=3,8m Load=100kg Self Weight=30kg
DRF-010	T-Bar on aluminium lifts DLB-05/06 with mast 28mm
DRF-011	T-Bar on aluminium lifts DLB-07 with mast 35mm

Accessories

DRF-BAR1	Bar for mounting 6 or 12 lights on 35mm mast L=150cm (30x30mm ø)
DRF-BAR3	Bar for mounting 6 or 12 lights on 35mm mast L=150cm (50mm ø round)
DRF-AD-350	Adapter extension for lift es-350 to change mast into round 35mm
DRF-ASP	Adapter extension for mast 35mm round into sigot holder 28mm (black)
DRF-C1	Male Saucer 3mm D=120mm with M10 Thread, fixation point for speaker

Product Listing: Tower Systems

TD50 Tower and TD44 Tower

TD50 TOWER

Tower Parts

BASE-03	TD50 Heavy Steel Base Black incl. wheels,
OUTR-L03	Long Outrigger Steel Black
OUTR-S03	Short Outrigger Steel Black
STAB-03	Stabilizer Bar for long outrigger at steel base
CS0-HS-R	Hinge Set (single tube) l=100mm right (2 pcs per tower) for TD50 Tower
CS0-HS-L	Hinge Set (single tube) l=100mm left (2 pcs per tower) for TD50 Tower
SL-SB50-TT	Cornerblock Sleeve for TT truss on TD50 Tower
SL-AD-TD50	Sleeveplate incl. wheels
SL-AD-TD50-H	Sleeveplate incl. wheels + hanging point (TT)
SL-SB50-XT	Cornerblock Sleeve for XT truss on TD50 Tower
SL-AD-TD50	Sleeveplate incl. wheels
SL-AD-TD50-H	Sleeveplate incl. wheels + hanging point (XT)
SL-SLAD-FT100	Sleeve Block Adapter Frame for FT100 Series on TT Sleeve Block
CS3-BOB85	TT, XT, ST Truss - Bold on Receiver 85mm (on corner / sleeve block) *** 4 pcs required per attachment*
CS3-SCON35	Bold on Screw Connector 35mm for FT100 Sleeveblock Adapter (2 pcs)
TOP50-1	TD50 Top Section for 1 Ton Chainhoist
TOP50-2	TD50 Top Section for 2 Ton Chainhoist

Tower Truss Lengths (Box Truss 51cm)

TD50-100	TD50 Tower Mast L=100cm (one side ladders)
TD50-117	TD50 Tower Mast L=117cm (one side ladders)
TD50-150	TD50 Tower Mast L=150cm (one side ladders)
TD50-200	TD50 Tower Mast L=200cm (one side ladders)
TD50-250	TD50 Tower Mast L=250cm (one side ladders)
TD50-300	TD50 Tower Mast L=300cm (one side ladders)
TD50-400	TD50 Tower Mast L=400cm (one side ladders)

Tower Accessories

CS3-CON	Conical Connector for Truss Systems TT, XT, ST, FT
CS3-TP	Conical Truss Pin for Truss Systems TT, XT, ST, FT
CS3-RS3	R-Clip 3mm for Truss Systems TT, XT, ST, FT, XD (GD)
CS3-TPS	Conical Truss Screw Pin for Truss Systems TT, XT, ST, FT
CS3-NUT	M10 Nut for Conical Screw Pin for Truss Systems TT, XT, ST, FT, XD
TES50-01	Tower Erecting System for TD50 Tower in combination with TT or XT
TES50-02	Tower Erecting System for TD50 Tower in combination with FT100

TD44 TOWER

Tower Parts

BASE-02	Professional Steel Base Black incl. wheels and BOB77
OUTR-L02	Long Outrigger Steel Black
OUTR-S02	Short Outrigger Steel Black
STAB-02	Stabilizer Bar for long outrigger at steel base
FD44-BPR	Aluminium Professional Base for TD/HD/FD44
FD44-BPTR	Aluminium Touring Base incl. wheels, 4x short outrigger for TD/HD/FD44
FD44-ORBPR	Long Outrigger for Aluminium TD/HD/FD44 Probase
FD44-ORBTR	Short Outrigger for Aluminium TD/HD/FD44 Probase
CS1-HS-L	Hingeset (single tube) l=100mm RIGHT for TD44/35/34 Tower
CS1-HS-R	Hingeset (single tube) l=100mm LEFT for TD44/35/34 Tower
SL-SB44-TT	Cornerblock Sleeve for TT truss
SL-AD-TD44	Sleeveplate incl. wheels
SL-ADTT-TD44H	Sleeveplate incl. wheels + hanging point (TT)
SL-SB44-XT	Cornerblock Sleeve for XT truss
SL-AD-TD44	Sleeveplate incl. wheels
SL-ADXT-TD44H	Sleeveplate incl. wheels + hanging point (XT)
SL-AD-FT100	Sleeve Block Adapter Frame for FT100 Series on TT Sleeve Block
CS3-BOB85	TT, XT, ST Truss - Bold on Receiver 85mm (on corner / sleeve block) *** 4 pcs required per attachment*
CS3-SCON	Bold on Screw Connector for FT100 Sleeveblock Adapter Frame (2 pcs)
FD44-SB3	TD/HD/FD44 Sleeveblock 3 Att. HD/FD44
FD44-SB3-ST	FD44 Sleeveblock 3att. ST
FD44-SB3-XD	FD44 Sleeveblock 3att. XD
FD44-SB3-FT	FD44 Sleeveblock 3att. FT
TOP44-1	FD44 Universal Toppart for Motors (NEW) for 1 Ton Chain Hoists

Tower Truss Lengths (Box Truss 40cm)

TD44-100	TD44 Tower Mast L=100cm (one side ladders)
TD44-117	TD44 Tower Mast L=117cm (one side ladders)
TD44-150	TD44 Tower Mast L=150cm (one side ladders)
TD44-200	TD44 Tower Mast L=200cm (one side ladders)
TD44-250	TD44 Tower Mast L=250cm (one side ladders)
TD44-300	TD44 Tower Mast L=300cm (one side ladders)
TD44-400	TD44 Tower Mast L=400cm (one side ladders)

Tower Accessories

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
TES44-01	Tower Erecting System for TD44 Tower in combination with TT or XT
TES44-02	Tower Erecting System for TD44 Tower in combination with FT100

Product Listing: Tower Systems

TD35 Tower and HD/FD34 Tower

TD35 TOWER

Tower Parts

BASE-02	Professional Steel Base Black incl. wheels and BOB77
OUTR-L02	Long Outrigger Steel Black
OUTR-S02	Short Outrigger Steel Black
STAB-02	Stabilizer Bar for long outrigger at steel base (using 50cm in tower)
STAB-01	Stabilizer Bar for long outrigger at steel base (using 75cm in tower)
CS1-HS-L	Hingeset (single tube) l=100mm RIGHT for TD44/35/34 Tower
CS1-HS-R	Hingeset (single tube) l=100mm LEFT for TD44/35/34 Tower
SL-SB35-ST	Cornerblock Sleeve for ST Truss Attachment
SL-AD-TD35	Sleeve Plate incl. wheels and bolts (1 pce per tower)
SL-AD-TD35-H	Sleeve Plate incl. wheels and bolts + Hanging (1 pce per tower)
CS3-BOB85	TT, XT, ST Truss - Bold on Receiver 85mm (on corner / sleeve block) *** 4 pcs required per attachment*
TOP35-1	Top Section combi motor/manual chain hoist for TD35 Tower (1 Ton)

Tower Truss Lengths **(Box Truss 35cm)**

TD35-075	TD35 Tower Mast L=075cm (one side ladders)
TD35-100	TD35 Tower Mast L=100cm (one side ladders)
TD35-150	TD35 Tower Mast L=150cm (one side ladders)
TD35-200	TD35 Tower Mast L=200cm (one side ladders)
TD35-250	TD35 Tower Mast L=250cm (one side ladders)
TD35-300	TD35 Tower Mast L=300cm (one side ladders)
TD35-400	TD35 Tower Mast L=400cm (one side ladders)

Tower Accessories

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
TES35-01	Tower Erecting System for TD35 Tower in combi. ST

HD/FD 34 TOWER

Tower Parts

BASE-01	Professional Steel Base Black incl. wheels and BOB77
OUTR-L01	Long Outrigger Steel Black
OUTR-S01	Short Outrigger Steel Black
STAB-01	Stabilizer Bar for long outrigger at steel base
FD34-BPR	Aluminium Professional Base for HD/FD34
FD34-ORBPR	Long Outrigger for Aluminium HD/FD34 Probase
FD34-ORBTR	Short Outrigger for Aluminium HD/FD34 Probase
FD34-BPTR	Aluminium Touring Base incl. wheels, 4x short outrigger for HD/FD34
CS1-HS-L	Hingeset (single tube) l=100mm RIGHT for TD44/35/34 Tower
CS1-HS-R	Hingeset (single tube) l=100mm LEFT for TD44/35/34 Tower
FD34-SB2	FD34 Sleeveblock 2 Att. HD/FD34
FD34-SB3	FD34 Sleeveblock 3 Att. HD/FD34
FD34-SB4	FD34 Sleeveblock 4 Att. HD/FD34
FD34-SB3-HD44	FD34 Sleeveblock 3 att. HD/FD44
FD34-SB3-XD	FD34 Sleeveblock 3 att. XD
FD34-SB3-XDC	FD34 Sleeveblock 3 att. XD/FD34 combination block
TOP34-MH	HD/FD34 Toppart Manual Chain Hoist
TOP34-CH1	HD/FD34 Toppart for 1 Ton Chain Hoists

Tower Truss Lengths **(Box Truss 29cm)**

FD34-050	FD34, Box Truss Length 50cm
FD34-100	FD34, Box Truss Length 100cm
FD34-150	FD34, Box Truss Length 150cm
FD34-200	FD34, Box Truss Length 200cm
FD34-250	FD34, Box Truss Length 250cm
FD34-300	FD34, Box Truss Length 300cm
FD34-350	FD34, Box Truss Length 350cm
FD34-400	FD34, Box Truss Length 400cm

*** HD34 is also possible*

Tower Accessories

CS1-CON	Conical Connector for Truss Systems HD, FD
CS1-TP	Conical Truss Pin for Truss Systems HD, FD
CS1-RS2	R-Clip 2mm for Truss Systems HD, FD
CS1-TPS	Conical Truss Screw Pin for Truss Systems HD, FD
CS1-NUT	M8 Nut for Conical Screw Pin for Truss Systems HD, FD
BASE-KIT	Basement Kit 2x M20 Eye-Nut / 2x Ring / 2x Bolt
SLBL-KIT	Sleeve Block Kit 2x M20 Eye-Nut / 2x Nut + Ring and Threadbar M20

Product Listing:

PA Towers and LED Bridges

PA TOWERS

ST PA Tower 13m

1	ST PA Tower 13m	PA Tower made of ST Truss H=13m, Load = 1200 kg
1	STATIC	Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

HD44 PA Tower 10,5m

1	HD44 PA Tower 10,5m	PA Tower made of HD44 Truss H=10,5m, Load = 800 kg
1	STATIC	Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

HD34 PA Tower 7,5m

1	HD34 PA Tower 7,5m	PA Tower made of HD34 Truss H=7,5m, Load = 700 kg
1	STATIC	Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

LED BRIDGES

LED-BR1 - LED Bridge TD35 Towers - ST Rig (up to 24m² screen)
3 Versions: BR12 (screen 4x3m), BR15 (screen 5x3m), BR24 (screen 6x4m)

1	LED1-BR12	12m² LED Wall, H=7,5m, Load = up to 1800 kg
1	LED1-BR15	15m² LED Wall, H=7,5m, Load = up to 1800 kg
1	LED1-BR24	24m² LED Wall, H=7,5m, Load = up to 1800 kg
1	STATIC	Static Report in English, including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**) **excl. rigging hoists*

LED-BR2 - LED Bridge TD44 Towers - TT Rig (up to 54m² screen)
3 Versions: BR28 (screen 7x4m), BR40 (screen 8x5m), BR54 (screen 9x6m)

1	LED2-BR28	28m² LED Wall, H=10m, Load = up to 4050 kg
1	LED2-BR40	40m² LED Wall, H=10m, Load = up to 4050 kg
1	LED2-BR54	54m² LED Wall, H=10m, Load = up to 4050 kg
1	STATIC	Static Report in English, including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**) **excl. rigging hoists*

ROOF SYSTEMS

TT Pro Roof — **25x16m**

1	TT Pro Roof 25x16
1	Canopy Top, Sides, Back
1	Rigging Hoists
2	TT PA Wing 4m
1	Rigging Hoists PA
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

XT Pro Roof — **22x16m**

1	XT Pro Roof 22x16
1	Canopy Top, Sides, Back
1	Rigging Hoists
2	XT PA Wing 4m
1	Rigging Hoists PA
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

ST Pro Roofs — **4 Versions: 20x14m, 18x14m, 16x12m, 14x12m**

1	ST Pro Roof 20x14
1	Canopy Top, Sides, Back
1	ST Pro Roof 18x14
1	Canopy Top, Sides, Back
1	ST Pro Roof 16x12
1	Canopy Top, Sides, Back
1	ST Pro Roof 14x12
1	Canopy Top, Sides, Back
** for all ST Pro Roofs:*	
1	Rigging Hoists
2	ST PA Wing 4m
1	Rigging Hoists PA
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

ST Medium Roofs — **2 Versions: 14x10m, 12x10m**

1	ST Medium Roof 14x10
1	Canopy Top, Sides, Back
1	ST Medium Roof 12x10
1	Canopy Top, Sides, Back
	** for all ST Medium Roofs:*
1	Rigging Hoists
2	ST PA Wing 4m
1	Rigging Hoists PA
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

Tunnel Roof HD — **12x10m**

1	Tunnel Roof HD 12x10
1	Canopy TN Roof
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

Sattle Roof MD — **12x10m**

1	Sattle Roof MD 12x10
1	Canopy Top, Sides, Back
1	Rigging Hoists
2	MD PA Wing 4m
1	Rigging Hoists PA
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

Sattle Roof — **10x8m**

1	SR34 Roof 10x8
1	Canopy Top, Sides, Back
1	Man. Chain Hoists
2	SR34 PA Wing 4m
1	Man. Chain Hoists PA
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

Down Hill Roof HD — **8x6m**

1	DH34 Roof 8x6
1	Canopy Top
1	Man. Chain Hoists
2	DH34 PA Wing 4m
1	Man. Chain Hoists PA
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

Beetle Roofs HD/FD — **2 Versions: 8x6m, 8x4m**

1	Beetle Roof HD/FD 8x6
1	Canopy Top
1	Beetle Roof 8x4
1	Canopy Top
1	STATIC Static Report in English including manual

** for specifications and listing, ask customer care at Eurotruss (**info@eurotruss.nl**)*

Product Listing:

Stage Equipment and Stage Deck System for steel scaffolding stage

STAGE EQUIPMENT

Steel Scaffolding Stage System

Vertical elements

LR-VS-S	Collar
LR-VS-SI	Initial collar
LR-BP-20	Variable baseplate 20
LR-BP-60	Variable baseplate 60, solid
LR-VC-150	Standard steel 150cm without spigot
LR-VC-250	Standard steel 250cm without spigot
LR-VC-150P	Standard steel 150cm with spigot
LR-VC-170	Standard steel 170cm 4 rosette (without spigot)
LR-VC-270	Standard steel 270cm 6 rosette (without spigot)
LR-VF-50	Standard fixture 50cm
LR-WP	Woodplates 50x24cm (3 pro leg neccessary)
LR-VSC-150	Leg complete 150cm (incl. baseplate and collar)
LR-VSC-250	Leg complete 250cm (incl. baseplate and collar)
LR-VSC-150P	Leg complete for ballastsafe support 150cm

**Various standard steel with and without spigot on request*

Horizontal diagonals

LR-HD-200200	Hor. diagonal brace 2x2mtr
LR-HD-207257	Hor. diagonal brace 2,07x2,57mtr
LR-HD-200100	Hor. diagonal brace 2x1mtr

**Various diagonals on request*

Vertical diagonals

LR-VD-100150	Vert. diagonal brace 1x1,5mtr
LR-VD-200150	Vert. diagonal brace 2x1,5mtr
LR-VD-207150	Vert. diagonal brace 2,07x1,5mtr
LR-VD-257150	Vert. diagonal brace 2,57x1,5mtr

**Various diagonals on request*

Horizontal ledgers

LR-HB-100	Tube ledger 100cm
LR-HB-200	Tube ledger 200cm
LR-HB-207	Tube ledger 207cm
LR-HB-257	Tube ledger 257cm
LR-HUR-100	U ledger, reïnforced, steel 100cm
LR-HUB-200	U bridging ledger, steel 200cm
LR-HUB-207	U bridging ledger, steel 207cm
LR-HUB-257	U bridging ledger, steel 257cm

**Various ledgers on request*

Steel decks for ballast

LR-SD19-100	U-steel deck T4, 19cm wide l=100cm
LR-SD19-200	U-steel deck T4, 19cm wide l=200cm
LR-SD19-207	U-steel deck T4, 19cm wide l=207cm
LR-SD19-257	U-steel deck T4, 19cm wide l=257cm
LR-SD32-100	U-steel deck T4, 32cm wide l=100cm
LR-SD32-200	U-steel deck T4, 32cm wide l=200cm
LR-SD32-207	U-steel deck T4, 32cm wide l=207cm
LR-SD32-257	U-steel deck T4, 32cm wide l=257cm

**Various decks on request*

STAGE DECK SYSTEM FOR STEEL SCAFFOLDING STAGE

Horizontal ledgers for Event stage and accessories

LR-ECP-257	Event crosspiece 2,57mtr
LR-ECP-200	Event crosspiece 2,00mtr
LR-ECP-100	Event crosspiece 1,00mtr
LR-ECP-SP	Crosspiece support 2,57x0,50mtr

Event stage decks and accessories

LR-ESP-090	Event deck T4 0,86x2,07mtr
LR-ESP-070	Event deck T4 1,00x2,00mtr
LR-RP-PC	Replacement plastic corner for event deck
LR-TC	Tension clasp
LR-HC	Half coupler with angled profile

Event stagematerial for inserted legs

LR-IL-020	Insert leg, l=20cm, tube 48,3mm with plastic slide
LR-IL-040	Insert leg, l=40cm, tube 48,3mm with plastic slide
LR-IL-060	Insert leg, l=60cm, tube 48,3mm with plastic slide
LR-IL-090	Insert leg, l=90cm, tube 48,3mm with plastic slide
LR-IL-HD	Insert leg holder incl. connection material
LR-IL-CL	Clamp for Event decks
LR-IL-CB	Clamping bracket for inserted legs

Steel Scaffolding Stage - Accessories

Staircase

LR-SC-100	Staircase with handrailing 100cm width (2,57x2mtr)

**Other dimensions and staircase parts on request*

Packaging and Storage

LR-PAL	Pallet for tubes
LR-IB	Box to be inserted in pallet

BALLAST SAFES

Ballast Safes (integrated bases into steel scaffolding stage)

ET-BS03	Ballastsafe for 207x207cm Layher including connection material & BOB77
ET-BS04	Ballastsafe for 200x200cm Layher including connection material & BOB77
ET-BS05	Ballastsafe for 207x257cm Layher including connection material & BOB77

FOLDABLE BALLAST TANKS

Ballast Profi 1000 - foldable watertanks

BP-1000	Ballast Profi 1000 kg single stack
BP-STKIT	Ballast Profi Stack Kit for double Ballast Tanks
BP-2000	Ballast Profi 2000 kg double stack

STAGE DECK SYSTEM - MULTI PURPOSE

Stage Decks

NT-2x1m	Stage Decks platform 200cmx100cm
NT-2x0,5m	Stage Decks platform 200cmx50cm
NT-1,5x1m	Stage Decks platform 150cmx100cm
NT-1,5x0,5m	Stage Decks platform 150cmx50cm
NT-1x0,5m	Stage Decks platform 100cmx50cm
NT-1x1m	Stage Decks platform 100cmx100cm
NT-0,5x0,5m	Stage Decks platform 50cmx50cm
NT-TR2x1L	Stage Decks platform triangle 200cmx100cm left
NT-TR2x1R	Stage Decks platform triangle 200cmx100cm right
NT-TR1,5x1L	Stage Decks platform triangle 150cmx100cm left
NT-TR1,5x1R	Stage Decks platform triangle 150cmx100cm right
NT-TR1x0,5L	Stage Decks platform triangle 100cmx50cm left
NT-TR1x0,5R	Stage Decks platform triangle 100cmx50cm right
NT-TR1x1	Stage Decks platform triangle 100cmx100cm
NT-TR0,5x0,5	Stage Decks platform triangle 50cmx50cm
NT-TR100-45	Stage Decks platform triangle 100cm 45dgr
NT-TR50-45	Stage Decks platform triangle 50cm 45dgr
NT-Q100-45	Stage Decks platform quadrant 100cm R=100cm

Vertical Legs standard with load distributor

NT-SL20	Leg with load distributor H=20cm
NT-SL40	Leg with load distributor H=40cm
NT-SL60	Leg with load distributor H=60cm
NT-SL80	Leg with load distributor H=80cm
NT-SL100	Leg with load distributor H=100cm
NT-SL120	Leg with load distributor H=120cm
NT-SL140	Leg with load distributor H=140cm

Vertical Legs levelling with adjustable spindle adj cap 8cm

NT-LL40	Levelling leg with adjustable spindle Adj. Cap. 8cm H=40cm
NT-LL60	Levelling leg with adjustable spindle Adj. Cap. 8cm H=60cm
NT-LL80	Levelling leg with adjustable spindle Adj. Cap. 8cm H=80cm
NT-LL100	Levelling leg with adjustable spindle Adj. Cap. 8cm H=100cm
NT-LL120	Levelling leg with adjustable spindle Adj. Cap. 8cm H=120cm
NT-LL140	Levelling leg with adjustable spindle Adj. Cap. 8cm H=140cm

Vertical Extension leg with adjustable spindle

NT-EL40-60	Extension Leg adjustable capacity 40 to 60cm
NT-EL60-100	Extension Leg adjustable capacity 60 to 100cm
NT-EL80-140	Extension Leg adjustable capacity 80 to 140cm *(note 1)*

Note 1: Needs extra stabilizing

Vertical Levelling leg with Layher scaffolding spindle

NT-LAL-6383	Leg with scaffolding spindle H=60cm, adj. cap: 63 ~ 83cm
NT-LAL-90110	Leg with scaffolding spindle H=60cm, adj. cap: 90 ~ 110cm
NT-LAL-90125	Leg with scaffolding spindle H=80cm, adj. cap: 90 ~ 125cm
NT-LAL105140	Leg with scaffolding spindle H=80cm, adj. cap: 105 ~ 140cm

STAGE DECK SYSTEM - MULTI PURPOSE

Weight Girder aluminium to use stage on steel scaffodling stage

NT-HR-200	Weight Girder for Deck 200cm
NT-HR-100	Weight Girder for Deck 100cm
NT-SF	Safetyflap for Weight Girder

Closing Set for Gap at Ballast Safe Tower Position

NT-HR-200	Weight Girder for Deck 200cm
NT-HR-100	Weight Girder for Deck 100cm
NT-SF	Safetyflap for Weight Girder
NT-SP-010	Stage Deck 2,00x1,00mtr
NT-SPSP	Surcharge for platform with recessed corners pro corner
NT-SP-010C	Stage Deck 2,00x1,00mtr with recessed corners
NT-RP-CP	Replacement part cornercap

Stairways

NT-STA20	AM-Stairway module 20cm tread25cm, width 55cm for stage H=40cm
NT-STA40	AM-Stairway module 40cm tread25cm, width 55cm for stage H=60cm
NT-STA60	AM-Stairway module 60cm tread25cm, width 55cm for stage H=80cm
NT-STA80	AM-Stairway module 80cm tread25cm, width 55cm for stage H=100cm
NT-STA100	AM-Stairway module 100cm tread25cm, width 55cm for stage H=120cm
NT-STAR	Rail for AM-Stairway

Railing accessories required p. rail is 1 x NT-ACC01, 2 x NT-ACC02 and 1 x NT-ACC03

NT-RAL35	Railing 35cmx100cm
NT-RAL85	Railing 85cmx100cm
NT-RAL185	Railing 185cmx100cm
NT-RALS01	Safety Stairway Rail first part
NT-RALS02	Safety Stairway Rail middle part
NT-RALS03	Safety Stairway Rail double middle part
NT-RALS04	Safety Stairway Rail triple middle part
NT-RALS05	Safety Stairway Rail triple final part
NT-ACC01	Special support bolt 26mm for direct attachment of rail to platform
NT-ACC02	Nivtec support bolt 26mm for safety rail
NT-ACC03	Link for Safety Rail 110cm
NT-ACC04	Link for Safety Rail 150cm

Textile Lining

For various stage heights black textile lining available

Product Listing: Rigging Hoists and Barriers

Motor Hoists and manual chain hoists, Crowd- and Crash Barriers

RIGGING HOISTS

CM Prostar 250 kg

DC-250F-10	250 kg - Pro Star - direct control incl. 10m chain, red 4-pin CEE Plug, Bag

CM Lodestar Model F - 500 kg

LV-500F-20	0,5 Ton - Model F - low voltage incl. 20m chain, red 4-pin CEE Plug, Bag
DC-500F-20	0,5 Ton - Model F - direct control incl. 20m chain, red 4-pin CEE Plug, Bag
LV-500F-26	0,5 Ton - Model F - low voltage incl. 26m chain, red 4-pin CEE Plug, Bag
DC-500F-26	0,5 Ton - Model F - direct control incl. 26m chain, red 4-pin CEE Plug, Bag

CM Lodestar Model L - 1000 kg

LV-1000F-20	1 Ton - Model L - low voltage incl. 20m chain, red 4-pin CEE Plug, Bag
DC-1000F-20	1 Ton - Model L - direct control incl. 20m chain, red 4-pin CEE Plug, Bag
LV-1000F-26	1 Ton - Model L - low voltage incl. 26m chain, red 4-pin CEE Plug, Bag
DC-1000F-26	1 Ton - Model L - direct control incl. 26m chain, red 4-pin CEE Plug, Bag

CM Lodestar Model RR - 2000 kg

LV-2000F-20	2 Ton - Model RR - low voltage incl. 20m chain, red 4-pin CEE Plug, Bag
DC-2000F-20	2 Ton - Model RR - direct control incl. 20m chain, red 4-pin CEE Plug, Bag
LV-2000F-26	2 Ton - Model RR - low voltage incl. 26m chain, red 4-pin CEE Plug, Bag
DC-2000F-26	2 Ton - Model RR - direct control incl. 26m chain, red 4-pin CEE Plug, Bag

Controllers Direct Control

CT01V-4	Single Motor Control Unit (D.C)
CT02V-4	Control Unit for two motors (D.C)
CT04V3U	4-Way controller (D.C) in flight case
CT04ADVF	4-Way controller (D.C) 15m remote control cable, phase detector in case
CT06ADVF	6-Way controller (D.C) 15m remote control cable, phase detector in case
CT08ADVF	8-Way controller (D.C) 15m remote control cable, phase detector in case
CT012ADVF	12-Way controller (D.C) 15m remote control cable, phase detector in case

Controllers Low Voltage

CT01-4	Single Motor Control Unit (L.V)
CT04-F	4-Way controller (L.V) in flight case
CT04AD-4F	4-Way controller (L.V) 15m remote control cable, phase detector in case
CT06AD-4F	6-Way controller (L.V) 15m remote control cable, phase detector in case
CT08AD-4F	8-Way controller (L.V) 15m remote control cable, phase detector in case
CT012AD-4F	12-Way controller (L.V) 15m remote control cable, phase detector in case

Accessories for CM Motors

CTCOVER	Raincover for CM Lodestar Motor

Motor Cable for 110V control or power with CEE 4-pins yellow/red plug and connectors

CTMKS20R	20m Signal Cable (Motor Power Cable)
CTMKS30R	30m Signal Cable (Motor Power Cable)
CTMKS40R	40m Signal Cable (Motor Power Cable)
CTMKS50R	50m Signal Cable (Motor Power Cable)
CTMKM10	Multicable: control cable for CEE 4-pin L=10m
CTMKM15	Multicable: control cable for CEE 4-pin L=15m
CTMKM20	Multicable: control cable for CEE 4-pin L=20m

RIGGING HOISTS – MANUAL CHAIN HOISTS

Manual Chain Hoist 1 Ton

CH-M1000-8	Manual Chain Hoist 1 Ton Lifting height L=8m
CH-M1000-10	Manual Chain Hoist 1 Ton Lifting height L=10m
CH-M1000-12	Manual Chain Hoist 1 Ton Lifting height L=12m

Accessories

CH-BAG	Chain Bag for manual chain hoist (black)

BARRIERS – CROWD AND CRASH BARRIERS

Aluminium Crowd Barriers

CB-1150	Barrier Straight 115x125cm
CB-45N	Barrier 45 dgr neg. 108x125cm
CB-45P	Barrier 45 dgr pos. 108x125cm
CB-22,5N	Barrier 22,5 dgr neg. 62x125cm
CB-22,5P	Barrier 22,5 dgr pos. 62x125cm
CB-90S	Barrier 90 dgr negative / 70 dgr positive
CB-90B	Barrier 90 dgr negative / 90 dgr positive

Aluminium Crowd Barriers Specials

CB-G	Barrier Gate 115x125cm
CB-CG	Barrier Gate 115x125cm with cable hole

Aluminium Crowd Barriers Accessories

CB-D10	Dollie for 10 crowd barriers
CB-D5	Dollie for 5 crowd barriers
CB-DUP5	Dollie for 5 crowd barriers - Upright

Steel Crash Barriers

GAD-BS105	Crash Barrier 105 - 1,05m / Galvanized Steel
GAD-CAG105	Angle Barrier + or - 45 dgr / Galvanized Steel

Steel Crash Barriers Accessories

GAD-CS105-7P	Trolley for 7 Barriers

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