# **SR20** Saddle Roof



The band playing on stage is on true scale

**The SR20 Roof consist of a HD44 Ground Support on four HD34 Towers and a Roof Structure of HD34 Truss and Roof Support Beams of HD33.**

The SR20 Roof is a tower based structure with a saddle roof. This saddle roof has a relative high load bearing main rig with an important middle span from front to back and an HD44/34 roof structure with a fixed angle on the two HD33 gables, this enables to re-build the roof in various dimensions.

This roof guarantees a high load capacity, a higher clearance and the combination of HD34 and HD44 truss ensures a minimum of trucking and storage space. The SR20 Roof is lifted with motorized hoists, but it is possible to lift the 10x8 version using manual chain hoists.

The SR20 Roof is designed and calculated to be set up on single steel bases, with ballast bases or integrated bases (ballast safes) in any kind of steel scaffolding stage.

The top canopy is tightened with tubes and ratchet straps, wall canopies can be either in full PVC or the windthrough mash.

## Facts

- Easy & quick to setup
- Ideal for small concerts & events
- Can be extended with extra options
- Based on standard HD34/44 Truss

## Specifications of the roof construction

| | |
|---|---|
| *Tower structure* | *Based on HD34 Tower* |
| *Main grid* | *HD44, sleeveblocks & HD33 roof cover supports* |
| *Roof structure* | *Fixed angle gables based on main rig* |
| *Roof cover* | *Tensioned roof tarpaulin PVC* |

## Options for the SR20 roofs

| | |
|---|---|
| *PA Wings* | *Optional up to 1.000 kg* |
| *Stage* | *Eurotruss Stage Decks, Arena Frame, or scaffolding integrated combined with decks* |
| *Cover* | *Top, sides & Back PVC or mesh fabric* |
| *Color of Cover* | *PVC Black/Black, Black/Grey / Grey/Grey, other colours available on request* |
| *Ballast* | *Ballast Profi, Water Tanks, Concrete etc.* |
| *Compression beams* | *Adding compression beams helps reducing the need amount of ballast* |

*Eurotruss can deliver the Ballast Profi, but other ballast solutions must be provided by the user*

# **SR20** Saddle Roof Loading Figures



## SR20 Sizes & Loading

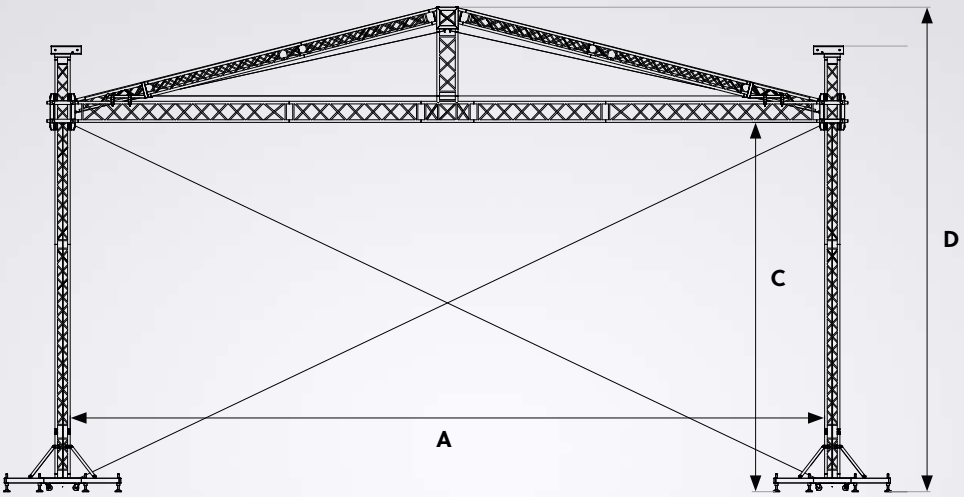
| | 14x10 m | 12x10 m | 10x8 m |
|---|---|---|---|
| User load roof Uniform Distributed Load (UDL): | 1.776 kg | 3.312 kg | 4.068 kg |
| User load roof Multi Point Load (MPL): | 1.600 kg | 2.800 kg | 4.000 kg |
| User load PA Wing (per side): | 1.000 kg | 1.000 kg | 1.000 kg |
| Cantilever on Sleeveblock (only possible without PA Wing) | 300/600 kg | 300/600 kg | 300/600 kg |
| Max. Wind Force:* | 10 Bft | 10 Bft | 10 Bft |

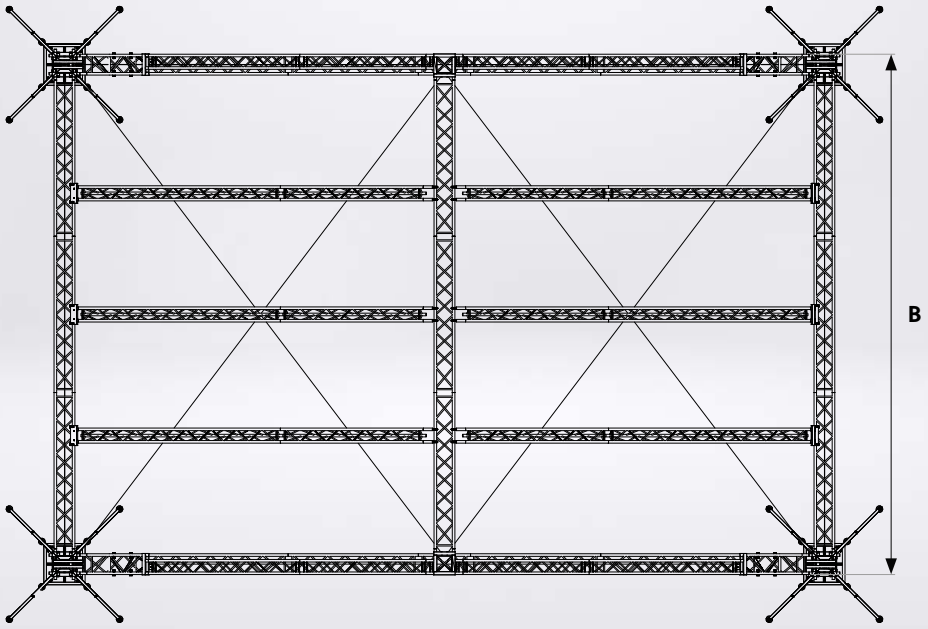
**Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs (9bft).*

## *Number of Bridges*

| 14x10 m | 12x10 m | 10x8 m |
|---|---|---|
| 2 front & back + 2 x 3 roof cover supports | 2 front & back + 2 x 3 roof cover supports | 2 front & back + 2 x 2 roof cover supports |

# **SR20** Saddle Roof Dimensions




## SR20 Dimensions

| | *14x10 m* | *12x10 m* | *10x8 m* |
|---|---|---|---|
| ***A** Width* | *14,3* | *12,3* | *10,3* |
| ***B** Depth* | *9,9* | *9,9* | *7,9* |
| ***C** Clearance side* | *7,0* | *7,0* | *7,0* |
| ***D** Rooftop Height* | *9,2* | *8,9* | *8,7* |
| *Stage area in m2* | *143* | *123* | *82,4* |

* Dimensions in meters

# **SR20** Saddle Roof System Explanation



