**SYSTEM DESCRIPTION**

The Space Roof is a modular roof system based on a space frame structure. The roof can be suspended from standard Prolyte CT towers. The aluminium profiles combine with special node points to create a roof structure of any desired size or shape. The Space Roof can be built up to 37 x 22 m in size. The specially designed top canopy guarantees efficient water drainage. Due to the complexity and size of the Space Roof, quotations are made on request only, allowing us to match your requirements with the possibilities this system offers.

**STRONG POINTS**

- Modular roof system, modular sizes possible
- Extremely high load-bearing capacity
- Efficient transportation due to very compact transport volume (approx. 1/6th of a comparable truss roof)
- Integrated rigging points
- Safe and easy rigging access due to 2 m high frame and 8 cm wide profiles
- Measurements comply with standard scaffolding systems
- Stage sub-structure needs minimum amount of diagonals, allowing for easy creation of corridors underneath

**BASIC STRUCTURE**

- **Towers** - C52T
- **Grid** - Space frame

**INCLUDING**

- Tension gear and steel wires
- Structural report according to DIN 4112 / EN13814 C
- Ballast solution
- Rain gutter at front side

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**ROOF STRUCTURE**

- **Towers**
- **Main grid**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>37 x 22m, 31 x 20m, 31 x 16m other sizes on request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loading capacity (UDL)</td>
<td>max. 30000 kg</td>
</tr>
<tr>
<td>PA loads</td>
<td>Additional PA load near front tower 4000 kg per side</td>
</tr>
<tr>
<td>Total self weight</td>
<td>approx. 35000 kg (max. size)</td>
</tr>
<tr>
<td>Max. wind speed</td>
<td>36.9 m/second, 82.5 mph</td>
</tr>
</tbody>
</table>

**TECHNICAL SPECIFICATIONS - Space Roof**

- **Canopy**
- **Canopy colour**
  - Standard outside grey, inside black (other colours possible)
- **Soundwings**
  - Optional, not included
- **Ballast**
  - 90 Tons
- **Staging**
  - Layher scaffolding stage combined with Probeam
- **ProLyft hoist**
  - 6-16 x PAE-1000DC-1235/PAE-1000UV-1235 + load cells, depending on size and version
- **Comprehensive building manual**
  - Yes
Space Roof: 37 x 22 m
### Space Roof SYSTEM

#### Stage measurements

<table>
<thead>
<tr>
<th>Size</th>
<th>Inside</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td>37 x 22 m</td>
<td>121’4&quot; x 72’2”</td>
<td>30.55 m 16.59 m 14.00 m 20.06 m 37.65 m 22.62 m</td>
</tr>
<tr>
<td>31 x 20 m</td>
<td>101’8” x 65’6”</td>
<td>24.33 m 14.20 m 14.00 m 15.91 m 31.44 m 20.54 m</td>
</tr>
<tr>
<td>31 x 16 m</td>
<td>101’8” x 52’5”</td>
<td>24.33 m 14.20 m 10.06 m 15.91 m 31.44 m 16.40 m</td>
</tr>
</tbody>
</table>
### Space Roof SYSTEM

<table>
<thead>
<tr>
<th>Stage measurements</th>
<th>Floor</th>
<th>Grid</th>
<th>Pitch roof</th>
</tr>
</thead>
<tbody>
<tr>
<td>37 x 22 m</td>
<td>121'4&quot; x 72'2&quot;</td>
<td>18,65 m 61'2&quot;</td>
<td>33,15 m 108'8&quot;</td>
</tr>
<tr>
<td>31 x 20 m</td>
<td>101'8&quot; x 65'6&quot;</td>
<td>16,58 m 54'4&quot;</td>
<td>26,94 m 88'4&quot;</td>
</tr>
<tr>
<td>31 x 16 m</td>
<td>101'8&quot; x 52'5&quot;</td>
<td>12,43 m 40'8&quot;</td>
<td>26,94 m 88'4&quot;</td>
</tr>
</tbody>
</table>

**Top view**

![Top view diagram](image-url)