SKYTABLE
The large format Slab Table for areas up to 150m² (1600 ft²)
Important Notes

Without exception, all current safety regulations and guidelines must be observed in those countries where our products are used.

The photos shown in this brochure feature construction sites in progress. For this reason, safety and anchor details in particular cannot always be considered as conclusive or final. These are subject to the risk assessment carried out by the contractor.

The systems or items shown may not be necessarily available in every country.

Safety instructions and load specifications are to be strictly observed at all times. Separate structural calculations are required for any deviations from the standard design data.

The information contained herein is subject to technical changes in the interests of progress. Errors and typographical mistakes reserved.
Contents

SKYTABLE
2 150 m² (1600 ft²) slab table moved in a few minutes
4 The large format table up to
24.40 m (80 ft) long and 6.10 m (20 ft) wide
6 The moving process
8 Details that make the PERI SKYTABLE faster
10 Components
20 PERI International
PERI SKYTABLE
150 m² (1600 ft²) slab table moved in a few minutes

PERI SKYTABLE, the slab table for areas up to 150 m² (1600 ft²). Table lengths up to 24.40 m (80 ft) and widths of 6.10 m (20 ft) are possible.

For construction of buildings with open facades, the PERI SKYTABLE is used in one piece for the complete width of the structure.

150 m² (1600 ft²) of slab formwork can be moved in one crane lift. The SKYTABLE - reaching up to 24.40 m (80 ft) x 6.10 m (20 ft) in size - is assembled using only two trusses.

Project:
Highrise building The Bravern, Bellevue, Washington, USA.
Contractor:
SKANSKA, Seattle, Washington, USA.
When the crane raises the lifting carriage, the table is pulled horizontally from the building. The complete moving procedure could be carried out by only three workers and the crane operator.

Project:
Highrise building Minto Midtown Quantum, Toronto, Ontario
Contractor:
Resform Construction Ltd., Toronto, Canada.
PERI SKYTABLE
The large format table up to 24.40 m (80 ft) long and 6.10 m (20 ft) wide

The key advantages of the PERI SKYTABLE:

- Large area tables with only one crane pick.
- Equipped with MULTIPROP post shores, which provide a large lowering height e.g. for edge beams.
- The table can also be used for larger heights without any changes to the design with the MULTIPROP post shores and frames used in a tower configuration.
- Every MULTIPROP is connected to a quick lowering device so that the props can be released quickly and easily.
- PERI has developed a new method for moving SKYTABLE, which is much safer and less strenuous for site personnel. To accelerate the moving process, the Lifting Mechanism and the Rear Carriage or Single Rollers are used.
- No screwed connections, therefore faster assembly through simple pin connections.
The moving process in detail

1. Use the Quick Lowering Device to release the prop load. Mount Rear Carriage STR or Single Roller STE to the second last prop and secure with tension belts. Move inner tubes of MULTIPROP inwards by about 50 cm (20 in) except for the second pair of props from the edge of the building.

2. Lower table by approx. 40 cm (16 in). Clamp Chain Guidance Shoe STMS to the slab edge, position the Lifting Mechanism STM on the slab edge. Pull the Lifting Head STH and one sling chain under the slab to the rear.

3. Attach the Lifting Shoe STH to the rear area. Fold down the rear guardrail. Attach the two-sling chain at the front on the cantilevered table end.

4. The crane pulls the Lifting Mechanism STM upwards and, because of this, the table is pulled horizontally out of the building by means of the Chain Guidance Plate, which is attached to the slab edge. In order for the table to remain in a horizontal position, the chain is transported in the Lifting Mechanism accordingly.

**Advantage:**
The rear guardrail can be folded down and remains fixed to the SKYTABLE! Site personnel work from a safe position in the building during the moving process.
The PERI SKYTABLE moving procedure provides a high level of safety.

Site crews are always working from a safe and secure position on the slab edge. Workers are not required to stand on the slab table at any time during the moving process.

Using STT trusses that are simply linked together, table lengths of up to 24.40 m (80 ft) are created which are moved in only one crane lift.

The Lifting Mechanism STM is operated using a remote control and ensures that the slab table is kept in a horizontal position when being moved.

Chain Guidance Shoe STMS  
Chain Guidance Shoe STMS adjustable  
Lifting Head STH  
Lifting Traverse STL 120-2  
Lifting Traverse STL 266/207-2  
Lifting Mechanism STM  
Single Roller STE  
Hydraulic Lowering Device STN-2  
Rear Carriage STR 296/237  
Rear Carriage STR 150
PERI SKYTABLE
Details that make the PERI SKYTABLE faster

Moving with single roller.
Alternatively, moving SKYTABLE with the Rear Carriage can also be done with the Single Roller. Lowering is achieved with the Hydraulic Lowering Device.

Safe handling of the SKYTABLE table lifting equipment.
From a safe and secure area through a plywood opening behind the Lifting Traverse STL, the rear lifting point on the Lifting Traverse is mounted with the Lifting Head STH.

Easy prop load release.
MULTIPROP post shores are fixed in the Lowering Device. This allows simple release of high prop loads. Unlocking the Quick Lowering Device is carried out with a simple movement of the red handle.

With a simple movement of the red handle, the Quick Lowering Device is unlocked and the PERI SKYTABLE is lowered by 20 mm.
**Construction of SKYTABLE with 3 shear frames.**
For moving the tables, the Lifting Adaptor and the Horizontal Brace are used.

**Fast assembly of SKYTABLE.**
The truss construction is assembled using pins and cotter pins.

**Lowerable guardrail.**
During the moving process, the guardrail on the rear end of the table is slid downwards. The table can be moved under the concreted slab without having to dismantle the guardrail.
<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Complete with</th>
</tr>
</thead>
<tbody>
<tr>
<td>107592</td>
<td>232,000</td>
<td>Truss Girder STT 888, galv.</td>
<td>4 pc. 107579 Pin Ø 25 x 154, galv. 8 pc. 105400 Pin Ø 20 x 140, galv. 12 pc. 018060 Cotter Pin 4/1, galv.</td>
</tr>
<tr>
<td>107599</td>
<td>147,000</td>
<td>Truss Girder STT 592, galv.</td>
<td>4 pc. 107579 Pin Ø 25 x 154, galv. 4 pc. 105400 Pin Ø 20 x 140, galv. 8 pc. 018060 Cotter Pin 4/1, galv.</td>
</tr>
<tr>
<td>107800</td>
<td>83,000</td>
<td>Truss Girder STT 168, galv.</td>
<td>4 pc. 107579 Pin Ø 25 x 154, galv. 2 pc. 105400 Pin Ø 20 x 140, galv. 6 pc. 018060 Cotter Pin 4/1, galv.</td>
</tr>
<tr>
<td>107667</td>
<td>31,500</td>
<td>Truss Connector STC, galv. For connecting 2 Truss Girder STT.</td>
<td>4 pc. 107579 Pin Ø 25 x 154, galv. 4 pc. 018060 Cotter Pin 4/1, galv.</td>
</tr>
</tbody>
</table>
### SKYTABLE Slab Table

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>L</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>107561</td>
<td>8,000</td>
<td>Diagonal Brace STD, galv.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107564</td>
<td>11,900</td>
<td>Diagonal Brace STD 120 x 87</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107567</td>
<td>14,700</td>
<td>Diagonal Brace STD 207 x 87</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107561</td>
<td>8,000</td>
<td>Diagonal Brace STD 266 x 87</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107564</td>
<td>11,900</td>
<td>For diagonal bracing of SKYTABLE.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107567</td>
<td>14,700</td>
<td>For diagonal bracing of SKYTABLE.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>L</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>108106</td>
<td>5,460</td>
<td>Spreader Tube STST, galv.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108105</td>
<td>9,920</td>
<td>Spreader Tube STST 120, galv.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107915</td>
<td>14,000</td>
<td>Spreader Tube STST 207, galv.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107915</td>
<td>14,000</td>
<td>Spreader Tube STST 266, galv.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107915</td>
<td>14,000</td>
<td>For horizontal bracing of SKYTABLE in diagonal frame construction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107915</td>
<td>14,000</td>
<td>For horizontal bracing of SKYTABLE in diagonal frame construction.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>L</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>107641</td>
<td>20,700</td>
<td>Quick Lowering Device STQ, galv.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107641</td>
<td>20,700</td>
<td>For releasing loads by 20 mm.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107641</td>
<td>20,700</td>
<td>Connection between Truss Girder and MULTIPROP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107641</td>
<td>20,700</td>
<td>Complete with</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 pc. 715357 Pin Ø 16 x 150, galv.
5 pc. 018060 Cotter Pin 4/1, galv.
## SKYTABLE Slab Table

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>108133</td>
<td>0.833</td>
</tr>
</tbody>
</table>

### Connector STG 24, galv.
- For connecting the GT 24 Girders to the Truss Girder STT near the props.

### Note
- 2 piece per fixing point.
- The Connector STG 24 must always be secured with nails!

### Technical Data
- Permissible load-bearing point capacity is balanced according to the Lifting Mechanism STM and permissible SKYTABLE data.

### Crane Eye Adaptor STA
- For connecting Guardrail Post STP to the Truss Girder STT. As bracket for moving.

### Technical Data
- The Connector STG 24 must always be secured with nails!

### Accessories
- **Guardrail Post STP, galv.**

### Guardrail Post STP, galv.
- For use with Crane Eye Adaptor STA.

### Technical Data
- Guardrail height 1.10 m.
## SKYTABLE Slab Table

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>108188</td>
<td>3,440</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Tension Plate STMP

In conjunction with the Tension Belt STLB for transferring horizontal loads in the longitudinal direction of the table.

![Tension Plate STMP Diagram](image)

### Accessories

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>107895</td>
<td>1,430</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Tension Belt STLB

![Tension Belt STLB Diagram](image)

### Lifting Adaptor ST

For moving PERI SKYTABLE with 3 shear frames.

![Lifting Adaptor ST Diagram](image)

**Note**

Follow Instructions for Assembly and Use!

### Horizontal Brace ST

For horizontal bracing of PERI SKYTABLE in the upper diagonal level at tables with 3 shear frames.

![Horizontal Brace ST Diagram](image)
SKYTABLE Slab Table

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>110832</td>
<td>12,000</td>
</tr>
</tbody>
</table>

**Diagonal Cross Connection STO**
For the use of re-positioned MULTIPROP post shores on the Truss Girder STT.

**Complete with**
- 2 pc. 105400 Pin Ø 20 x 140, galv.
- 2 pc. 018060 Cotter Pin 4/1, galv.

![Diagram of Diagonal Cross Connection STO](image)

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>114965</td>
<td>13,600</td>
</tr>
</tbody>
</table>

**Telescopic Extension ST**
For longitudinal compensations of 50 - 90 cm with additional support. Inserted into the top chord of the Truss Girder STT.

**Complete with**
- 1 pc. 107579 Pin Ø 25 x 154, galv.
- 1 pc. 018060 Cotter Pin 4/1, galv.

![Diagram of Telescopic Extension ST](image)

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>112175</td>
<td>142,000</td>
</tr>
</tbody>
</table>

**Beam Truss ST**
For forming beams. Mounted on Truss Girder STT by means of pins and cotter pins.

**Complete with**
- 5 pc. 107579 Bolt Ø 25 x 154, galv.
- 6 pc. 105400 Bolt Ø 20 x 140, galv.
- 11 pc. 018060 Cotter Pin 4/1, galv.
- 4 pc. 029560 Bolt ISO 4014 M24 x 120-10.9, galv.
- 4 pc. 105032 Nut ISO 7042 M24-8, galv.

**Note**
For beams up to maximum 60 cm wide and 75 cm high.

![Diagram of Beam Truss ST](image)
SKYTABLE Slab Table

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>111300</td>
<td>502,000</td>
</tr>
<tr>
<td>113030</td>
<td>502,000</td>
</tr>
<tr>
<td>114103</td>
<td>502,000</td>
</tr>
</tbody>
</table>

**Lifting Mechanism STM**
Lifting Mechanism STM 600 V / 60 HZ
Lifting Mechanism STM 480 V / 60 HZ
Lifting Mechanism STM 400 V / 50 HZ
For moving PERI SKYTABLE. With chain hoist and chains. Included in delivery is a accessories box with remote control, charger and documentation.

**Technical Data**
Permissible load-bearing capacity: 6.0 t
Max. table length: 24.40 m
Power: 0.9 – 3.5 KW
Chain speed: 1.6 m and 6.3 m/min.

**Complete with**
1 pc. 107709 Lifting Head STH

---

**107736 | 26,900**
Chain Guidance Shoe STMS
For fixing to the slab edge as chain guidance plate when moving.
Slab thickness 195 mm to 335 mm.

---

**110153 | 32,600**
Chain Guidance Shoe STMS adjustable
For fixing to the slab edge as chain guidance plate when moving.
Slab thickness 195 mm to 635 mm.
<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>109388</td>
<td>95,400</td>
<td><strong>Spreader Beam STL 120-2</strong>&lt;br&gt;For moving PERI SKYTABLE with 2 shear frames.</td>
<td></td>
</tr>
<tr>
<td>109373</td>
<td>167,000</td>
<td><strong>Spreader Beam STL 266/207-2</strong>&lt;br&gt;For moving PERI SKYTABLE with 2 shear frames.</td>
<td></td>
</tr>
<tr>
<td>114740</td>
<td>16,400</td>
<td><strong>Lifting Traverse Crane Eye slidable ST</strong>&lt;br&gt;For moving excentrically-positioned SKYTABLE.&lt;br&gt;Mounted to the Lifting Traverse STL.</td>
<td>Complete with&lt;br&gt;2 pc. 706462 Bolt ISO 4014 M20 x 200-8.8, galv.&lt;br&gt;2 pc. 781053 Nut ISO 7042 M20-8, galv.</td>
</tr>
<tr>
<td>107895</td>
<td>1,430</td>
<td><strong>Tension Belt STLB</strong>&lt;br&gt;For fixing of Single Roller STE at SKYTABLE and for anchoring of slab tables.</td>
<td>Note&lt;br&gt;2 pieces required per Single Roller STE.&lt;br&gt;(SKYTABLE)&lt;br&gt;Technical Data&lt;br&gt;Permissible tension force = 10 kN</td>
</tr>
<tr>
<td>Item no.</td>
<td>Weight kg</td>
<td>Description</td>
<td>Technical Data</td>
</tr>
<tr>
<td>---------</td>
<td>-----------</td>
<td>-------------</td>
<td>----------------</td>
</tr>
<tr>
<td>107709</td>
<td>124,000</td>
<td>Rear Carriage STR 296/237</td>
<td>Permissible tension force = 10 kN</td>
</tr>
<tr>
<td>107602</td>
<td>111,000</td>
<td>Rear Carriage STR 150</td>
<td>Permissible tension force = 10 kN</td>
</tr>
<tr>
<td>107569</td>
<td>124,000</td>
<td>Rear Carriage STR 296/237</td>
<td>Permissible tension force = 10 kN</td>
</tr>
</tbody>
</table>
## SKYTABLE Slab Table

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>115476</td>
<td>49.900</td>
</tr>
</tbody>
</table>

### Triple Roller ST
- For lowering the PERI SKYTABLE when moving.

### Complete with
- 2 pc. 115215 Anchor Chain ST 3.0 kN, \( I = 2.50 \text{ m} \)

### Single Roller STE
- For travelling the PERI SKYTABLE when moving.

### Accessories
- **Tension Belt STLB**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>107895</td>
<td>1.430</td>
</tr>
</tbody>
</table>

### Hydraulic Lowering Device STN
- **Hydraulic Lowering Device STN 2.0 t**
- **Hydraulic Lowering Device STN 6.0 t**
- For lowering the PERI SKYTABLE when moving.

### Technical Data
- Permissible load-bearing capacity 2.0 t, resp. 6.0 t.
SKYTABLE Slab Table

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>115804</td>
<td>8,780</td>
</tr>
</tbody>
</table>

**Chain Extension STV 120**
For moving SKYTABLE tables with 3 truss girder sections in connection with the Lifting Carriage STM.

**Technical Data**
Chain length approx. 1.20 m.
The optimal System for every Project and every Requirement

Wall Formwork  Column Formwork

Slab Formwork  Climbing Systems  Tunnel Formwork  Bridge Formwork

Shoring Systems  Construction Scaffold  Facade Scaffold  Industrial Scaffold

Access  Protection Scaffold  System-Independent Accessories  Services

PERI GmbH
Formwork Scaffolding Engineering
Rudolf-Diesel-Strasse 19
89264 Weissenhorn
Germany
Tel. +49 (0)7309.950-0
Fax +49 (0)7309.961-0
info@peri.com
www.peri.com