QUATTRO
Column formwork designed for moving with only one crane lift
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.

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.
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QUATTRO
Column formwork designed for moving with only one crane lift

For contractors, PERI QUATTRO means enormous time-savings when using the crane because the complete column including the push-pull props and concreting platform is moved in only one crane lift. If necessary, QUATTRO can be moved by hand using the transportation wheels. QUATTRO is suitable for square or rectangular cross-sections with edge lengths from 20 cm to 60 cm. With four different element heights, height adjustments up to 4.50 m in 25 cm increments are possible.

The permissible fresh concrete pressure of 80 kN/m² allows the customary high concreting speeds when forming the columns. The high-grade plastic formlining is screwed on from the rear resulting in an excellent architectural concrete quality finish.

- **Time-saving**
  Moveable as a complete unit, can be opened and closed with a minimum of effort.

- **Variable**
  Regardless whether square or rectangular-shaped, cross-sections from 20 cm x 20 cm to 60 cm x 60 cm in 5 cm increments.

- **Safe**
  Through the concreting platform with integrated access ladder and ladder cage.

QUATTRO is equipped with all-plastic formlining which ensures a very good concreting finish.
Time-saving
Moveable as a complete unit, quickly braced and separated

PERI QUATTRO column formwork can be moved as a complete unit, including the push-pull props and concreting platform, in only one crane lift. Alternatively, the unit can be moved by hand using four transportation wheels per column.

Shuttering and striking are also carried out easily and quickly: elements are braced and separated in just a few simple steps – all required components are directly fixed to the column formwork.

The frame must be secured in the “hold-open position” by means of an additional bolt. The formwork can then be attached to the crane lifting gear and moved to the next place of use. Formwork up to a max. height of 3.50 m may be moved by means of the transportation wheels. For this, four transportation wheels are to be mounted on the closed formwork unit.
Variable
Square or rectangular cross-sections from 20 x 20 mm to 60 x 60 cm

With QUATTRO, square or rectangular-shaped column cross-sections from 20 cm x 20 cm to 60 cm x 60 cm can be realised in 5 cm increments. With 4 different element heights of 0.50 m, 1.25 m, 2.75 m and 3.50 m, height adjustments are possible in 25-cm increments up to 4.50 m. In addition, elements can easily be connected by means of ring bolts which also serve as crane suspension.

The individual elements are connected using ring bolts.
Safe

Through the concreting platform with integrated access ladder and ladder cage

The aluminium platform suits any layout from 20 cm x 20 cm to 60 cm x 60 cm. Thanks to its low weight, it can easily be assembled by hand. Another advantage is that the mounting of the concreting platform also serves as the crane suspension.

The PERI concreting platform is delivered to the construction site ready for use. There are no individual components which can be lost and no time-consuming assembly of individual scaffold brackets, planking or handrail boards.

Integrated ladders serve to ensure safe access to the concreting platforms. This consists of a ladder cage, access ladder, ladder connection and ladder hooks. Once installed, they are moved as a complete unit together with the formwork.
High quality
Powder-coated formwork, best concreting results

QUATTRO column formwork is provided with high-quality powder coating.

For storage and transportation, the four elements are placed one on top of the other in a stack – extremely compact thanks to the stacking height of only 12 cm.

The frames of the QUATTRO column formwork are powder-coated. This reliably prevents the concrete from sticking and guarantees easy cleaning.

Due to the high-grade plastic formlining being screwed on from the rear, a good architectural concrete finish is achieved – no nail or screw markings.

* The maximum permissible fresh concrete pressure for QUATTRO column formwork is 80 kN/m² and has been designed to accommodate high concreting speeds which are customary when forming columns.

*with new plywood and without height extensions.

With the high-quality formlining that is screwed on from the rear, excellent architectural concrete finishes can be achieved with QUATTRO.
QUATTRO Column Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>109925</td>
<td>206,000</td>
</tr>
<tr>
<td>109926</td>
<td>206,000</td>
</tr>
</tbody>
</table>

**QUATTRO Frame QES 350**
Column panel with 20 mm plywood, screwed on from behind. For cross-sections in 5 cm increments from 20 x 20 cm to 60 x 60 cm. Eye bolt as load-bearing point and for extensions. Without chamfer strip.

**Complete with**
- 2 pc. 724812 Stair Tower Eye Bolt M20 x 110, galv.
- 2 pc. 710045 Nut DIN 557-4 M20, galv.
- 13 pc. 105400 Pin Ø 20 x 140, galv.
- 13 pc. 018060 Cotter Pin 4/1, galv.
- 1 pc. 037550 Base Plate QUATTRO QB

**Technical Data**
Load-bearing point capacity 1.0 t.

**QUATTRO Frame QES 275**
Column panel with 20 mm plywood, screwed on from behind. For cross-sections in 5 cm increments from 20 x 20 cm to 60 x 60 cm. Eye bolt as load-bearing point and for extensions. Without chamfer strip.

**Complete with**
- 2 pc. 724812 Stair Tower Eye Bolt M20 x 110, galv.
- 2 pc. 710045 Nut DIN 557-4 M20, galv.
- 9 pc. 105400 Pin Ø 20 x 140, galv.
- 9 pc. 018060 Cotter Pin 4/1, galv.
- 1 pc. 037550 Base Plate QUATTRO QB

**Technical Data**
Load-bearing point capacity 1.0 t.
## QUATTRO Column Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
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<tbody>
<tr>
<td>109924</td>
<td>73.800</td>
</tr>
</tbody>
</table>

### QUATTRO Frame QES 125
Column panel with 20 mm plywood, screwed on from behind. For cross-sections in 5 cm increments from 20 x 20 cm to 60 x 60 cm. Eye bolt as load-bearing point and for extensions. Without chamfer strip.

### Complete with
- 2 pc. 724812 Stair Tower Eye Bolt M20 x 110, galv.
- 2 pc. 710045 Nut DIN 557-4 M20, galv.
- 5 pc. 105400 Pin Ø 20 x 140, galv.
- 5 pc. 018060 Cotter Pin 4/1, galv.

#### Technical Data
Load-bearing point capacity 1.0 t.

### QUATTRO Frame QES 50
Column panel with 20 mm plywood, screwed on from behind. For cross-sections in 5 cm increments from 20 x 20 cm to 60 x 60 cm. Eye bolt as load-bearing point and for extensions. Without chamfer strip.

### Complete with
- 2 pc. 724812 Stair Tower Eye Bolt M20 x 110, galv.
- 2 pc. 710045 Nut DIN 557-4 M20, galv.
- 5 pc. 105400 Pin Ø 20 x 140, galv.
- 5 pc. 018060 Cotter Pin 4/1, galv.

#### Technical Data
Load-bearing point capacity 1.0 t.

### Chamfer Strips QDL
- **Chamfer Strip QDL 350**: 0.665
- **Chamfer Strip QDL 275**: 0.520
- **Chamfer Strip QDL 125**: 0.230
- **Chamfer Strip QDL 50**: 0.100

Plastic chamfer strip with nailing panel. Edge length 15 x 15 mm.

### Base Plate QUATTRO QB
For protecting the plywood formlining against damage.

### Complete with
2 pc. 030130 Cam Nut DW 15, galv.
### QUATTRO Column Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>037540</td>
<td>2.370</td>
<td><strong>Frame Spanner QUATTRO QA</strong></td>
<td>For bracing QUATTRO column elements. Only required at a column corner.</td>
</tr>
<tr>
<td>037530</td>
<td>1.140</td>
<td><strong>Brace Connector QUATTRO QR</strong></td>
<td>For connecting push-pull props and kickers to QUATTRO and LICO panels.</td>
</tr>
<tr>
<td>724500</td>
<td>0.098</td>
<td><strong>Bolt Ø 20 x 42, QUATTRO, galv.</strong></td>
<td>For different connections.</td>
</tr>
<tr>
<td>018060</td>
<td>0.030</td>
<td><strong>Accessories Cotter Pin 4/1, galv.</strong></td>
<td></td>
</tr>
<tr>
<td>105400</td>
<td>0.330</td>
<td><strong>Pin Ø 20 x 140, galv.</strong></td>
<td>For different connections.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Accessories Cotter Pin 4/1, galv.</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Note

Required no. of pieces:
- h = 3.50 m: 6 pieces
- h = 2.75 m: 4 pieces
- h = 1.25 m: 2 pieces
- h = 0.50 m: 1 piece

**Complete with**
- 1 pc. 027170 Bolt Ø 16 x 42, galv.
- 1 pc. 018060 Cotter Pin 4/1, galv.

**Frame Spanner QUATTRO QA**

**Brace Connector QUATTRO QR**

**Bolt Ø 20 x 42, QUATTRO, galv.**

**Accessories Cotter Pin 4/1, galv.**
QUATTRO Column Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>105791</td>
<td>16,900</td>
</tr>
</tbody>
</table>

**Transportation Wheel QUATTRO**
For moving completely assembled QUATTRO column formwork. Always use 4 pieces per column.

**Technical Data**
Bearing capacity 500 kg.

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<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>037400</td>
<td>123,000</td>
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</tbody>
</table>

**Concreting Platform, compl.**
Working and concreting platform for TRIO, RAPID and QUATTRO Column Formwork.

**Complete with**
1 pc. 037410 Concreting Landing, Alu
2 pc. 037420 Platform Guardrail 52, galv.
2 pc. 037430 Platform Guardrail 134, galv.
3 pc. 037440 Crane Hook Concreting Platform

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<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>037410</td>
<td>51,400</td>
</tr>
</tbody>
</table>

**Concreting Landing, Alu**
Adjusts continuously to all column cross-sections up to max. 60 x 60 cm. Attachment is carried out using the crane eye of the concreting platform.

**Technical Data**
Permissible load 150 kg/m².
### Platform Guardrail 52, galv.
As guardrail for PERI Concreting Platforms. Locks in place automatically.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>037420</td>
<td>10,200</td>
</tr>
</tbody>
</table>

### Platform Guardrail 134, galv.
As guardrail for PERI Concreting Platforms. Locks in place automatically.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>037430</td>
<td>17,100</td>
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</tbody>
</table>

### Platform Front Guardrail 86/86
As guardrail for PERI concreting platforms towards the column. Mounted with Screw-on Coupler.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>115352</td>
<td>15,100</td>
</tr>
</tbody>
</table>

**Note**
Wrench size SW 19.

### Crane Hook Concreting Platform
For assembling the concreting landing to the RAPID and QUATTRO column frames.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
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<tbody>
<tr>
<td>037440</td>
<td>5,660</td>
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**Technical Data**
Load-bearing point: capacity 1.0 t.
<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Complete with</th>
</tr>
</thead>
<tbody>
<tr>
<td>051410</td>
<td>11.700</td>
<td>Ladder 180/6, galv.</td>
<td>4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv. &lt;br&gt;2 pc. 710381 Nut ISO 7042 M12-8, galv.</td>
</tr>
<tr>
<td>103724</td>
<td>10.400</td>
<td>End Ladder 180/2, galv.</td>
<td>4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv. &lt;br&gt;2 pc. 710381 Nut ISO 7042 M12-8, galv.</td>
</tr>
<tr>
<td>051460</td>
<td>2.180</td>
<td>Ladder Base, galv.</td>
<td>4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv. &lt;br&gt;2 pc. 710381 Nut ISO 7042 M12-8, galv.</td>
</tr>
<tr>
<td>103718</td>
<td>0.684</td>
<td>Ladder Hook, galv.</td>
<td>2 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv. &lt;br&gt;2 pc. 710381 Nut ISO 7042 M12-8, galv.</td>
</tr>
</tbody>
</table>
## QUATTRO Column Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Complete with</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>117466</td>
<td>10,600</td>
<td>Push-Pull Prop RS 210, galv.</td>
<td>2 pc. 701763 Clamping Plate Fl 25 x 10 x 90</td>
<td>Permissible load see PERI Design Tables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extension length L = 1.30 – 2.10 m. For aligning PERI formwork systems and precast concrete elements.</td>
<td>4 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv.</td>
<td></td>
</tr>
<tr>
<td>118238</td>
<td>12,100</td>
<td>Push-Pull Prop RS 260, galv.</td>
<td>2 pc. 701763 Clamping Plate Fl 25 x 10 x 90</td>
<td>Permissible load see PERI Design Tables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extension length L = 2.30 – 2.60 m. For aligning PERI formwork systems and precast concrete elements.</td>
<td>4 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv.</td>
<td></td>
</tr>
<tr>
<td>104132</td>
<td>15,600</td>
<td>Ladder Safety Cages, galv.</td>
<td>4 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv.</td>
<td></td>
</tr>
<tr>
<td>051450</td>
<td>25,200</td>
<td>Ladder Safety Cage 75, galv.</td>
<td>4 pc. 701763 Clamping Plate Fl 25 x 10 x 90</td>
<td>Ladder safety cage for PERI access ladders.</td>
</tr>
<tr>
<td>051450</td>
<td></td>
<td>Ladder Safety Cage 150, galv.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>103391</td>
<td>4,890</td>
<td>Ladder Connector QUATTRO</td>
<td>2 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv.</td>
<td>For connecting ladders to QUATTRO column panels.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item no.</td>
<td>Weight kg</td>
<td>Description</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>-------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>117467</td>
<td>15,400</td>
<td>Push-Pull Prop RS 300, galv. Extension length L = 1.90 – 3.00 m. For aligning PERI formwork systems and precast concrete elements.</td>
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<tr>
<td>117468</td>
<td>22,900</td>
<td>Push-Pull Prop RS 450, galv. Extension length L = 2.80 – 4.50 m. For aligning PERI formwork systems and precast concrete elements.</td>
<td></td>
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<tr>
<td>117469</td>
<td>39,900</td>
<td>Push-Pull Prop RS 650, galv. Extension length L = 4.30 – 6.50 m. For aligning PERI formwork systems and precast concrete elements.</td>
<td></td>
<td></td>
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<tr>
<td>028990</td>
<td>115,000</td>
<td>Push-Pull Prop RS 1000, galv. Extension length L = 6.40 – 10.00 m. For aligning PERI formwork systems.</td>
<td></td>
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</tr>
</tbody>
</table>

Note: Permissible load see PERI Design Tables.
**QUATTRO Column Formwork**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
</table>
| 103800   | 271,000   | **Push-Pull Prop RS 1400, galv.**  
Extension length L = 6.40 – 14.00 m.  
For aligning PERI formwork systems. | Permissible load see PERI Design Tables.  
Chain can be operated from bottom. |
| 117343   | 3,250     | **Base Plate-2 for RS 210 – 1400, galv.**  
For assembly of Push-Pull Props RS 210, 260, 300, 450, 650, 1000 and 1400. | Complete with  
2 pc. 105400 Pin Ø 20 x 140, galv.  
2 pc. 018060 Cotter Pin 4/1, galv. |
| 124777   | 0.210     | **Accessories**  
**Anchor Bolt PERI 14/20 x 130** |  |
| 028010   | 18,000    | **Push-Pull Prop RSS I**  
Extension length L = 2.05 – 2.94 m.  
For aligning PERI formwork systems. | Permissible load: see PERI Design Tables. |
### QUATTRO Column Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
</table>
| 028020   | 22,100    | **Push-Pull Prop RSS II**  
Extension length L = 2.91 – 3.80 m.  
For aligning PERI formwork systems. | Permissible load: see PERI Design Tables. |
| 028030   | 38,400    | **Push-Pull Prop RSS III**  
Extension length L = 4.60 – 6.00 m.  
For aligning PERI formwork systems. | Permissible load: see PERI Design Tables. |
| 106000   | 1,820     | **Base Plate-2 for RSS, galv.**  
For assembly of RSS push-pull props. | Complete with  
1 pc. 027170 Pin Ø 16 x 42, galv.  
1 pc. 018060 Cotter Pin 4/1, galv. |
| 124777   | 0,210     | **Accessories**  
**Anchor Bolt PERI 14/20 x 130** | |
| 028110   | 5,180     | **Kicker AV 140**  
Extension length L = 1.08 – 1.40 m.  
For aligning PERI formwork systems. | Complete with  
1 pc. 027170 Pin Ø 16 x 42, galv.  
1 pc. 018060 Cotter Pin 4/1, galv.  
Note  
Permissible load: see PERI Design Tables. |
### QUATTRO Column Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Kicker AV 210</th>
<th>Complete with</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>108135</td>
<td>12.900</td>
<td>Extension length L = 1.28 – 2.10 m. For aligning PERI formwork systems.</td>
<td>1 pc. 027170 Pin Ø 16 x 42, galv. 1 pc. 018060 Cotter Pin 4/1, galv.</td>
<td>Permissible load: see PERI Design Tables.</td>
</tr>
<tr>
<td>028120</td>
<td>16.900</td>
<td>Kicker AV RSS III</td>
<td>1 pc. 027170 Pin Ø 16 x 42, galv. 1 pc. 018060 Cotter Pin 4/1, galv.</td>
<td>Permissible load: see PERI Design Tables.</td>
</tr>
<tr>
<td>124777</td>
<td>0.210</td>
<td>Anchor Bolt PERI 14/20 x 130</td>
<td>Note</td>
<td>Wrench size SW 24. Drilling Ø 14 mm. Technical Data</td>
</tr>
</tbody>
</table>

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**Technical Data**

- Wrench size SW 24.
- Drilling Ø 14 mm.

**Note**

See PERI data sheet!
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

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