VARIO GT 24
The variable Girder Wall Formwork System with the proven Lattice Girder GT 24

Product Brochure – Issue 11/2017
Important Notes

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.

In addition, computer graphics are used which are to be understood as system representations. For ensuring a better understanding, these and the detailed illustrations shown have been partially reduced to certain aspects. The safety installations which have possibly not been shown in these detailed descriptions must nevertheless be available.

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

Safety instructions and load specifications are to be strictly observed at all times. Separate structural calculations are required in case of changes and deviations.

The information contained herein is subject to technical changes in the interests of progress. Errors and typographical mistakes reserved.
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General
The variable girder wall formwork system

VARIO GT 24 is the proven girder wall formwork system complete with the continuously adjustable elongated hole couplings.

Regardless whether it is industrial or residential construction, bridge abutments or retaining walls, every layout and any height up to 18 m can be formed with PERI VARIO.

The 30 cm increments of the GT 24 girder allow easy adjustment to suit the required height.

Pre-assembled, ready-to-use platforms provide site personnel with a very high level of safety, as well as large time savings particularly with multiple usage.
The VARIO GT 24 girder wall formwork system offers many advantages. This includes simple planning, minimum on-site material requirements and fast, efficient formwork sequencing.

Optimally-sized large elements can be assembled specifically for every project. In the process, the following points can always be freely selected:
- type and size of the formlining
- formlining fixings
- panel widths and heights
- position of any height extension or reduction
- girder length and spacing
- waler position, profile and length
- permissible fresh concrete pressure
- tie arrangement (horizontal, vertical)
- type of panel (straight, curved, offset)
The variable girder wall formwork system

The formwork is extended with the VARIO Extension Splice 24.

Quickly and easily fitted through the latticework of the GT 24, without having to drill girders.

The flexural rigid connection automatically aligns the girders. The splice consists of just two components which are quickly connected using triple wingnuts.

VARIO GT 24 formwork specially adapted to the requirements with defined formlining joint formation and tie point positioning.
VARIO GT 24 on the RCS rail climbing system for constructing the elevator and stairway shafts of a highrise building.

VARIO panels, with concreting scaffold and push-pull props, are shifted as a complete unit.

Soundproof sealing of the tie points costs 50% less as the top tie point is above the concrete with waler spacing of 2.37 m.
General
Complicated geometries with standard system components

14 m high VARIO elements were arranged polygonally in the curved areas. With large-sized Fin-Ply Maxi plywood as formlining, an excellent concrete surface quality could be achieved.
The stringent French safety standards for high-rise construction were taken into account during the formwork planning. They included fine wire mesh panels for all safety handrails, and end handrail swing frames for the outside climbing units, in order to maximise the protection against falling, even during climbing.

Even for this complicated layout, over 90% of the formwork consists of standard system components.

Multi-storey building in Paris with VARIO GT 24 and CB 240 climbing formwork systems.
As the main component in slab and wall formwork, the formwork girder significantly determines the profitability of the formwork. Thereby, it is not the initial investment costs but the durability and handling costs which are the decisive factors.

**The GT 24 from PERI offers:**
- long service life
- shorter forming times

Therefore, successful contractors use the GT 24 lattice girder from PERI:
- light and manageable for slabs
- strong for wall formwork
- cost-effective for customized formwork solutions

More information is available in the GT 24 brochure.

### The GT 24 in comparison

<table>
<thead>
<tr>
<th></th>
<th>VT 20</th>
<th>GT 24</th>
<th>Diff.%</th>
</tr>
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<tbody>
<tr>
<td>Permissible reaction force</td>
<td>22 kN</td>
<td>28 kN*</td>
<td>+ 27%</td>
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<tr>
<td>Permissible bending moment</td>
<td>5 kNm</td>
<td>7 kNm*</td>
<td>+ 40%</td>
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<td>Flexural stiffness</td>
<td>460 kNm²</td>
<td>887 kNm²</td>
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<td>Weight</td>
<td>5.3 kg/m</td>
<td>5.9 kg/m</td>
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* When supported at the nodes.
High load-bearing capacity with low weight
Perm. Q on the compression struts \( Q_D = 14 \text{ kN} \)
Perm. bending moment \( M = 7 \text{ kNm} \)
\( I_y = 8.064 \text{ cm}^4 \)

Steel end caps with through-rivets
- Robust end protection
- Prevents end being sawn off accidentally
- Can be used to replace the rubbing board on VARIO panels if required

6 x 8 cm thick chord
For easy screwing and nailing. The girder chord is prevented from splitting as the full depth of the chord is finger-jointed to the struts and tied at each girder connection.

PERI Design Tables are available for slab and wall formwork operations. The girder is monitored according to the requirements of DIN EN 13377.
General

The standard system components of a VARIO GT 24 panel

The GT 24 formwork girder
forms the main element of the VARIO GT 24 wall formwork. Available in lengths from 90 cm to 1780 m, in 30 cm increments.

Steel Waler SRZ / SRU
Available in standard lengths as well as any special sizes and forms. Profile cross-sections of the U 100 to U 140 and others.

VARIO Steel Waler and Internal Corner Waler IRZ
for corner panels.
Formlining
PERI formlining sheets come in a range of sizes, thicknesses and grades to ensure that the most appropriate formlining is available to meet individual site requirements.

Connecting components
**Hook Strap HB 24**
for connecting the GT 24 to SRZ and SRU walers on the girder nodes.

**Hook Strap Uni HBU**
for connecting the GT 24 to SRZ and SRU walers outside of the girder nodes.

**TSS Torx Screw**
for assembling the formlining.
Standard Applications
VARIO GT 24 standard panels

VARIO standard panels are pre-assembled rentable formwork panels which are fitted with 21 mm formlining. The ready-to-use wall formwork is assembled using tried and tested VARIO system components. The panels are supplied complete with lifting eyes and rubbing board.

Permissible fresh concrete pressure:
60 kN/m² with tie spacings 55/140/55 or 50 kN/m² with tie spacings 62.5/125/62.5 according to DIN 18202, Table 3, Line 7.

Integrated crane lifting unit as well as top cover board for protecting against concrete splashes.

Height increments
VARIO standard panels are available in 60 cm height increments. These panels are simply extended for greater heights.

Base panel for extension without top cover.
VARIO standard panels for 9 m high tunnel walls.

**Width increments**
VARIO standard panels are available in 4 widths:

- 2.50 m
- 1.875 m
- 1.25 m
- 0.75 m

**VARIO standard internal corners**
The consistent leg length of 75 cm allows this design to be used as a left-hand or right-hand corner.

The VARIO standard internal corner is available in 5 heights: 2.40, 3.00, 3.60, 4.80 and 6.00 m.
Standard Applications
Continuously adjustable panel connections

The rows of slots in the PERI steel walers and couplings allow continuous tightening of panel joints of even roughly erected panels.

VARIO Coupling VKZ
With the VARIO coupling, the panels are simultaneously aligned.

The multi-functional VARIO coupling with the wedge:
- continuously tightens until joint is grout-tight
- aligns panels
- supports plywood fillers
- extends the width of panels
- fixes stopend formwork
- stabilises internal corners
- is continuously adjustable on both sides

Important:
PERI steel walers and couplings have notches in the elongated holes. These must always point towards the concrete side. As a result, the tolerances are equal to zero and the panel joints are optimally aligned.

Standard joint
The continuous adjustment possibility ensures extremely tight panel joints.

Filler joint
Any gap up to 1.25 m wide can be filled.

Internal corner
The same VARIO coupling as for the straight joint.

Oblique joint
Any angle can be shuttered with the articulated coupling.

Practical tip
Whether a wedge is locking or pulling is evident from its inclination:
Wedge tip points to the element joint
= wedge pulls
Wedge tip points away from the element joint
= wedge pushes
Neat and precise panel joints are always specifically required where special architectural requirements are placed on the concrete surface.

**VARIO Coupling Concrete Finish VKS**

With the VARIO Coupling VKS and the Alignment Clamp VRS, it is easy and quick to carry out.

The Coupling VKS allows offsets up to 5 mm to be compensated. At the same time, the Coupling VKS can be used as a “standard panel connection.”

**Handling**

- Centrally position the Coupling VKS on the element joint in the steel waler.
- The smaller side of the trapezoidal-shaped cut-outs point to the plywood. (Fig. 1)

- Position the Wedges KZ in the same way as with coupling VKZ.
- With element offsets, mount Alignment Clamp VRS on Panel ① which is positioned more rear.
- Release pulling wedge on Panel ②.
- Use counter wedge to slightly open the formlining joint on Panel ②. (Fig. 2)

- Loosen pulling and counter wedges on Panel ①.
- Eliminate panel offset by tensioning the Alignment Clamp VRS.
- Release pulling wedge on Panel ②.
- Tightly close joint on Panel ② with counter wedge.
- Counter with pulling wedge on Panel ②. (Fig. 3)
Standard Applications
Fillers, stopend formwork and panel width extensions units

Infill areas
VARIO GT 24 infill areas are shuttered using the Couplings VKZ 147 and VKZ 211.

Coupling VKZ 147
max. 0.48 m

Coupling VKZ 211
max. 1.20 m
Stopend Formwork

VARIO offers 2 possibilities for realising stopend formwork: either the Coupling VKZ or Bulkhead Tie is used.

**Coupling VKZ**
perm. tension force 50 kN.

**Bulkhead Tie**
perm. tension force 30 kN.

**Important:**
Pulling wedge must be inserted in the first hole.

Panel width extensions are also realised using VARIO with system components.
Standard Applications
External corners, internal corners and shafts

Depending on the application, external and internal corners can be formed in various alternative ways.

- With VARIO Corner Panels
- With Cross Walers & Shaft Corners
- With Special Walers

**VARIO Corner Panel**
With this solution, especially for thin walls and low utilisation, the fillers consist of standard components.

**External:**
Panel w = 2.50 m
1 panel with extension.

**Internal:**
Corner Panel w = 1.25 / 0.50 m and
Panel w = 1.25 m with filler element.

**Internal Corner**
VARIO Internal Corner with filler element.

**External Corner**
Ensure that it is tightened when the correct angle is achieved. The continuous adjustment possibility facilitates this process.

**Details of the VARIO Corner**

The waler on the panel width extension unit must project 2 cm to enable firm pre-tensioning of the corner.
Shafts

In particular, small shafts can be realised extremely cost-effectively with customised Cross Walers and the quick-release Shaft Corner SSE.

Practical tip
The shaft corner should be stripped at the very latest one day after concreting.
Standard Applications
Push-pull prop connector, crane lifting units

**Push-Pull Prop Connector**

Connecting the push-props and kickers to the VARIO panel is carried out using the Girder Headpiece or Wedge Headpiece. Fixing to the slab takes place using Base Plates and PERI Anchor Bolts 14/20 x 130.

The first panel must always be secured with 2 push-pull props.

Connecting to the GT 24 girder by means of the Girder Headpiece, Item no. 028050.

Connecting to Steel Waler SRZ with the Wedge Headpiece, Item no. 028060 and Wedge K, Item no. 024250.
Crane Lifting Unit

PERI VARIO offers three possibilities for lifting panels with the crane.

1. The Crane Splice 24 as easily assembled and dismantled lifting unit.

2. The Crane Lifting Eye 24, right / left as permanently mounted lifting unit.

3. The Crane Lifting Unit 2 t / GT 24 for very heavy formwork units.

Important:
In general, two crane lifting units are used per moving unit. The Instructions for Use contain important information and must be followed at all times.

Crane Splice 24
Permissible load-bearing capacity 700 kg with a crane sling angle of max. 15°.

Crane Lifting Eye 24, right/left
Permissible load-bearing capacity 700 kg with a crane sling angle of max. 15°.
Standard Applications
Working and Concreting Scaffold

Scaffold Bracket GB 80

The Scaffold Bracket GB 80 is used for the assembly of an 80 cm wide working scaffold. Scaffold components supplied by the contractor must comply with local valid safety regulations (for Germany DIN 4420). Timber components must conform at least to S10 or MS10 classification according to DIN 4074 as well as being clearly marked (BGR 169). Cross-section of guardrail boards: 3 cm x 15 cm. Secure planking and guardrails with nails or screws.

A correctly assembled concreting platform complete with PERI End Guardrail Frame 55, Item no. 065066.

PERI Scaffold Bracket GB 80, perm. working load 1.5 kN/m², max. width of influence 1.25 m.

Several working platform levels are required at great heights.
VARIO Platform System

Pre-assembled concreting/working platforms in different widths. Complete with guardrails, end handrail frame, push-pull prop connections and crane eye. With or without access hatch.

Ready-to-use VARIO standard panel h = 5.40 m with 2 concreting platforms, ladder and push-pull props.
Standard Applications
Panel extensions

Heights up to 8.00 m

The standard method of extension is to use the VARIO Extension Splice 24.

The flexurally stiff connection also automatically aligns the panels. The splice consists of only two components and is connected in no time with two quick action wingnuts.

Static values for the Extension Splice 24
\[
\begin{align*}
M_{\text{perm.}} &= 1.73 \text{ kNm} \\
Q_{\text{perm.}} &= 0 \text{ kN} \\
\text{or} \\
M_{\text{perm.}} &= 0 \text{ kNm} \\
Q_{\text{perm.}} &= 5 \text{ kN}
\end{align*}
\]

Extensions up to 8.00 m
8 x Extension Splices 24 for a 2.50 m element width.

60 cm high timber extension simply realised with the Extension Splice 24.

Extensions up to 5.00 m
4 x Extension Splices 24 for a 2.50 m element width.

Assembly of the Extension Splice 24 takes place through the lattice work of the GT 24 without having to drill the girders.
Heights up to 9.80 m
with overlapping girders.

Heights up to 11.90 m
with additional girders.

For more information on extensions,
see PERI Design Tables or VARIO GT 24
assembly instructions.
Special Applications
Architectural concrete | Perfect concrete surfaces with VARIO

Achieving a first-class architectural concrete finish is primarily a question of selecting the most suitable formwork and formlining. Other factors such as the accuracy of the formwork assembly, shuttering work, concrete release agent, concrete and its placing all significantly influence the result. Through the free choice of girder lengths and spacings, tie positions and formlining, the VARIO GT 24 girder wall formwork offers the highest possible degree of flexibility for the realisation of architectural concrete structures.

Attractive looking concrete finish with rough vertical board finish.

43.50 m high tower with architectural concrete with a board finish for an industrial plant.
Church steeple in Feldmoching near Munich. VARIO GT 24 on KGF 240 climbing formwork.

Consecration Hall, Neubiberg, Germany. VARIO with an orderly tie pattern. Formlining screwed on from the rear.

Exemplary fairfaced concrete with rough horizontal board finish.

Perfect architectural concrete finish with horizontal and vertical panicular pattern.
Special Applications
Architectural concrete | Perfect concrete surfaces with VARIO

Due to the freely configurable waler and tie spacings, numerous possibilities for realising neat joint and tie arrangements can be executed.

2.50 x 3.60 m panel
with tie spacings of 1.25 x 1.18 m.
2 ties horizontally, 3 ties vertically.

2.50 x 3.60 m panel
with tie spacings of 0.88 x 1.78 m.
3 ties horizontally, 2 ties vertically.

3.00 x 3.90 m panel
Architectural concrete with an orderly pattern of joints and tie spacings of 0.75 x 1.18 m. 4 ties horizontally, 3 ties vertically.

An orderly pattern of ties spaced at 0.75 x 1.18 m and smooth, architectural concrete are the result (Secondary School in Kletow).
The rough surface finish ensures that the massive tunnel portals blend into the volcanic rock landscape. The unusual washboard structure was created by using extra battens on the formlining.

The BAB 4 motorway bridge over the Triebischbach valley was constructed with 49 m high circular piers featuring trumpet-shaped pier heads.
Special Applications
Bridge construction | VARIO on climbing scaffold and working platforms

Type-tested safety with KGF 240, KG 180 and CB 240, CB 160 systems.

The KGF 240 and CB 240 carriages allow the formwork to be moved 0.75 m on the platform without a crane. The formwork is moved together with the scaffold vertically in one crane lift. This saves time.

The KGF 240 and CB 240 provide a high level of safety due to the obstruction-free surface of the platform. The brackets are positioned below the platform which means there are no tripping hazards.

The platform lining can be pre-assembled and can be used immediately when moving from one site to the next. This results in considerable assembly time savings.

Further information: Climbing Scaffold CB product brochure.
Motorway viaduct in France. Sophisticated pier geometry with an extraordinary concrete finish. Formed with VARIO GT 24 and SKS climbing brackets.

Further information:
Climbing Scaffold KG product brochure.

Further information:
Folding Platform FB 180 product brochure.

On ASG 160

On Folding Platform FB 180
Special Applications
Bridge construction | Abutments and piers

Bridge over the Danube, BAB 8 motorway near Leipheim.

Section A-A

Ground plan
Abutment and bridge pier with VARIO GT 24. Crossing structure for the suburban railway line to the new Munich Airport.

Bridge over the Danube, BAB 8 motorway near Leipheim.

Sides of hollow piers on the banks of the river, climbed with VARIO GT 24 on PERI KG 240 climbing scaffold. Adapting to the arch-shaped ends was achieved with VARIO standard components and forming boards.

Example of a bridge pier tapered towards the top.

View of the longitudinal side

Section
Special Applications
Water-retaining structures

Single-sided forming without formwork ties

When constructing locks, dams, cooling towers and walls requiring single-sided shuttering, VARIO GT 24 is frequently used with KG and CB, or SKS, climbing scaffold systems.

Magdeburg Waterway Intersection. The intersection for three transport routes: rail – road – waterway. As part of this major transportation project, a number of key structures had to be realised. The photo shows the Rothensee lock facility. It was formed with VARIO GT 24 on KG climbing scaffold and single-sided SKS climbing scaffold.

Section VARIO GT 24 on single-sided SKSF 240 climbing scaffold.
VARIO GT 24 –
tied formwork

Section VARIO GT 24,
tied girder wall formwork on KGF 240 climbing scaffold.

Power station on the River Isar near the town of Plattling-Pielwachs. Pier formwork with VARIO GT 24 in combination with GRV circular formwork. The concrete surface was realised in the form of architectural concrete with a vertical board finish. PERI VARIO GT 24’s versatility and easy adaptability makes it a particularly cost-effective shuttering system in this area.

Front of the weir pier. VARIO in combination with GRV circular formwork system on KGF 240 climbing scaffold.

Rear side of the weir pier. The VARIO GT 24 could be easily adapted to suit the inclined rear wall requirements.
Special Applications
Water-retaining structures | Circular structures with VARIO

VARIO GT 24 – for shuttering circular structures

The VARIO articulated couplings connect the straight steel walers in a polygonal arrangement. It can be moved continuously to the right or to the left via the wedges. This results in a flush and neat panel joint.

In general, two design versions is standard.

Silo, h = 72 m, Ø = 20 m for power station in Oppeln, Poland. Shuttered with circular VARIO girder formwork on KGF climbing scaffold.
Version 1
Spacer timber inserted between GT 24 girders and SRZ steel walers.

The haunched transition to the ground slab was pre-assembled with the VARIO wall formwork panels to form a single unit for lifting.

Version 2
Segment profile timbers between the formlining and girders.

7.50 m height circular formwork with segment profile timbers on the GT 24 girders.
Special Applications
Single-sided walls | With VARIO and Brace Frame SB

For concreting against rock faces, existing walls or sheet piling, VARIO GT 24 with SB Brace Frames is used.

PERI brace frames
allow single-sided concreting up to a max. height of 8.75 m (see PERI Design Tables).

PERI Brace Frames SB-A0, A, B, C
are sized for loading on a lorry or in a container.

PERI brace frames
can be connected to all PERI wall formwork systems with standard system components.

Max. concreting height of 8.75 m, Brace Frame SB-A0, A, B and C with VARIO GT 24 wall formwork.

The PERI V-Tie Holder
For easy and accurate installation of anchors when using brace frames.

The V-Tie Holder and the Leading Anchor Coupler allow accurate assembly of the Tension Anchor under 45°.

The advantages of the anchoring system with the Leading Anchor Coupler and V-Tie Holder are:
- less on-site material requirements
- no need to cut the tie rods to size
- tie rods are recoverable

The tension forces arising at the brace frame’s anchor point determine the choice of anchor system.

Example: DW 20 anchor system
Perm. tension force according to DIN 18216 2 x 150 kN = 300 kN.

Anchor system is easily fixed to the reinforcement with wire and pliers.

The Leading Anchor Coupler is removed using the Single-Ended Spanner SW 70.
When using PERI brace frames, the following must be taken into consideration:

1. The structural members (e.g. foundations or ground slabs) must be able to carry the tension and compression forces arising. Check the design of the members and position of the anchors when planning.
2. The “other side” of the single-sided formwork (existing walls, planking, rocks etc.) must obviously be able to withstand the fresh concrete pressure acting upon it.
3. DW tie rods installed for anchoring purposes must not be welded or bent. We recommend the use of PERI V-Tie Holders.

The following connecting parts are required for connecting VARIO GT 24 to Brace Frames SB-A0, A, B and C:

- **Waler Connector SB-A, B, C**
  - Item no.: 025760
- **Wedge K, galv.**
  - Item no.: 024250

Example:
VARIO GT 24 h = 8.75 m.
<table>
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<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Girders GT 24</th>
<th>L</th>
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<tbody>
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<td>075100</td>
<td>5.300</td>
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<td>918</td>
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### VARIO GT 24 Girder Wall Formwork

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<td>VARIO Standard Panels S b = 2.50 m</td>
<td>Panel h = 2.40 m, without Cover Board and Crane Eyes 24. Permissible load-bearing point capacity 700 kg with crane sling angle $\leq 15^\circ$.</td>
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Pre-assembled panels with 21 mm plywood. With Slip Boards, Cover Board and Crane Eyes 24.

**Protection Board 250**

As top covering for VARIO GT 24 standard panels.
## VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>VARIO Standard Panels S $b = 1.875$ m</th>
</tr>
</thead>
<tbody>
<tr>
<td>101248</td>
<td>237.000</td>
<td>VARIO Standard Panel S 1875 x 240</td>
</tr>
<tr>
<td>101249</td>
<td>284.000</td>
<td>VARIO Standard Panel S 1875 x 300</td>
</tr>
<tr>
<td>101250</td>
<td>364.000</td>
<td>VARIO Standard Panel S 1875 x 360</td>
</tr>
<tr>
<td>101251</td>
<td>444.000</td>
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<tr>
<td>101252</td>
<td>481.000</td>
<td>VARIO Standard Panel S 1875 x 480</td>
</tr>
<tr>
<td>101253</td>
<td>562.000</td>
<td>VARIO Standard Panel S 1875 x 540</td>
</tr>
<tr>
<td>101254</td>
<td>598.000</td>
<td>VARIO Standard Panel S 1875 x 600</td>
</tr>
</tbody>
</table>

Pre-assembled panels with 21 mm plywood. With Slip Boards, Cover Board and Crane Eyes 24.

### Note
Panel $h = 2.40$ m, without Cover Board and Crane Eyes 24.
Permissible load-bearing point capacity 700 kg with crane sling angle $\leq 15^\circ$.

---

### Protection Board 1875
As top covering for VARIO GT 24 standard panels.
VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
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<tbody>
<tr>
<td>101255</td>
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</tr>
<tr>
<td>101256</td>
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<td>101257</td>
<td>267.000</td>
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<tr>
<td>101258</td>
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<td>101259</td>
<td>352.000</td>
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<td>101260</td>
<td>410.000</td>
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<tr>
<td>101261</td>
<td>438.000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>101255</td>
<td>173.000</td>
</tr>
<tr>
<td>101256</td>
<td>209.000</td>
</tr>
<tr>
<td>101257</td>
<td>267.000</td>
</tr>
<tr>
<td>101258</td>
<td>324.000</td>
</tr>
<tr>
<td>101259</td>
<td>352.000</td>
</tr>
<tr>
<td>101260</td>
<td>410.000</td>
</tr>
<tr>
<td>101261</td>
<td>438.000</td>
</tr>
</tbody>
</table>

Pre-assembled panels with 21 mm plywood. With Slip Boards, Cover Board and Crane Eyes 24.

**Note**
Panel \( h = 2.40 \text{ m} \), without Cover Board and Crane Eyes 24.
Permissible load-bearing point capacity 700 kg with crane sling angle \( \leq 15^\circ \).

**Protection Board 125**
As top covering for VARIO GT 24 standard panels.

---

101319 2.860 Protection Board 125
As top covering for VARIO GT 24 standard panels.
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>VARIO Standard Panels S b = 1.00 m</th>
<th>Note</th>
</tr>
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<tbody>
<tr>
<td>101411</td>
<td>138.000</td>
<td>VARIO Standard Panel S 100 x 240</td>
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<tr>
<td>101410</td>
<td>168.000</td>
<td>VARIO Standard Panel S 100 x 300</td>
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<tr>
<td>101409</td>
<td>214.000</td>
<td>VARIO Standard Panel S 100 x 360</td>
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</tr>
<tr>
<td>101408</td>
<td>260.000</td>
<td>VARIO Standard Panel S 100 x 420</td>
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<tr>
<td>101407</td>
<td>283.000</td>
<td>VARIO Standard Panel S 100 x 480</td>
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<td>VARIO Standard Panel S 100 x 540</td>
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<td>101405</td>
<td>351.000</td>
<td>VARIO Standard Panel S 100 x 600</td>
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</tr>
</tbody>
</table>

Pre-assembled panels with 21 mm plywood. With Slip Boards, Cover Board and Crane Eyes 24.

---

**Protection Board 100**

As top covering for VARIO GT 24 standard panels.

### Note

Panel h = 2.40 m, without Cover Board and Crane Eyes 24.

Permissible load-bearing point capacity 700 kg with crane sling angle ≤ 15°.
VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>VARIO Internal Edges S 75/75</th>
<th>VARIO Internal Edge S 75/75 x 240</th>
<th>VARIO Internal Edge S 75/75 x 300</th>
<th>VARIO Internal Edge S 75/75 x 360</th>
<th>VARIO Internal Edge S 75/75 x 480</th>
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<tbody>
<tr>
<td>101471</td>
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<td>101469</td>
<td>328.000</td>
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<tr>
<td>101467</td>
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<td>101465</td>
<td>539.000</td>
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</tr>
</tbody>
</table>

Pre-assembled panels with 21 mm plywood. With Slip Boards, Cover Board and Crane Eyes 24.

Note
Panel h = 2.40 m, without Cover Board and Crane Eyes 24.
Permissible load-bearing point capacity 700 kg with crane sling angle ≤ 15°.

Protection Board IE 75/75
As top covering for VARIO GT 24 standard panels.
VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>010030</td>
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<td>010610</td>
<td>30.400</td>
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<tr>
<td>010060</td>
<td>38.300</td>
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<tr>
<td>010070</td>
<td>40.900</td>
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<tr>
<td>010050</td>
<td>51.600</td>
</tr>
<tr>
<td>010120</td>
<td>61.500</td>
</tr>
</tbody>
</table>

Steel Walers SRZ U100

- Steel Walers SRZ U100, l = 0.95 m
- Steel Walers SRZ U100, l = 1.20 m
- Steel Walers SRZ U100, l = 1.45 m
- Steel Walers SRZ U100, l = 1.825 m
- Steel Walers SRZ U100, l = 1.95 m
- Steel Walers SRZ U100, l = 2.45 m
- Steel Walers SRZ U100, l = 2.95 m

Steel Waler for VARIO GT 24 panels and special applications.

Technical Data

- U100: Wy = 82.4 cm³, ly = 412 cm⁴.
- U120: Wy = 121.4 cm³, ly = 728 cm⁴.
- U140: Wy = 172.8 cm³, ly = 1210 cm⁴.

Note

Special lengths and other profile sizes on request.

Additional Row of SRZ Slots

Steel Walers SRZ spec. length

- Steel Walers SRZ U100 spec. length
- Steel Walers SRZ U120 spec. length
- Steel Walers SRZ U140 spec. length

Technical Data

- U100: Wy = 82.4 cm³, ly = 412 cm⁴.
- U120: Wy = 121.4 cm³, ly = 728 cm⁴.
- U140: Wy = 172.8 cm³, ly = 1210 cm⁴.

End Plate SRZ

For Steel waler SRZ with special lengths.
## VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>010200</td>
<td>42.300</td>
<td><strong>Steel Walers VSRZ</strong></td>
<td></td>
</tr>
<tr>
<td>010440</td>
<td>32.100</td>
<td><strong>Steel Waler VSRZ-24 U100, ( l = 1.20/12 )</strong></td>
<td><strong>Note</strong> Special lengths and other profile sizes on request. <strong>Technical Data</strong></td>
</tr>
<tr>
<td>010420</td>
<td>58.800</td>
<td><strong>Steel Waler VSRZ-24 U100, ( l = 2.45/12 )</strong></td>
<td>( W_y = 82.4 \text{ cm}^3, l_y = 412 \text{ cm}^4 ).</td>
</tr>
<tr>
<td>010490</td>
<td>0.000</td>
<td><strong>Welding Unit for VSRZ/12</strong></td>
<td></td>
</tr>
<tr>
<td>010500</td>
<td>0.000</td>
<td><strong>Welding Unit for VSRZ</strong></td>
<td></td>
</tr>
</tbody>
</table>

Steel waler for VARIO GT 24 corner panels and special applications.

---

**Note**

When ordering, state dimensions \( L_1 \).

### Technical Data

**U100:** \( W_y = 82.4 \text{ cm}^3, l_y = 412 \text{ cm}^4 \).

**U120:** \( W_y = 121.4 \text{ cm}^3, l_y = 728 \text{ cm}^4 \).

**U140:** \( W_y = 172.8 \text{ cm}^3, l_y = 1210 \text{ cm}^4 \).

---

### Technical Data

**U100:** \( W_y = 82.4 \text{ cm}^3, l_y = 412 \text{ cm}^4 \).

**U120:** \( W_y = 121.4 \text{ cm}^3, l_y = 728 \text{ cm}^4 \).

**U140:** \( W_y = 172.8 \text{ cm}^3, l_y = 1210 \text{ cm}^4 \).

---

**Internal Corner Waler IRZ 75/75**

Steel waler for VARIO GT 24 corner panel 75 x 75 cm. Allows easy striking.

**Technical Data**

\( W_y = 82.4 \text{ cm}^3, l_y = 412 \text{ cm}^4 \).
## VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>012050</td>
<td>22.000</td>
<td>Cross Walers KRZ spec. length</td>
</tr>
<tr>
<td>012150</td>
<td>38.700</td>
<td>Column Walers SSRZ-24 U-100</td>
</tr>
<tr>
<td>012160</td>
<td>45.700</td>
<td>Column Walers SSRZ-24 U-100, ( l = 0.97/0.85 ) m</td>
</tr>
<tr>
<td>012090</td>
<td>33.000</td>
<td>Cross Walers KRZ U100, spec. length</td>
</tr>
<tr>
<td>012100</td>
<td>30.900</td>
<td>Column Walers SSRZ-24 U-100, ( l = 1.13/1.01 ) m</td>
</tr>
<tr>
<td>012070</td>
<td>28.000</td>
<td>Cross Walers KRZ U120, spec. length</td>
</tr>
<tr>
<td>012080</td>
<td>38.200</td>
<td>Cross Walers KRZ U140, spec. length</td>
</tr>
<tr>
<td>012060</td>
<td>44.700</td>
<td>Cross Walers KRZ U120, ( l = 1.22 ) m</td>
</tr>
<tr>
<td>012030</td>
<td>30.000</td>
<td>Cross Walers KRZ U140, ( l = 1.47 ) m</td>
</tr>
<tr>
<td>012020</td>
<td>28.000</td>
<td>Welding Unit for KRZ</td>
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<tr>
<td>012010</td>
<td>24.200</td>
<td>Steel Walers Universal SRU U120, ( l = 0.97 ) m</td>
</tr>
<tr>
<td>012000</td>
<td>28.000</td>
<td>Steel Walers Universal SRU U120, ( l = 1.22 ) m</td>
</tr>
<tr>
<td>010160</td>
<td>30.000</td>
<td>Steel Walers Universal SRU U120, ( l = 1.47 ) m</td>
</tr>
<tr>
<td>010150</td>
<td>24.700</td>
<td>Steel Walers Universal SRU U120, ( l = 1.72 ) m</td>
</tr>
<tr>
<td>010170</td>
<td>0.736</td>
<td>Bolt ( \varnothing 20 \times 205 ), galv.</td>
</tr>
<tr>
<td>010180</td>
<td>0.000</td>
<td>Wedge KZ, galv.</td>
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</tbody>
</table>

### Note
- When ordering, state dimensions \( L_1 \) and \( L_2 \).
- Special lengths and other profile sizes available on request.

### Technical Data
- U100: \( W_y = 82.4 \text{ cm}^3 \), \( l_y = 412 \text{ cm}^4 \).
- U120: \( W_y = 121.4 \text{ cm}^3 \), \( l_y = 728 \text{ cm}^4 \).
- U140: \( W_y = 172.8 \text{ cm}^3 \), \( l_y = 1210 \text{ cm}^4 \).

### Accessories
- Steel Walers Universal SRU U120, \( l = 0.97 \) m
- Steel Walers Universal SRU U120, \( l = 1.22 \) m
- Steel Walers Universal SRU U120, \( l = 1.47 \) m
- Steel Walers Universal SRU U120, \( l = 1.72 \) m
- Bolt \( \varnothing 20 \times 205 \), galv.
VARIO GT 24 Girder Wall Formwork

<table>
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<tr>
<th>Item no.</th>
<th>Weight kg</th>
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<tbody>
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<td>103871</td>
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<td>103925</td>
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<td>103928</td>
<td>159.000</td>
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</tbody>
</table>

Steel Walers Universal SRU

Steel Waler Universal SRU U120, l = 0.72 m
Steel Waler Universal SRU U120, l = 0.97 m
Steel Waler Universal SRU U120, l = 1.22 m
Steel Waler Universal SRU U120, l = 1.47 m
Steel Waler Universal SRU U120, l = 1.72 m
Steel Waler Universal SRU U120, l = 1.97 m
Steel Waler Universal SRU U120, l = 2.22 m
Steel Waler Universal SRU U120, l = 2.47 m
Steel Waler Universal SRU U120, l = 2.72 m
Steel Waler Universal SRU U120, l = 2.97 m
Steel Waler Universal SRU U120, l = 3.47 m
Steel Waler Universal SRU U120, l = 3.97 m
Steel Waler Universal SRU U120, l = 4.47 m
Steel Waler Universal SRU U120, l = 4.97 m
Steel Waler Universal SRU U120, l = 5.47 m
Steel Waler Universal SRU U120, l = 5.97 m

Universal Steel Waler Profile U120 used as waling for girder wall formwork and for diverse special applications. With adjustable spacers.

Note
Permissible load: see PERI Design Tables.
Technical Data
U120: Wy = 121.4 cm³, ly = 728 cm⁴.
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
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<tbody>
<tr>
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<tr>
<td>103943</td>
<td>157.000</td>
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</tbody>
</table>

#### Steel Waler Universal SRU U140, l = 4.97 m
Universal steel waler profile U140 used as waling for girder wall formwork and for diverse special applications. With adjustable spacers.

#### Note
Permissible load: see PERI Design Tables.

#### Technical Data
U140: Wy = 172.8 cm³, lᵧ = 1210 cm⁴.

---

#### Extension VARIO 24 U120
For assembly on Steel Waler SRU.

#### Complete with
- 4 pc. 710252 Bolt ISO 4017 M16 x 50-8.8, galv.
- 4 pc. 104024 Nut ISO 7040 M16-8, galv.
- 4 pc. 710880 Washer DIN 434 18, galv.

#### Technical Data
U120: Wy = 121.4 cm³, lᵧ = 728 cm⁴.

---

#### Hook Strap HB 24-100/120, galv.
For fixing GT 24 Girders to Steel Walers SRZ, SRU and BR: U100 – U120.
VARIO GT 24 Girder Wall Formwork

**Item no.** | **Weight kg** | **Description** | **Notes**
--- | --- | --- | ---
024640 | 0.923 | **Hook Strap HB 24-140/160, galv.** For fixing GT 24 Girders to Steel Walers SRZ, SRU and BR: U140 – U160. | Girders fixed in position with the quick strap must be specially screwed to the formlining when using crane lifting gears.

---

**Item no.** | **Weight kg** | **Description** | **Notes**
--- | --- | --- | ---
024630 | 0.742 | **Fix Strap U100 – U120, galv.** For fixing the GT 24 Girder in the VARIO Corner. |  

---

**Item no.** | **Weight kg** | **Description** | **Notes**
--- | --- | --- | ---
024640 | 0.923 | **Quick Str. Hook Strap 24-100/140, galv.** For fixing GT 24 Girders to Steel Waler SRZ, SRU, Profile U100 – U140 outside of the girders nodes. | Girders fixed in position with the quick strap must be specially screwed to the formlining when using crane lifting gears.

---

**Item no.** | **Weight kg** | **Description** | **Notes**
--- | --- | --- | ---
071218 | 0.000 | **Accessories Hook Straps HB** |  
126228 | 0.030 | **Screw Change HB, incl. Screws** |  
710240 | 0.050 | **F.H. Bolt DIN 603 M8 x 70 MU, galv.** |  
024090 | 0.005 | **F.H. Bolt DIN 603 M8 x 100 MU, galv.** |  
024080 | 0.735 | **Nut ISO 4032 M8-8, galv.** |  

---

**Item no.** | **Weight kg** | **Description** | **Notes**
--- | --- | --- | ---
024600 | 0.907 | **Girder Claw HB** For mounting the GT 24 Edge Girder on the Steel Waler SRZ and SRU Profile U100 – U120. |  

---

**Item no.** | **Weight kg** | **Description** | **Notes**
--- | --- | --- | ---
024610 | 0.234 | **Hook Strap HB 24-100/140, galv.** For fixing GT 24 Girders to Steel Walers SRZ, SRU, Profile U100 – U140 outside of the girders nodes. |  

---

**Item no.** | **Weight kg** | **Description** | **Notes**
--- | --- | --- | ---
024620 | 0.172 | **Quick Str. Hook Strap 24-100/140, galv.** For fixing GT 24 Girders to Steel Waler SRZ, SRU, Profile U100 – U140 outside of the girders nodes. | Girders fixed in position with the quick strap must be specially screwed to the formlining when using crane lifting gears.
### Hook Straps Uni HBU
- **Item no.** 104931, 103845
- **Weight kg** 0.865, 0.893

For fixing GT 24 Girders or VT 20 Girders to Steel Walers SRZ and SRU Profiles U100 – U140.

### Hook Straps Uni Double HBUD
- **Item no.** 104930, 104096
- **Weight kg** 0.887, 0.912

For fixing two GT 24 Girders or VT 20 Girders to SRZ Steel Walers and SRU Profiles U100 – U140.

### Accessories Hook Straps HBU, HBUD
- **Item no.** 071219, 104929, 107185, 103518, 103844
- **Weight kg** 0.000, 0.050, 0.060, 0.060, 0.013

- Bolt ISO 4014 M8 x 150-8.8, galv.
- Bolt ISO 4014 M8 x 180-8.8, galv.
- Bolt ISO 4014 M8 x 190-8.8, galv.
- Sleeve HBU/HBUD, galv.

### Hook Strap HB 24 QB 150, galv.
- **Item no.** 024860
- **Weight kg** 0.616

For fixing GT 24 Girders independent from girder node and timber beams to Steel Walers SRZ, SRU and BR: U100 – U120.

---

**Note**
The girders can be mounted at right-angles or diagonally to the steel walers and also outside of the nodes.
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>072220</td>
<td>0.400</td>
<td>Bit Holder for SCU 7-9</td>
</tr>
<tr>
<td>072140</td>
<td>0.005</td>
<td>Bit Point TX 30</td>
</tr>
<tr>
<td>128016</td>
<td>0.760</td>
<td>Replacement Battery Li-Ion 18V</td>
</tr>
</tbody>
</table>

### Accessories Cordless Combi Drill ABS 18

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>072220</td>
<td>0.400</td>
<td>Bit Holder for SCU 7-9</td>
</tr>
<tr>
<td>072140</td>
<td>0.005</td>
<td>Bit Point TX 30</td>
</tr>
</tbody>
</table>

**Note**
Follow Instructions for Use!

---

**Item no.** 024470 024690
**Weight kg** 0.008 0.008
**Description**
TSS-Torxs, galv.
TSS-Torx 6 x 60, galv.
TSS-Torx 6 x 80, galv.
For Torx Blade TX 30. Self-drilling.

---

**Item no.** 110272
**Weight kg** 0.006
**Description**
TSS-Torx 6 x 60, ZKS, galv.
For Torx Blade TX 30. Self-drilling.

---

**Item no.** 024270 024260
**Weight kg** 0.023 0.027
**Description**
Lag Screws DIN 571, galv.
Lag Screw DIN 571 8 x 60, galv.
Lag Screw DIN 571 8 x 80, galv.

---

**Item no.** 128013
**Weight kg** 2.100
**Description**
Cordless Combi Drill ABS 18
Universal power screwdriver with continuous electronic speed control and clockwise/anti-clockwise rotation. Including 2 batteries and a battery charger in case.
<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>128011</td>
<td>1.800</td>
<td><strong>Cordless Impact Screwdriver ASCD 18-W2</strong></td>
<td>Follow Instructions for Use!</td>
</tr>
<tr>
<td>128016</td>
<td>0.760</td>
<td><strong>Replacement Battery Li-ion 18V</strong></td>
<td>Follow Instructions for Use!</td>
</tr>
<tr>
<td>072180</td>
<td>0.560</td>
<td><strong>Ratchet Wrench 1/2”</strong></td>
<td>Technical Data</td>
</tr>
<tr>
<td>030370</td>
<td>1.660</td>
<td><strong>Wingnut Pivot Plate DW 15, galv.</strong></td>
<td>Wrench size SW 27.</td>
</tr>
</tbody>
</table>

**Technical Data**  
- Permissible load 90 kN.
## VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Note</th>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>030030</td>
<td>1.440</td>
<td>Tie Rod DW 15, spec. length</td>
<td></td>
<td>Permissible tension force 90 kN.</td>
</tr>
<tr>
<td>030050</td>
<td>0.000</td>
<td>Cutting Cost Tie Rod DW 15, B 15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>065027</td>
<td>0.359</td>
<td><strong>Spacer Tube rough DR 22, l = 2.00 m</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plastic Spacer Tube for DW 15, B 15.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>031050</td>
<td>1.780</td>
<td><strong>Tie Rod Wrench 20, galv.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>For easy handling of Tie Rod DW 20.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>065036</td>
<td>0.002</td>
<td><strong>Plug DR 22</strong></td>
<td></td>
<td>Delivery unit 1000 pieces.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plastic. Suitable for Spacer Tube DR 22.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>065033</td>
<td>0.010</td>
<td><strong>Cone DR 22</strong></td>
<td></td>
<td>Delivery unit 500 pieces.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plastic. Suitable for Spacer Tube DR 22.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### VARIO GT 24 Girder Wall Formwork

#### Item no. | Weight kg
---|---
013010 | 9.000
013020 | 13.300
013030 | 19.100
013080 | 9.000

**Couplings VKZ**
- Coupling VKZ 99
- Coupling VKZ 147
- Coupling VKZ 211
- Coupling VKZ spec. length

For connection of SRZ and SRU Steel Walers.

#### Offset Coupling VVKZ 3/99
- Item no. 101395 | Weight 7.110

For connecting extended and non-extended VARIO panels above the extension.

#### Corner Couplings EKZ
- Item no. 013140 | Weight 11.900
- Item no. 013130 | Weight 13.300
- Item no. 103938 | Weight 8.850
- Item no. 013180 | Weight 9.000

**Corner Couplings EKZ spec. length**

For continuously variable tight (tension and compression) connection of SRZ and SRU Steel Walers.

### Technical Data

- W_y = 171 cm^3, I_y = 68.3 cm^4.
VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>103850</td>
<td>24.700</td>
</tr>
</tbody>
</table>

**Outside Corner Coupling AKZ 85/85**
For providing tensile and compression-proof connections of Steel Walers SRZ and SRU on external corners.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>013220</td>
<td>11.500</td>
</tr>
<tr>
<td>013210</td>
<td>14.400</td>
</tr>
<tr>
<td>013230</td>
<td>9.000</td>
</tr>
</tbody>
</table>

**Articulated Couplings GKZ**
- **Articulated Coupling GKZ 60/60**
- **Articulated Coupling GKZ 76/76**
- **Articulated Coupling GKZ spec. length**
For continuously variable tight (tension and compression) connection of SRZ and SRU Steel Walers with oblique angles more than 48°.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>102825</td>
<td>8.610</td>
</tr>
</tbody>
</table>

**VARIO Coupling Concrete Finish VKS 99**
For connecting VARIO GT 24 panels. Allows compensation of up to max. 5 mm panel offsets.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>102945</td>
<td>2.070</td>
</tr>
</tbody>
</table>

**Accessories**
- **VARIO Alignment Clamp VRS**
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>103054</td>
<td>11.200</td>
</tr>
<tr>
<td>102945</td>
<td>2.070</td>
</tr>
<tr>
<td>103737</td>
<td>10.800</td>
</tr>
<tr>
<td>104031</td>
<td>0.462</td>
</tr>
<tr>
<td>018060</td>
<td>0.014</td>
</tr>
<tr>
<td>104031</td>
<td>0.462</td>
</tr>
<tr>
<td>018060</td>
<td>0.014</td>
</tr>
</tbody>
</table>

#### Articulated Coupling GKS 60/60 S
For connecting VARIO GT 24 panels. Allows compensation of up to max. 5 mm panel offsets.

![Articulated Coupling GKS 60/60 S](image)

#### Accessories
- **Fitting Pin Ø 21 x 120**
- **Cotter Pin 4/1, galv.**

#### VARIO Alignment Clamp VRS
Complete with 1 pc. 030370 Wingnut Pivot Plate DW 15, galv.

![VARIO Alignment Clamp VRS](image)

#### Universal Coupling UK 70
For a rigid connection of Steel Walers SRU and for connecting Heavy-Duty Spindles SLS.

![Universal Coupling UK 70](image)

#### Note
Permissible load: see PERI Design Tables.

#### Accessories
- **Fitting Pin Ø 21 x 120**
- **Cotter Pin 4/1, galv.**
<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Technical Data</th>
</tr>
</thead>
</table>
| 024210  | 2.180     | **Tie Yoke SKZ**  
For tensioning on external corners with Steel Waler SRZ, SRU, U100 – U140 and VARIO couplings. |  
Permissible tension force 30.0 kN. |
| 013240  | 2.100     | **Stopend Tie**  
For assembling stopend formwork with VARIO GT 24. |  |
| 024240  | 0.805     | **Wedge KZ, galv.**  
For connecting panels with VARIO Couplings or Tie Yoke SKZ. |  |
VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>024220</td>
<td>1.230</td>
</tr>
</tbody>
</table>
|          | **Coupling Compression Plate KDP**  
For mounting girders to VARIO Couplings in infill areas. |

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>024250</td>
<td>0.331</td>
</tr>
</tbody>
</table>
|          | **Wedge K, galv.**  
For Coupling Compression Plate KDP, Wedge Head  
Piece SRZ/SRU and Waler Connector SB-A, B, C. |

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>031200</td>
<td>0.470</td>
</tr>
<tr>
<td></td>
<td><strong>Chamfer Strip with Flange, l = 2.50 m</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>030260</td>
<td>0.500</td>
</tr>
<tr>
<td>101706</td>
<td>1.230</td>
</tr>
</tbody>
</table>
|          | **Formwork Joints**  
**Formwork Joint 21/20, l = 2.50 m**  
**Formwork Joint 21/40, l = 3.00 m**  
Plastic profile strip for easier striking of shafts. |
## VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Quick Release Corners SSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>025200</td>
<td>32.200</td>
<td>Quick Release Corner SSE 1.0 m</td>
</tr>
<tr>
<td>025210</td>
<td>70.000</td>
<td>Quick Release Corner SSE 2.0 m</td>
</tr>
<tr>
<td>025220</td>
<td>105.000</td>
<td>Quick Release Corner SSE 3.0 m</td>
</tr>
<tr>
<td>025230</td>
<td>140.000</td>
<td>Quick Release Corner SSE 4.0 m</td>
</tr>
<tr>
<td>025240</td>
<td>180.000</td>
<td>Quick Release Corner SSE 5.0 m</td>
</tr>
<tr>
<td>025250</td>
<td>35.000</td>
<td>Quick Release Corner SSE spec. length</td>
</tr>
</tbody>
</table>

For easier striking of shaft internal formwork. We recommend removing the shaft corner immediately after concreting.

### Note

Formlining size is 15 cm shorter than the dimension of the concrete.

---

### Hook Strap for SB-1, 2

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>027590</td>
<td>2.400</td>
</tr>
</tbody>
</table>

For fixing Brace Frame SB-1 and SB-2 to Steel Waler SRZ and SRU Profile U100 – U140.

---

### Extension Splice 24-2

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>024480</td>
<td>7.040</td>
</tr>
</tbody>
</table>

For extending GT 24 girders and VARIO GT 24 panels up to max. height of 8.00 m.

### Complete with

2 pc. 030190 Three Wingnut DW 15, galv.

### Note

Permissible load: see PERI Design Tables.
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>070760</td>
<td>4.650</td>
</tr>
</tbody>
</table>

**Crate Splice GT 24**

For transporting elements by crane with the GT 24 girder.

**Complete with**

- 1 pc. 018050 Pin Ø 16 x 65/86, galv.
- 1 pc. 018060 Cotter Pin 4/1, galv.

**Note**

Follow Instructions for Use!

**Technical Data**

Permissible load-bearing capacity 2.0 t with crane sling angle ≤ 30°.

---

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>021990</td>
<td>2.780</td>
</tr>
<tr>
<td>021980</td>
<td>2.780</td>
</tr>
</tbody>
</table>

**Crate Eyes 24**

**Crate Eye 24, right**

For transporting elements by crane with the GT 24 girder. Mounted securely to the element.

**Complete with**

- 4 pc. 710138 Bolt ISO 4014 M10 x 110-8.8, galv.
- 4 pc. 780356 Nut ISO 7042 M10-8, galv.
- 4 pc. 710139 Washer R11 DIN 440, galv.

**Note**

Illustration shows Crate Eye 24, left. Follow Instructions for Use!

**Technical Data**

Permissible load-bearing capacity 700 kg with crane sling angle ≤ 15°.

---

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>111238</td>
<td>19.800</td>
</tr>
</tbody>
</table>

**Crate Hook 2 t / GT 24**

For transporting elements by crane with the GT 24 Girder. Adjustable from 230 to 410 mm.

**Complete with**

- 1 pc. 018060 Cotter Pin 4/1, galv.
- 8 pc. 710138 Bolt ISO 4014 M10 x 110-8.8, galv.
- 8 pc. 780356 Nut ISO 7042 M10-8, galv.

**Note**

Follow Instructions for Use!

**Technical Data**

Permissible load-bearing capacity 2.0 t with crane sling angle ≤ 30°.
## VARIO GT 24 Girder Wall Formwork

### Scaffold Bracket GB 80
For assembly of a working and concreting scaffold with GT 24 girder.

### Technical Data
Permissible load 150 kg/m². Maximum width of influence 1.25 m.

### Corner Scaffold Brackets EGB

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>027110</td>
<td>11.000</td>
</tr>
<tr>
<td>027070</td>
<td>13.800</td>
</tr>
</tbody>
</table>

**Corner Scaffold Bracket EGB 24 – 80, right**
For assembling a working scaffold to panels with GT 24 Girders. With securing bolts.

**Technical Data**
Permissible load 150 kg/m² with a maximum width of influence 1.25 m.

**Note**
Illustration shows Corner Scaffold Bracket EGB 24 – 80 right.
### Handrail Post Holder VARIO
For assembling a guardrail with GT 24 Girder.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>112159</td>
<td>2.120</td>
</tr>
</tbody>
</table>

### Complete with
- 1 pc. 024250 Wedge K, galv.
- 1 pc. 780800 Sleeve ISO 8752 8 x 20, galv.

**Technical Data**
- Maximum width of influence 2.00 m.

### Guardrail Post HSGP-2
As guardrail for different systems.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>116292</td>
<td>4.720</td>
</tr>
</tbody>
</table>

### Accessories
- Guardrail Post HSGP-2

### Platform VARIO 100 x 250 with Hatch
Pre-assembled working platform for VARIO GT 24 panels.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>105985</td>
<td>156.000</td>
</tr>
</tbody>
</table>

### Complete with
- 2 pc. 100813 Platform Guardrail 80

**Technical Data**
- Permissible load 150 kg/m².
<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>102415</td>
<td>98.800</td>
<td>Platform VARIO 100 x 125 with Hatch</td>
<td>Permissible load 150 kg/m².</td>
</tr>
<tr>
<td>100813</td>
<td>4.980</td>
<td>Accessories</td>
<td>Platform Guardrail 80</td>
</tr>
<tr>
<td>105986</td>
<td>155.000</td>
<td>Platform VARIO 100 x 250 without Hatch</td>
<td>Complete with 2 pc. 100813 Platform Guardrail 80</td>
</tr>
</tbody>
</table>
VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>102920</td>
<td>115.000</td>
</tr>
<tr>
<td>103203</td>
<td>84.900</td>
</tr>
</tbody>
</table>

Platforms VARIO without Hatch
- Platform VARIO 100 x 1875
- Platform VARIO 100 x 100

Pre-assembled working platform for VARIO GT 24 panels.

External Corner Platform VARIO

Pre-assembled working platform for VARIO GT 24 panels. Connecting platform with pivot-mounted end handrail. For external corners from 80° to 100°.

Technical Data
Permissible load 150 kg/m².

End Platform VARIO

Pre-assembled working platform for VARIO GT 24 stopend formwork. 2 pieces per set of stopend formwork and platform level.

Accessories
- Platform Guardrail 80

Technical Data
Permissible load 150 kg/m².

Accessories
- Guardrail for End Platform VARIO

External Corner Platform VARIO

Pre-assembled working platform for VARIO GT 24 panels. Connecting platform with pivot-mounted end handrail. For external corners from 80° to 100°.

Technical Data
Permissible load 150 kg/m².
**Guardrail for End Platform VARIO**

For assembly on VARIO End Platform with wall thicknesses up to 0.50 m. With foldable VARIO Platform Handrail 80.

- Complete with
  - 2 pc. 102414 Bolt Ø 12 x 105 x 5 x 95-ST, galv.
  - 2 pc. 018060 Cotter Pin 4/1, galv.

---

**Platform Guardrail 80**

End handrail for various platforms. Pivot-mounted.

- Complete with
  - 2 pc. 102414 Bolt Ø 12 x 105 x 5 x 95-ST, galv.
  - 2 pc. 018060 Cotter Pin 4/1, galv.

---

**Connector for Platform VARIO**

For connecting the VARIO platforms and platform struts to GT 24 girders.

- Complete with
  - 1 pc. 027170 Pin Ø 16 x 42, galv.
  - 1 pc. 018060 Cotter Pin 4/1, galv.
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>101273</td>
<td>7.780</td>
</tr>
<tr>
<td>101269</td>
<td>11.200</td>
</tr>
</tbody>
</table>

**Platform Struts VARIO**
- Platform Strut VARIO 167
- Platform Strut VARIO 246

For assembling VARIO platforms. 2 pieces per platform.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>105480</td>
<td>16.600</td>
</tr>
<tr>
<td>105484</td>
<td>16.600</td>
</tr>
</tbody>
</table>

**Platform Beams VARIO**
- Platform Beam VARIO, left
- Platform Beam VARIO, right

For assembling VARIO GT 24 filler platforms with bolted boarding.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>105823</td>
<td>9.310</td>
</tr>
</tbody>
</table>

**Platform Bracket VARIO VBK 90**

For assembly of a working and concreting scaffold on elements with GT 24 girders. With safety pins and cotter pins.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>116292</td>
<td>4.720</td>
</tr>
</tbody>
</table>

**Guardrail Post HSGP-2**

**Complete with**
- 2 pc. 018050 Pin Ø 16 x 65/86, galv.
- 2 pc. 018060 Cotter Pin 4/1, galv.

**Technical Data**
- Permissible load 150 kg/m² with a maximum width of influence 1.25 m.
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>107738</td>
<td>24.100</td>
<td>Ladder 240 – 360</td>
<td>Adjustable from 2.40 m to 3.60 m.</td>
</tr>
<tr>
<td>111165</td>
<td>6.080</td>
<td>Ladder Connector VARIO, adjustable</td>
<td>For connecting ladders to Steel Walers SRZ and SRU, Profile U100 – U120.</td>
</tr>
<tr>
<td>051410</td>
<td>11.700</td>
<td>Ladder 180/6, galv.</td>
<td>As access for PERI Formwork Systems.</td>
</tr>
<tr>
<td>103724</td>
<td>10.400</td>
<td>End Ladder 180/2, galv.</td>
<td>As access for PERI Formwork Systems.</td>
</tr>
</tbody>
</table>

#### Complete with

- 107738: 4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv.  
  4 pc. 710381 Nut ISO 7042 M12-8, galv.
  2 pc. 701763 Clamping Plate Fl 25 x 10 x 90
- 051410: 4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv.  
  4 pc. 710381 Nut ISO 7042 M12-8, galv.
- 103724: 4 pc. 710224 Bolt ISO 4017 M12 x 40-8.8, galv.  
  4 pc. 710381 Nut ISO 7042 M12-8, galv.
<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Complete with</th>
</tr>
</thead>
<tbody>
<tr>
<td>051460</td>
<td>2.180</td>
<td><strong>Ladder Base, galv.</strong>&lt;br&gt;As bottom ladder connection and for securing ladders against sliding on the scaffold decks.</td>
<td></td>
</tr>
<tr>
<td>104132</td>
<td>15.600</td>
<td><strong>Ladder Safety Cages</strong>&lt;br&gt;Ladder Safety Cage 75, galv.&lt;br&gt;Ladder Safety Cage 150, galv.&lt;br&gt;Ladder safety cage for PERI Access Ladders.</td>
<td>4 pc. 710266 Bolt ISO 4017 M12 x 25-8.8, galv.&lt;br&gt;4 pc. 701763 Clamping Plate Fl 25 x 10 x 90</td>
</tr>
<tr>
<td>051450</td>
<td>25.200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>103718</td>
<td>0.684</td>
<td><strong>Ladder Hook, galv.</strong>&lt;br&gt;For adjusting the bottom ladder. Always use in pairs.</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>
<tr>
<td>028050</td>
<td>4.550</td>
<td><strong>Girder Headpiece GT 24, galv.</strong>&lt;br&gt;For connecting push-pull props and kicker braces to GT 24 Girders</td>
<td>1 pc. 027170 Pin Ø 16 x 42, galv.&lt;br&gt;1 pc. 018060 Cotter Pin 4/1, galv.</td>
</tr>
</tbody>
</table>
**VARIO GT 24 Girder Wall Formwork**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>028070</td>
<td>4.680</td>
</tr>
</tbody>
</table>

**Girder Headpiece GT 24/A, galv.**
For connecting push-pull props and kicker braces to extended GT 24 Girders in the area of the Extension Splice 24-2.

![Girder Headpiece GT 24/A](image)

**Note**
Permissible load see PERI Design Tables.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>028060</td>
<td>1.940</td>
</tr>
</tbody>
</table>

**Wedge Headpiece SRZ/SRU**
For connecting push-pull props and kicker braces to Steel Waler SRZ and SRU Profile U100 – U140.

![Wedge Headpiece SRZ/SRU](image)

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

**Accessories**
**Wedge K, galv.**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>024250</td>
<td>0.331</td>
</tr>
</tbody>
</table>

**Push-Pull Prop RS 210, galv.**
Extension length l = 1.30 – 2.10 m.
For aligning PERI Formwork Systems and precast concrete elements.

![Push-Pull Prop RS 210](image)

**Note**
Permissible load see PERI Design Tables.

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>117466</td>
<td>10.600</td>
</tr>
</tbody>
</table>

**Push-Pull Prop RS 260, galv.**
Extension length l = 2.30 – 2.60 m.
For aligning PERI Formwork Systems and precast concrete elements.

![Push-Pull Prop RS 260](image)

**Note**
Permissible load see PERI Design Tables.
## VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Push-Pull Prop</th>
<th>Extension Length</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>117467</td>
<td>15.500</td>
<td>RS 300, galv.</td>
<td>1.90 – 3.00 m</td>
<td>Permissible load see PERI Design Tables.</td>
</tr>
<tr>
<td>117468</td>
<td>23.000</td>
<td>RS 450, galv.</td>
<td>2.80 – 4.50 m</td>
<td>Permissible load see PERI Design Tables.</td>
</tr>
<tr>
<td>117469</td>
<td>39.900</td>
<td>RS 650, galv.</td>
<td>4.30 – 6.50 m</td>
<td>Permissible load see PERI Design Tables.</td>
</tr>
<tr>
<td>028900</td>
<td>115.000</td>
<td>RS 1000, galv.</td>
<td>6.40 – 10.00 m</td>
<td>Permissible load see PERI Design Tables.</td>
</tr>
</tbody>
</table>
### VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Push-Pull Prop RS 1400, galv.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>103800</td>
<td>271.000</td>
<td>Extension length l = 6.40 – 14.00 m. For aligning PERI formwork systems.</td>
<td>Permissible load see PERI Design Tables. Chain can be operated from bottom.</td>
</tr>
</tbody>
</table>

**Base Plate-2 for RS 1000/1400, galv.**
For assembly of Push-Pull Props RS 210, 260, 300, 450, 650, 1000, 1400 and Heavy Duty Spindles.

**Complete with**
- 2 pc. 105400 Pin Ø 20 x 140, galv.
- 2 pc. 018060 Cotter Pin 4/1, galv.
- 1 pc. 113063 Bolt ISO 4014 M12 x 80-8.8, galv.
- 1 pc. 113064 Hex Nut ISO7042-M12-8-G, galv.

**Base Plate-3 for RS 210 - 1400**
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.
- 1 pc. 113063 Bolt ISO 4014 M12 x 80-8.8, galv.
- 1 pc. 113064 Hex Nut ISO7042-M12-8-G, galv.

**Accessories**
**Anchor Bolt PERI 14/20 x 130**

**Base Plate-2 for RS 1000/1400, galv.**
For assembly of Push-Pull Props RS 210, 260, 300, 450, 650, 1000, 1400 and Heavy Duty Spindles.

**Complete with**
- 2 pc. 105400 Pin Ø 20 x 140, galv.
- 2 pc. 018060 Cotter Pin 4/1, galv.
## VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Base Plate-2 for RS 210 - 1400, galv.</th>
<th>Complete with</th>
</tr>
</thead>
<tbody>
<tr>
<td>117343</td>
<td>3.250</td>
<td>For assembly of Push-Pull Props RS 210, 260, 300, 450, 650, 1000 and 1400.</td>
<td>2 pc. 105400 Pin Ø 20 x 140, galv.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 pc. 018060 Cotter Pin 4/1, galv.</td>
</tr>
</tbody>
</table>

### Accessories
- **Anchor Bolt PERI 14/20 x 130**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Push-Pull Prop RSS I</th>
</tr>
</thead>
<tbody>
<tr>
<td>028010</td>
<td>17.900</td>
<td>Extension length l = 2.05 – 2.94 m. For aligning PERI Formwork Systems.</td>
</tr>
</tbody>
</table>

Note: Permissible load see PERI Design Tables.

### Accessories
- **Spindle Handle RSS / AV**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Spindle Handle RSS / AV</th>
</tr>
</thead>
<tbody>
<tr>
<td>113397</td>
<td>1.600</td>
<td>Spindle handle for screwing on Push-Pull-Props RSS I, RSS II and Kickers AV 210 and AV RSS III.</td>
</tr>
</tbody>
</table>

Complete with:
- 2 pc. 722342 Screw ISO 4017 M8 x 25-8.8, galv.
- 2 pc. 711071 Nut ISO 7042 M8-8, galv.

### Accessories
- **Base Plate-2 for RS 210 - 1400, galv.**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Push-Pull Prop RSS II</th>
</tr>
</thead>
<tbody>
<tr>
<td>028020</td>
<td>22.000</td>
<td>Extension length l = 2.91 – 3.80 m. For aligning PERI Formwork Systems.</td>
</tr>
</tbody>
</table>

Note: Permissible load see PERI Design Tables.

### Accessories
- **Spindle Handle RSS / AV**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Anchor Bolt PERI 14/20 x 130</th>
</tr>
</thead>
<tbody>
<tr>
<td>117343</td>
<td>3.250</td>
<td>For assembly of Push-Pull Props RS 210, 260, 300, 450, 650, 1000 and 1400.</td>
</tr>
</tbody>
</table>

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

### Accessories
- **Spindle Handle RSS / AV**

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

### Accessories
- **Spindle Handle RSS / AV**

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</tr>
</tbody>
</table>

Complete with:
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- 2 pc. 018060 Cotter Pin 4/1, galv.
VARIO GT 24 Girder Wall Formwork

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>028030</td>
<td>38.400</td>
<td>Push-Pull Prop RSS III</td>
<td>Permissible load see PERI Design Tables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extension length l = 4.60 – 6.00 m. For aligning PERI formwork systems.</td>
<td></td>
</tr>
<tr>
<td>106000</td>
<td>1.820</td>
<td>Base Plate-2 for RSS, galv.</td>
<td>Complete with 1 pc. 027170 Pin Ø 16 x 42, galv. 1 pc. 018060 Cotter Pin 4/1, galv.</td>
</tr>
<tr>
<td>124777</td>
<td>0.210</td>
<td>Accessories</td>
<td></td>
</tr>
<tr>
<td>057087</td>
<td>3.510</td>
<td>Kickers AV</td>
<td></td>
</tr>
<tr>
<td>057088</td>
<td>4.200</td>
<td>Kicker AV 82</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kicker AV 111</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>For aligning PERI Formwork Systems.</td>
<td></td>
</tr>
<tr>
<td>028030</td>
<td>38.400</td>
<td>Push-Pull Prop RSS III</td>
<td>Permissible load see PERI Design Tables.</td>
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<td></td>
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<td>Extension length l = 4.60 – 6.00 m. For aligning PERI formwork systems.</td>
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<td>Base Plate-2 for RSS, galv.</td>
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<td>Accessories</td>
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<td></td>
<td></td>
<td>Kicker AV 111</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>For aligning PERI Formwork Systems.</td>
<td></td>
</tr>
<tr>
<td>Item no.</td>
<td>Weight kg</td>
<td>Kicker AV 140</td>
<td>Complete with</td>
</tr>
<tr>
<td>---------</td>
<td>-----------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>028110</td>
<td>4.850</td>
<td>Extension length $l = 1.08 - 1.40$ 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>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Kicker AV RSS III</th>
<th>Complete with</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>028120</td>
<td>17.000</td>
<td>Extension length $l = 2.03 - 2.92$ 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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Accessories</th>
<th>Complete with</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>113397</td>
<td>1.600</td>
<td>Spindle Handle RSS / AV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Weight kg</th>
<th>Kicker AV 210</th>
<th>Complete with</th>
<th>Note</th>
</tr>
</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>
</tbody>
</table>

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<thead>
<tr>
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<th>Accessories</th>
<th>Complete with</th>
<th>Note</th>
</tr>
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<tbody>
<tr>
<td>113397</td>
<td>1.600</td>
<td>Spindle Handle RSS / AV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item no.</td>
<td>Weight kg</td>
<td>Description</td>
<td>Complete with</td>
<td>Note</td>
</tr>
<tr>
<td>---------</td>
<td>-----------</td>
<td>-------------</td>
<td>---------------</td>
<td>------</td>
</tr>
<tr>
<td>028080</td>
<td>2.970</td>
<td>Connector Kicker/Push-Pull Prop, galv. For connecting push-pull props and kicker braces to Main Beam HDT.</td>
<td>1 pc. 018060 Cotter Pin 4/1, galv. 1 pc. 027170 Pin Ø 16 x 42, galv.</td>
<td>See PERI data sheet! Drilling Ø 14 mm.</td>
</tr>
<tr>
<td>124777</td>
<td>0.210</td>
<td>Anchor Bolt PERI 14/20 x 130 For temporary fixation to reinforced concrete structures.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The optimal System for every Project and every Requirement

Wall Formwork  Column Formwork  Slab Formwork

Climbing Systems  Bridge Formwork  Tunnel Formwork  Shoring Systems

Construction Scaffold  Facade Scaffold  Industrial Scaffold  Access

Protection Scaffold  Safety Systems  System-Independent Accessories  Services