

Product overview



PASCHIA
Service in Formwork + Shoring



TTR



**Trapezoidal Girder Formwork with plywood
Circular Formwork with adjustable radii for waste water
treatment plants, container construction, water parks, towers,
stairwells, garage entrances, gardening and landscaping.**

- Infinitely adjustable for diameters from 2 - 5 meters, and 5 meters to infinite
- Only 0.28 - 0.55 ties/m²
- Delivered ready to use to the construction site
- Perfectly round and with exact dimensions
- System solutions for haunch girders and uneven surfaces
- Compatible with all PASCHAL systems

Technical data	Trapez TTR
Segment widths	125,5/110,5; 62,5/55,5 cm (ø 2-5 m) 240/230 (222); 120/115; 60/57,5 cm (ø 5-∞)
Segment heights	300/150/75/37,5 cm
Frame depth	40 cm (straight condition)
Plywood	18 mm (ø 2-5 m); 21 mm (ø 5-∞)
Max. concrete pressure	60 kN/m ² according DIN 18218
Tolerances of deflection	According DIN 18202, table 3, line 7



TTS



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Trapezoidal Girder Formwork with steel facing
Circular Formwork with adjustable radii for waste water treatment plants, container construction, water parks, towers, stairwells, garage entrances, gardening and landscaping.

- For fair-faced concrete - perfect concrete finish (no bolt impressions)
- Infinitely adjustable for diameters from 5 meters to infinite
- Only 0.28 - 0.55 ties/m²
- Delivered ready to use to the construction site
- Integrated crane lifting clamps
- Perfectly round and with exact dimensions
- System solutions for haunch girders and uneven surfaces

Technical data	Trapez TTS
Segment widths	240/230; 120/115; 60/57,5cm
Segment heights	300/150/75cm
Frame depth	40cm (straight condition)
Steel sheet	
Max. concrete pressure	80kN/m ² according DIN 18218
Tolerances of deflection	According DIN 18202, table 3, line 7



TTK



Circular Trapezoidal Girder Formwork with clamp connection

Circular Formwork with adjustable radii for waste water treatment plants, container construction, water parks, towers, stairwells, garage entrances, gardening and landscaping.

Advantages of clamp connection:

- Less connecting pieces
- Fast segment connection
- Clamps can be "stored" at the segment
- Stepless segment positioning with height offset



LOGO.3



Wall Formwork LOGO.3

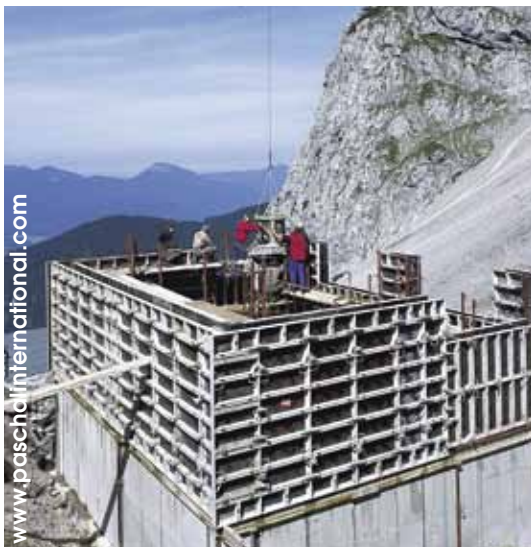
Large-size system for residential and commercial buildings, industrial construction, civil engineering, reservoir construction.

- Small number of ties (0.62 ties/m²)
- Quick panel connection with wedge clamps (only 1.8 kg in weight)
- Profiled flat steel frame for guaranteed sturdiness and long product life span
- Quick accessory fastening on multi-functional cross profiles
- Vertical or horizontal deployment for all panels
- Multi-purpose panel for corners, columns, stop ends
- Well-balanced panel selection

Technical data	LOGO.3
Panel widths	340/240/135/90/75/60/55/50/45/40/30/25/20cm
Panel heights	340/305/270/240/135/90/75cm
Frame depth	12cm
Plywood	15mm thick, 11-ply Finnish birch plywood
Max. concrete pressure	70 kN/m ² according DIN 18218
Tolerances of deflection	According DIN 18202, table 3, line 6



LOGO alu



Wall Formwork LOGO alu

Light-weight formwork for construction sites without cranes and fully compatible to LOGO.3 with steel frame.

- Panels at floor height
- Quick panel connection with wedge clamps (only 1.8 kg in weight)
- Solid frame profile for guaranteed sturdiness and longevity
- Panel 90x270cm=only 60kg weight and 2 ties for that height
- Quick accessory fastening on multi-functional cross profiles
- Compatible with LOGO.3 with steel frame
- Multi-purpose panel for corners, columns, stop ends

Technical data	LOGO alu
Panel widths	90/75/60/55/50/45/40/30cm
Panel heights	270/135cm
Frame depth	12cm
Plywood	15mm thick, 11-ply Finnish birch plywood
Max. concrete pressure	60kN/m ² according DIN 18218
Tolerances of deflection	According DIN 18202, table 3, line 6



LOGO.S



Wall Formwork LOGO.S with steel facing

Large-size system for residential and commercial buildings, industrial construction, civil engineering, reservoir construction.

- Panels with foldable, integrated working platforms and accessories → time-saving during assembly
- Inside corner post 25x25x270 cm to form rectangular wall constructions
- Walls up to 265 cm height with only 0,3 ties/m² in concrete, due to tie point at edge of the panel frame
- No impressions of bolts or rivet heads (perfect concrete finish)
- Stepless height offset of panels is possible easily due to clamp connection
- Completely compatible with LOGO.3

Technical data	LOGO.S
Panel widths	240/135/90 cm
Panel height	270 cm
Frame depth	35,5 cm (incl. folded platform)
Steel sheet	5mm steel or magnetic stainless steel sheet
Max. concrete pressure	100 kN/m ² according DIN 18218
Tolerances of deflection	According to DIN 18202, table 3, line 6



Modular/GE



Modular/GE Universal Formwork

Universal formwork for foundations, walls, supports, beams, shafts, round solutions (polygons), gardening and landscape construction, precast elements.

- Designed for hand-set applications as well as crane dependant large-size formwork
- Modular design principle and well-balanced panel selection make gang-forming possible even for complicated layout plans
- Flat steel frame for guaranteed sturdiness and a long product life cycle
- Compatible with all PASCHAL systems
- Keybolt as a universal means of connection for all panels and accessories

Technical data	Modular/GE
Panel widths	Modular: 100/75/60/50/45/43/40/37/35/33/30/25/24/20/15/12/10/6/5cm; GE: 200/150cm
Panel heights	Modular: 150/125/75/62,5cm GE: 275/250/150/125cm
Frame depth	Modular: 7,5 cm; GE: 19,5 cm (7,5 + 12 Girder)
Plywood	15 mm thick, 11-ply birch plywood
Max. concrete pressure	Modular: 35 kN/m ² according DIN 18218 GE: 60 kN/m ² according DIN 18218
Tolerances of deflection	Modular: According DIN 18202, table 3, line 6, GE: According DIN 18202, table 3, line 7



Modular column



Modular column formwork adjustable

The adjustable modular column formwork by PASCHAL is a steel frame formwork whose elements are assembled according to the so-called windmill principle.

- With four elements each square and rectangular column cross-sections can be formed in the adjustment range of 20 cm to 50 cm in increments of 5 cm.
- Mounting options for accessories such as props, platform brackets or crane lifting clamps are available in the elements.
- With increased demands on the concrete surface (edges) at the panel joints, a glazing tape or chamfer strip can be mounted.

Technical data	Modular column formwork adjustable
Panel widths	60 cm
Panel heights	150/125/100 cm
Frame depth	7,5 cm
Plywood	15 mm thick, phenolic resin coated plywood
Max. concrete pressure	60 kN/m ² according DIN 18218



Grip



Adjustable column formwork Grip

Adjustable column formwork with excellent forming times for highest quality fair-faced concrete formwork.

- Setting and stripping of formwork requires only the the fastening and then unfastening of ties at one corner
- Relocation via a single crane lift (folding mechanism)
- Easy installation of concreting platform and push-pull props
- Low transport volume due to foldable mechanism

Technical data	Grip
Panel heights	340/300/150/90 cm
Adjustable range	20-60 cm, in 5 cm steps
Plywood	21 mm plastic covered birch plywood
Max. concrete pressure	80 kN/m ² according DIN 18218



Circular



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Circular column formwork

Steel formwork for round and oval shaped columns.

- Leakage free panels joints due to overlapping formwork lining
- Oval columns and rounded stopends by be using the Modular connection panel
- Complete with work platform for safe concreting
- Many deployments, no disposal costs
- No limits to concreting speed at small diameters

Technical data	Circular column formwork
Panel heights	300/275/150/125/75 cm
Diameter	100/90/80/70/60/50/45/40/35/30/25 cm
Plywood	3 mm steel sheet
Max. concrete pressure	85 kN/m ² according DIN 18218 (ø 100 cm) 335 kN/m ² according DIN 18218 (ø 25 cm)



Custom Formwork



Custom formwork for construction components, where system formwork can only be utilised partially, or not at all.

- Any geometry or surface can be formed
- Made for highest quality standards
- Shaft formwork
- Special column sections
- Tunnels and domes
- Wood and steel custom formwork



Multip



Multi-functional working platform Multip

The multi-functional working platform with highest safety standards.

- Formwork and scaffolding is delivered to site preassembled
- No additional installation of individual service-brackets, covers and guard rails
- Time saving due to folding mechanism
- Full compliance with all building code requirements (BGR 187)
- Safe workplaces allow quicker operation of accessory parts, like connection parts and ties
- Significantly longer lifespan, than traditional wood covering

Technical data	Multip
Platform width	LOGO.3 and Athlete 72 cm; Trapezoidal girder formwork 85 cm
Platform length	LOGO.3 and Athlete 240/135 cm; Trapezoidal girder formwork external 238 cm, internal 210 cm, (D \geq 7,00 m)
Adm. load	2,0kN/m ²



PASCHAL Deck



Slab formwork

Versatile slab formwork for ceilings in residential and industrial buildings.

- Small number of individual parts
- Optimised material deployment
- For any slab thickness
- Length adjustment through overlapping of girders
- Light-weight individual parts
- Optimised adjustment to any layout
- Any formwork covering selectable

Technical data	PASCHAL Deck
Girder length	600/490/390/360/330/290/245cm
Girder height	20cm
Maximum load of the H20 girder	Max. shear force 11 kN Max. bending moment 5 kNm



e-deck



Slab formwork

Slab formwork ideally suited for construction sites without crane availability and where aluminium is not an option.

- Light weight - userfriendly
- Quick stripping - panels can be reused within a short period
- Better working space for man movement for erection and stripping of panels
- Fully compatible with Modular Universal Formwork for beam casting

Possible applications:

- Support of panels with props/shoring system
- Panels shall be placed on the beams
- Panels shall be placed between beams, drop head system fits in

Technical data	e-deck
Panel dimensions	60x125, 45x125, 30x125, 60x120, 45x120, 30x120 60x90, 60x85, 60x60, 60x55 30x60, 30x55 cm
Material	Steel frame, depth 7,5cm
Plywood	12 mm thick, 9-ply birch plywood
Beams	Length 235cm (with drop head 250cm) Length 165cm (with drop head 180cm)
Slab thickness	up to 30 cm
Max. single weight	~20kg



Climbing system 240 cm



Climbing system 240 cm

It supports the efficiency and cost effectiveness of climbing systems in adjusting flexibly to the structure geometry and in permitting larger formwork units.

- Can be adjusted up to +/- 15 degrees on the geometry of the structure
- High load-bearing capacity
- Saving of time and costs by transposing of larger formwork units
- Long service life and functionality by hot-dip galvanizing as surface protection
- High degree of safety at work by working space in front of and behind the formwork
- Little transport volume by modular construction
- General Construction Supervisory Approval (called abZ) from the DIBt for the anchor

Technical data	Climbing system 240cm
Bracket depth	240cm
Live loads	Working platform: 4,5/3,0 kN/m ² Concrete platform: 1,5 kN/m ² Suspended scaffold: 1,0 kN/m ²
Inclination	+/- 15°



Climbing system



Climbing system

A versatile system for safe and economical climbing.

- Compatible with all PASCHAL formwork systems
- Climbing unit with large formwork areas can be moved in one piece
- General Construction Supervisory Approval (called abZ) from the DIBt for the anchor

Technical data	Climbing systems
Climbing bracket	200cm
Live loads	Working platform: 3,0kN/m ² Suspended scaffold: 1,0kN/m ²
Working heights	up to 100 m above ground level
Formwork heights	up to 5,60 m
Anchoring	Clevis shoe M30 with anchor cone M30
Accessories	Panel supports and height adjustment units for all PASCHAL formwork systems Tension anchoring for wind loads Traps



KBK



Climbing platform KBK 180

Work and jacking scaffold, which comes fully assembled and ready to use on-site.

- Compatible with all PASCHAL formwork systems
- Platform folds up for low transport volume
- General Construction Supervisory Approval (called abZ) from the DIBt for the anchor

Technical data	KBK
Platform width	180cm
Platform length	295cm; corner platforms: 390cm
Bracket spacing	200cm
Maximum loads	3kN/m ² as climbing platform carrying formwork 4,5kN/m ² as working platform without formwork 2kN/m ² as working and safety platform with drop-in loop according to DIN 4420
Anchoring	Clevis shoe M30 with screw anchor M24 or anchor cone M30 Drop-in loops according to DIN 4420
Accessories	Corner platforms, single brackets, connection part for drop-in loops, clevis shoe M30, bracket extensions, railing posts for lateral protection, suspended scaffold, traps, Drop-in loops as per DIN 4420



GASS



Aluminium shoring system GASS

Alu shoring system for the distribution of weight from great heights in all areas of construction.

- Shoring system, climbing scaffolding, stacking tower, individual column
- Light-weight components
- Only one support up to a height of 6.5 m
- Highly flexible due to 8 connection points on supports
- Quick splined connection for frame/support
- Frame height 1 m usable as security railing at full area live load of 1.5 kN/m²
- Can be used as slab table with crane
- General Construction Supervisory Approval (called abZ) from the DIBt

Technical data	GASS
Support lengths	467/358/249/140 cm
Frame widths	120/180/240/300 cm
Max. load per leg	140 kN



TG 60



Allround Shoring Tower TG 60

The shoring frames TG 60 are made of steel tube of higher strength and are stiffened with 2 small diagonal braces.

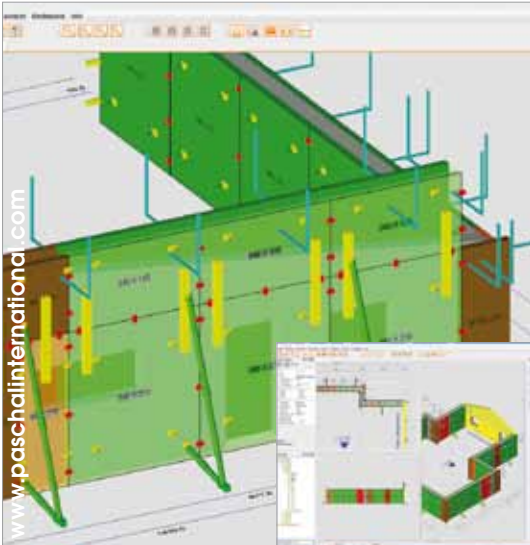
- Use as shoring system, stacking tower and slab table
- Low weight of individual parts
- Saving in time during assembly and dismantling thanks to bolt-free connection technology
- Safe and simple assembly via integrated access
- Tried and proven range of parts and accessories
- Convincing economic and versatile design
- As unit movable by crane and castors
- General Construction Supervisory Approval with structural calculations proven by DIBt

Technical data	TG 60
Support lengths	50 / 71 / 100 cm
Frame widths	109 / 157 / 207 / 257 / 307 cm
Max. load per leg	60 kN

A quality product from Layher.



PPL 10.0



PPL 10.0 PASCHAL-Plan light

The key software solution for you formwork tasks.

- JAVA-technology
- Platform independent
- Compatible with Windows und Mac
- Local and on-line version available
- Available for sale or for rental
- BIM-compatible
- Module "Design", "Warehouse" and "Slab formwork" for filigree slab panels and in-situ concrete slabs
- Every module can be used separately

New features for Design module:

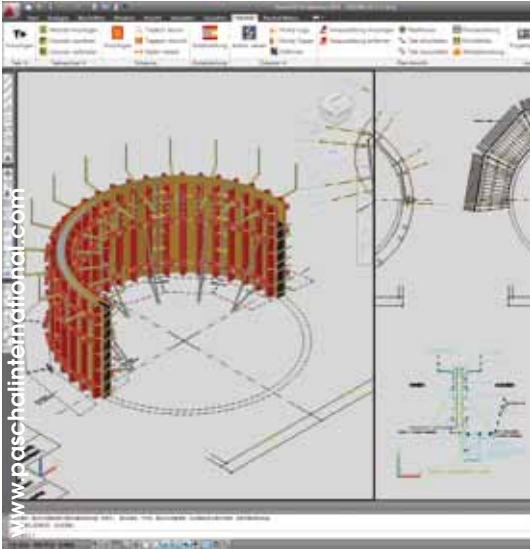
- Demonstration in 3D
- Extended layout-input (gable walls, slopes on top of walls or bottom slaps)
- Integrated CAD functions
- Several formwork systems can be used in one project
- Dynamic material list available

New features for Warehouse module:

- Complete warehouse management (formwork, building devices, building machines, accessories, etc.)
- Clear site management (delivery, return, stock controlling)



PPpro



PPpro PASCHAL-Plan pro

CAD 3D-Software for planning of sophisticated projects.

- Formwork planning
- Calculation
- Logistics
- Communication
- AutoCAD formwork application



PASCHAL Ident



RFID technology optimized software PASCHAL Ident
The PASCHAL Ident Technology gives uniqueness to any equipped formwork panel*. The herewith guaranteed clear unmistakable identification is the imperative precondition for leasing.

Advantages of the use of RFID technology

- Support of business processes
- Permanent inventory
- Simplified investment management
- Improved traceability

Refitting of construction equipment with RFID technology is possible

Product advantages finance leasing:

- No activation in the balances required (German accounting)
- No immediate outflow of liquidity by the acquisition and payment of the entire purchase price
- Financing by the "Pay-as-you-earn"-principle is possible
- Planning safety through fixed compensation fee and fixed utilisation time
- The use and market suitability of the leasing product is kept by the further utilisation of the investment object after termination of the leasing contract

*All formwork panels of the LOGO.3 and the MODULAR Universal Formwork are equipped with RFID technology as standard.



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