SKALA

HANDY PANELS

WALLS & COLUMNS

Consistent panel connections

A coordinated forming system

HANDY PANEL





HANDY PANEL

Ergonomic Lightweight Formwork System with Unique Panel-to-Panel Connections

The WTD Handy Panel is a highly versatile, modular formwork system engineered for seamless wall and column construction. Designed with ultimate flexibility, every panel is multi-purpose and multi-directional, drastically reducing inventory needs while maximizing on-site productivity.

Ultimate Versatility: Panels can be utilized in both horizontal and vertical directions, adapting instantly to your site's specific layout.
Maximum Modularity: Available in three heights and three widths to precisely accommodate diverse pour height requirements.
Cost-Effective Efficiency: This optimal configuration significantly minimizes unutilized formwork areas, ensuring maximum material use and lowering overall site costs.

Technical Performance & Handling

Crane-Free Operations: The low individual weight allows for fast, manual assembly and dismantling by just two workers with minimal training, making it highly efficient for crane-independent sites.
Exceptional Load Capacity: Safely withstands fresh concrete pressures up to 60 kN/m² for walls, and up to 75 kN/m² for columns (up to 600 x 600 mm), fully compliant with international codes.
Robust Construction & Smooth Finish: Built with a high-grade steel frame paired with 18 mm phenolic-faced plywood, ensuring long-lasting durability and an excellent concrete surface finish.
Seamless Adaptability: The system effortlessly accommodates infills up to 300 mm, 90-degree internal and external corners, T-junctions, and stop-ends without complex setups.



Why Choose WTD Handy Panel?

Rapid Site Assembly& Cycle
Optimized panel dimensions and a minimal number of components ensure swift execution across versatile applications.

Fully Ergonomic Design
Lightweight panels equipped with integrated ergonomic handles facilitate comfortable, crane-independent manual handling on site.

Seamless & Simple Connections
Features a unique alignment coupler or wedge clip for swift panel joining, alongside built-in connectors for the easy attachment of push-pull props.

Maximum Cost-Effectiveness
Optimum panel sizes guarantee maximum material utilization, significantly enhancing on-site productivity and reducing material waste.

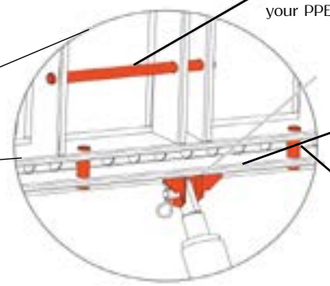


Rapid On-Site Execution

Every standard panel is ingeniously designed to double as a multi-purpose unit, significantly accelerating your workflow.

WTD Handy panels are equipped with multi-hole anchor struts, significantly expanding the system's range of applications. This versatile design allows the panels to be seamlessly utilized for beams and foundations, thereby optimizing work preparation and minimizing material storage requirements on site.



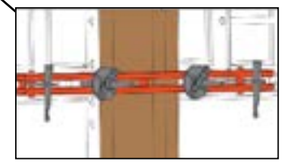


Integrated ergonomic handle that allow easy handling and also can be used for connecting your PPE.

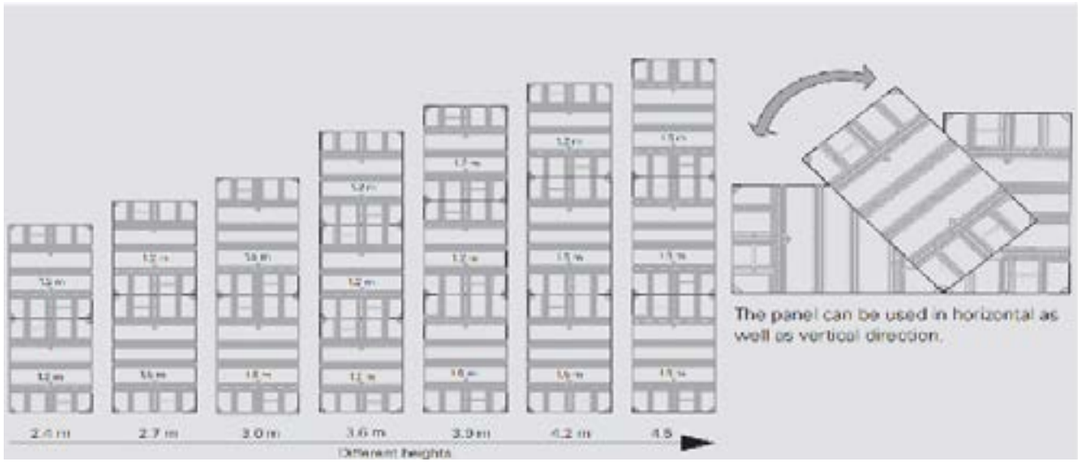
In-built brace connector for fixing the push-pull props.



The panels feature closed, outward-sloping stiffeners that significantly enhance their structural robustness. Furthermore, this intelligent profile design effectively prevents the accumulation of concrete slurry on the panel during pouring operations, ensuring easier cleaning and maintenance.



Stiffener pipe connects compensation waler for infill areas and also it gives robustness to anchor strut.



The panel can be used in horizontal as well as vertical direction.

	Width (mm) 900	600	300	Internal Corner(20X20)
3000				
Height (mm) 1500				
1200				

Seamless Panel Connections

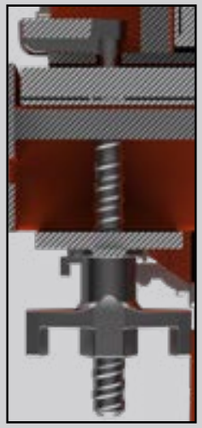
Features the **WHP L-Bolt** and **WTD Hand Lock** to ensure fast, secure, and effortless panel assembly.

The **WTD Handy Panel** system is revolutionizing the construction of walls and columns on site. Its exceptionally simple design ensures easy handling and rapid assembly using a minimal number of components.

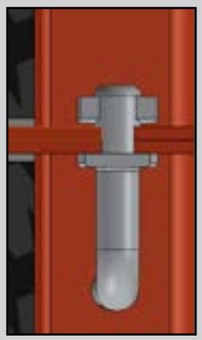
This reduction in system parts not only significantly lowers your initial investment costs, but also streamlines day to day site operations, delivering **numerous logistical and productivity advantages.**

The **WHP L-Bolt** provides a versatile and secure solution for assembling corners, wall offsets, stop-ends, and columns. It guarantees a tight, gap-free connection between panels for maximum stability when locked with a wingnut counterplate.

By utilizing these specialized connection components, the system eliminates the need for complex tools, significantly reducing labor time and enhancing overall safety during formwork erection.



WHP L-Bolt
Guarantees a tight, gap-free connection between panels. Easily locked with a wingnut counterplate to provide maximum structural stability.



WTD Hand Lock
Provides a rapid, secure, and tool-free connection for the formwork system. Its ergonomic design ensures effortless manual assembly, maximizing on-site efficiency and safety.



WHP L-Bolt



WTD Hand Lock

Seamless Panel Connections

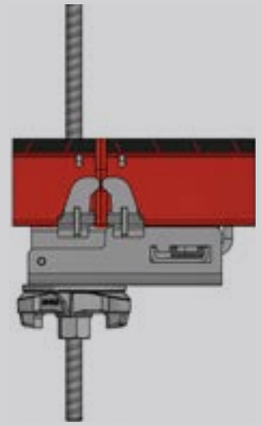
Features uniquely designed **Alignment Clamps** and **WHP Waler** to ensure fast, secure, and effortless panel assembly.

The **WTD Handy Panel** system is revolutionizing the construction of walls and columns on site. Its exceptionally simple design ensures easy handling and rapid assembly using a minimal number of components.

This reduction in system parts not only significantly lowers your initial investment costs, but also streamlines day-to-day site operations, delivering numerous logistical and productivity advantages.

An innovative and unique **Alignment Clamp** not only connects the panels but also precisely aligns the system without the need for any additional walers, utilizing the custom-profiled slots integrated into the panel frame.

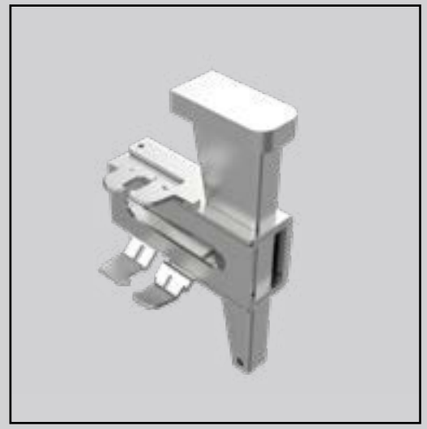
The Alignment Clamp is used on standard panel joints, corners, T-junctions, and wall offsets.



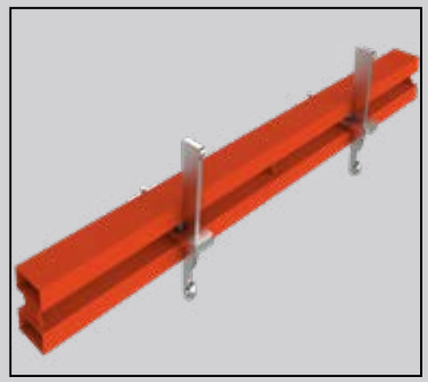
Tie system at the same location as the clamp makes it a perfectly aligned and robust joint.



The **WHP Waler** acts as a robust connection for panel stiffening and alignment, making it ideal for 100-300 mm length compensations and height extensions.



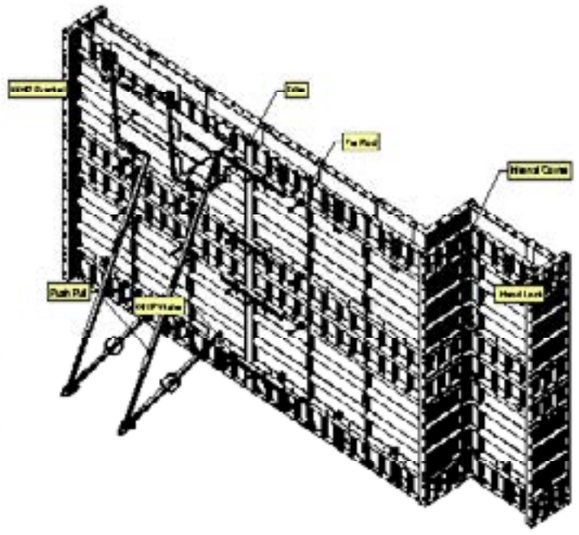
Alignment Clamp



WHP Waler

Wall Formwork Applications

The WTD Handy panel system offers a robust, highly efficient, and modular solution for constructing straight walls and complex concrete structures. Its versatile design seamlessly integrates standard panels with various accessories to mee diverse layout requirements and wall dimensions with mini effort on site.



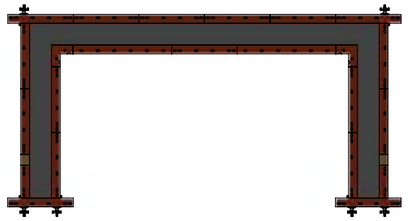
Key Advantages:

Rapid Assembly: The intuitive connection system, utilizing t Hand Lock and Tie Rods, guarantees fast, secure, and gap-free panel joints.
Versatile Layouts: Standardized Internal Corners and Fillers effortlessly accommodate complex wall geometries, corners and varied wall lengths.
Perfect Alignment: The integration of the WHP Waler ensur rigid straightness across multiple panels, while the Push-P Props allow for precise vertical alignment.
Integrated Platform: Easily accommodates the WHP Bracket to provide a secure and reliable working platform for concr pouring operations.
High Load Capacity: Engineered to safely withstand substa tial fresh concrete pressures, ensuring dimensional accurac and structural integrity for all wall height

Advanced Wall Configurations

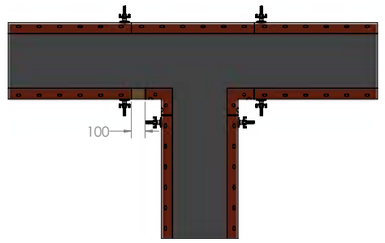
Core Walls

The system efficiently handles enclosed structures such as elevator shafts and stairwells. By utilizing our standardized internal corners and stripping accessories, core walls can be assembled and dismantled rapidly, ensuring precise right angles and tight dimensional tolerances.



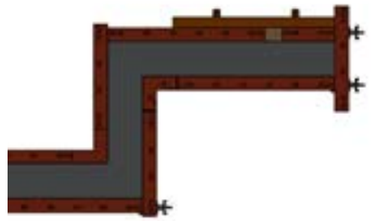
T-Junctions

Forming intersecting walls is seamlessly achieved without the need for specialized transition pieces. By simply combining standard panels with internal corners and connection accessories, T-junctions are tightly secured to prevent concrete leakage and maintain structural rigidity.



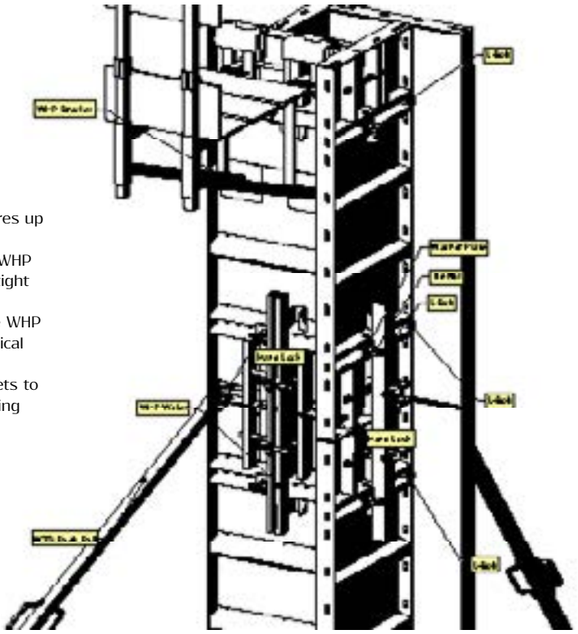
Wall Offsets

Adapting to sudden changes in wall thickness or creating stepped layouts is completely hassle-free. The system's flexible corner connectors and filler plates allow for smooth transitions and accurate offsets, maintaining the continuous alignment of the formwork across varying wall depths.



Column Formwork Applications

The WTD Handy panel system provides a highly efficient and adaptable solution for casting square and rectangular columns. By utilizing our multi-purpose standard panels, column dimensions can be easily adjusted to meet specific project requirements without the need for dedicated column panels.

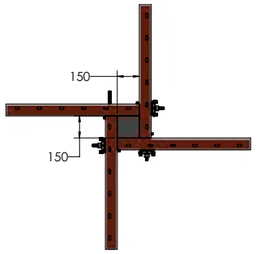


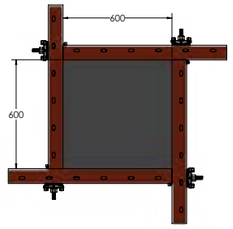
Key Advantages:

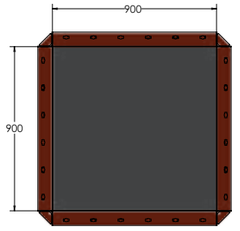
High Load Capacity: Safely withstands fresh concrete pressures up to 75 kN/m² for column cross-sections up to 600x600 mm.
Rapid Assembly: Integrated components such as the L-Bolt, WHP Waller, and Hand Lock ensure swift setup and exceptionally tight panel connections.
Maximum Stability: The system is perfectly aligned using the WHP Waler, while the WTD Push Pull props guarantee precise vertical plumbing.
Uncompromised Safety: Easily accommodates Scaffold Brackets to provide a secure and stable working platform during concreting operations

Modular Sizing

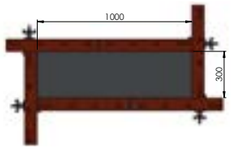
Maximize your on-site versatility by forming any column size from 150 x 150 mm up to 900 x 900 mm using only the standard 900 mm panels, with no special equipment required.

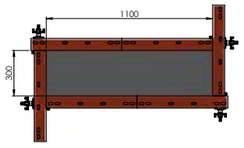


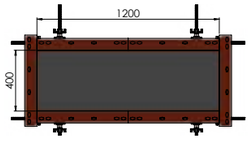




The system's capabilities extend far beyond the 900 mm limit. Thanks to its modular design, you can seamlessly combine various panels to configure any specific column length and width required for your project.



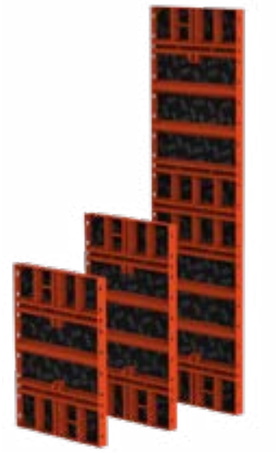




Component list

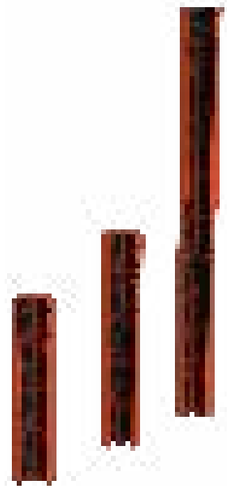
	Weight Kg
WTD HANDY PANEL 3000x900 mm	100
WTD HANDY PANEL 3000x600 mm	72
WTD HANDY PANEL 3000x300 mm	45
WTD HANDY PANEL 1500x900 mm	52
WTD HANDY PANEL 1500x600 mm	38
WTD HANDY PANEL 1500x300 mm	23
WTD HANDY PANEL 1200x900 mm	44
WTD HANDY PANEL 1200x600 mm	33
WTD HANDY PANEL 1200x300 mm	19

NOTE: With Ply Wood 18 mm and electrostatic powder coated finish



	Weight Kg
WHP INTERNAL CORNER 3000 mm	45
WHP INTERNAL CORNER 1500 mm	24
WHP INTERNAL CORNER 1200 mm	19

NOTE: With Ply Wood 18 mm and electrostatic powder coated finish



	Weight Kg
WHP EXTERNAL CORNER 3000 mm	12
WHP EXTERNAL CORNER 1500 mm	6
WHP EXTERNAL CORNER 1200 mm	5

NOTE: electrostatic powder coated finish



Component list

WHP BRACKET

NOTE: With Ply Wood 18 mm and electrostatic powder coated finish

Weight Kg
10



WHP Waller

NOTE: electrostatic powder coated finish

Weight Kg
6



WTD Hand Lock

NOTE: Galvanised finish

Weight Kg
0.3



WHP L-Bolt

NOTE: Galvanised finish

Weight Kg
0.4



SKALA
SOLUTIONS

HANDY PANELS

WALLS & COLUMNS

Consistent panel connections
A coordinated forming system

QATAR
Doha, Qatar

KUWAIT
Hawla, Kuwait

LEBANON
Antoura, Lebanon

KSA
Riyadh, KSA

UAE
Dubai, UAE

IVORY COAST
Abidjan, Ivory Coast

ROMANIA
Iasi, Romania

KYRGYZSTAN
Bishkek, Kyrgyzstan

INTERNATIONAL

www.skalasolutions.com
info@skalasolutions.com
+974 55709628