

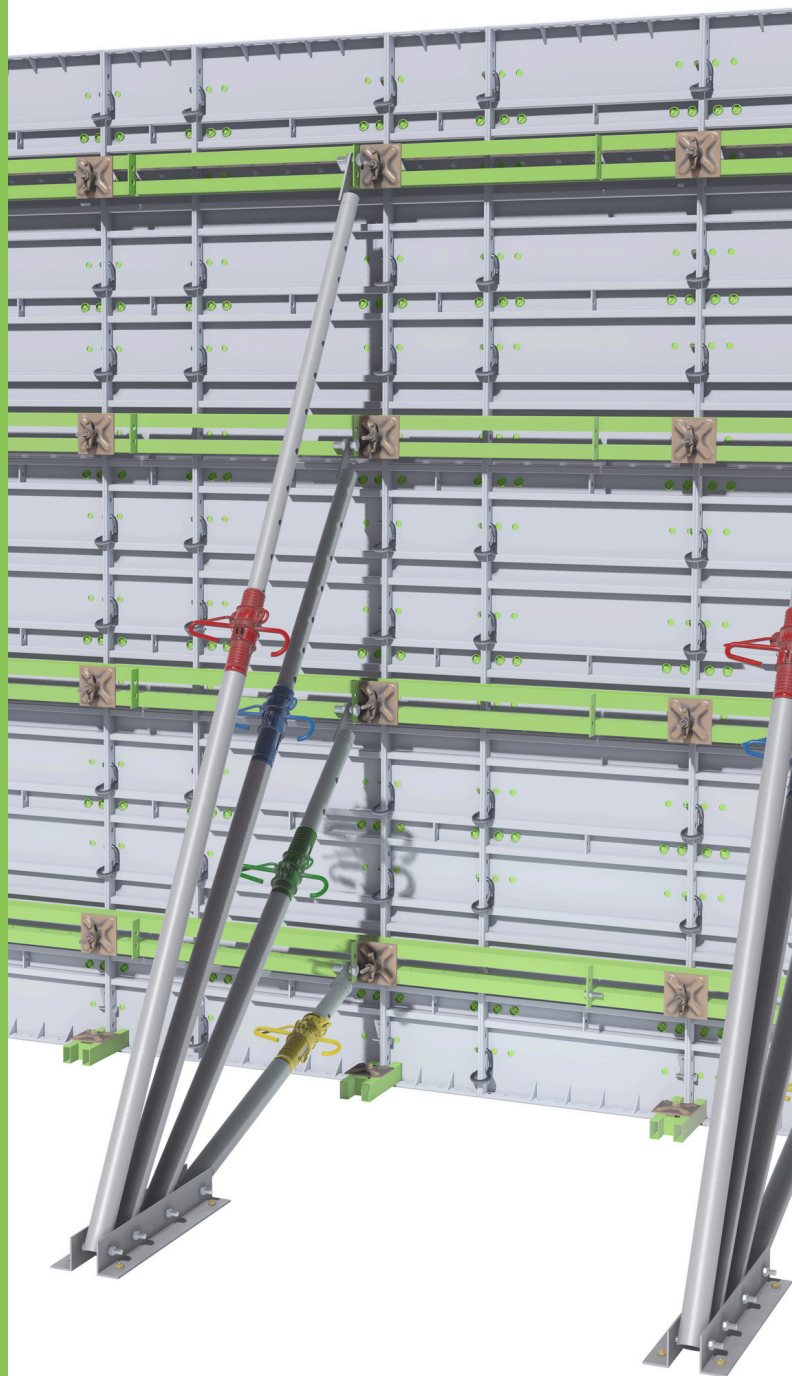
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Single Side Retaining Walls



ibsa Formwork
Save Time, Money & Labor
Smart Solutions for Modern
Construction



RETAINING WALL

The Foundation of Every Great Build

Our steel formwork panels provide an excellent solution for the construction of retaining walls, offering robust performance for both single-sided and double-sided applications. Engineered to withstand high concrete pressures while remaining lightweight and easy to handle, the system ensures a fast, secure, and efficient assembly process on site.



Single-Sided Systems

Designed for applications where access is restricted on one side—such as adjacent to existing structures or trench walls—the system incorporates a specialised bracing arrangement engineered to resist concrete pressure from a single direction.



We provide two types of walers for extra support and levelling:

Horizontal: These are fitted horizontally across the panels to distribute pressure evenly and add rigidity to the entire formwork structure.

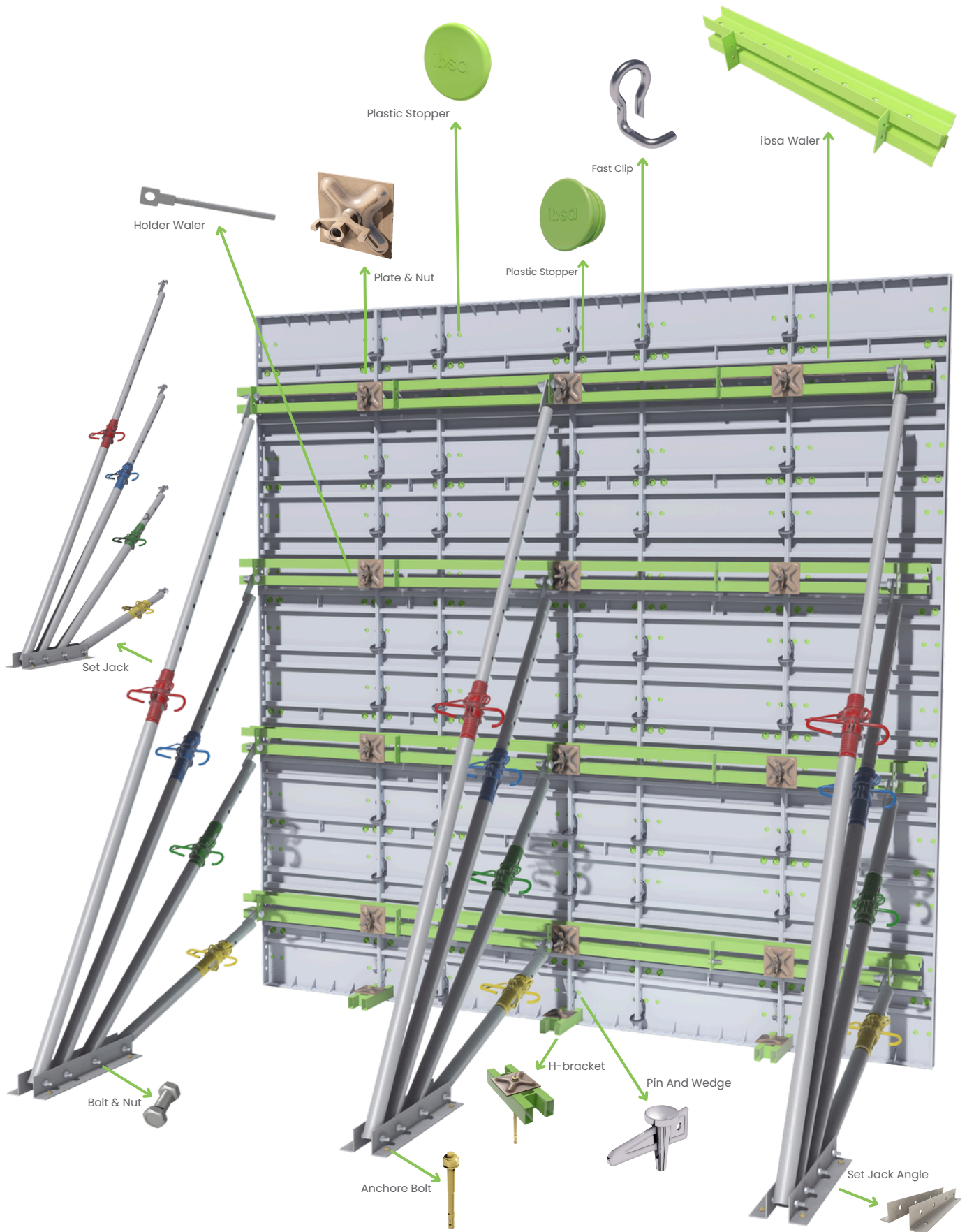


Support And Safety

For a safe and efficient installation, our system includes color-coded props. These props provide critical support to the formwork and are color-coded for easy identification and quick, correct assembly. This simple yet effective feature helps to reduce errors and speeds up the entire installation process, saving valuable time and labor on site.



Panle System Assembly and Accessories



Production Overview



Projects

Single Side



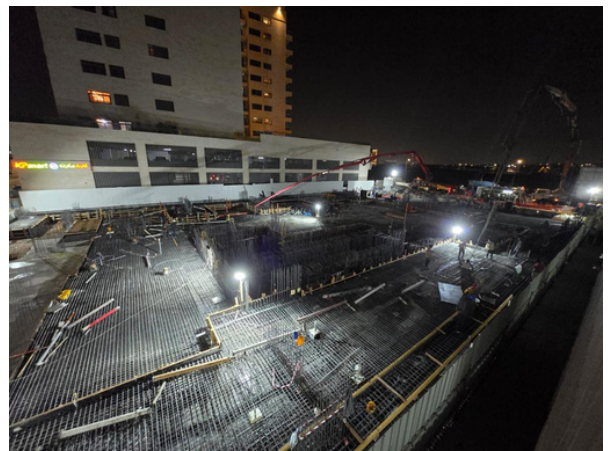
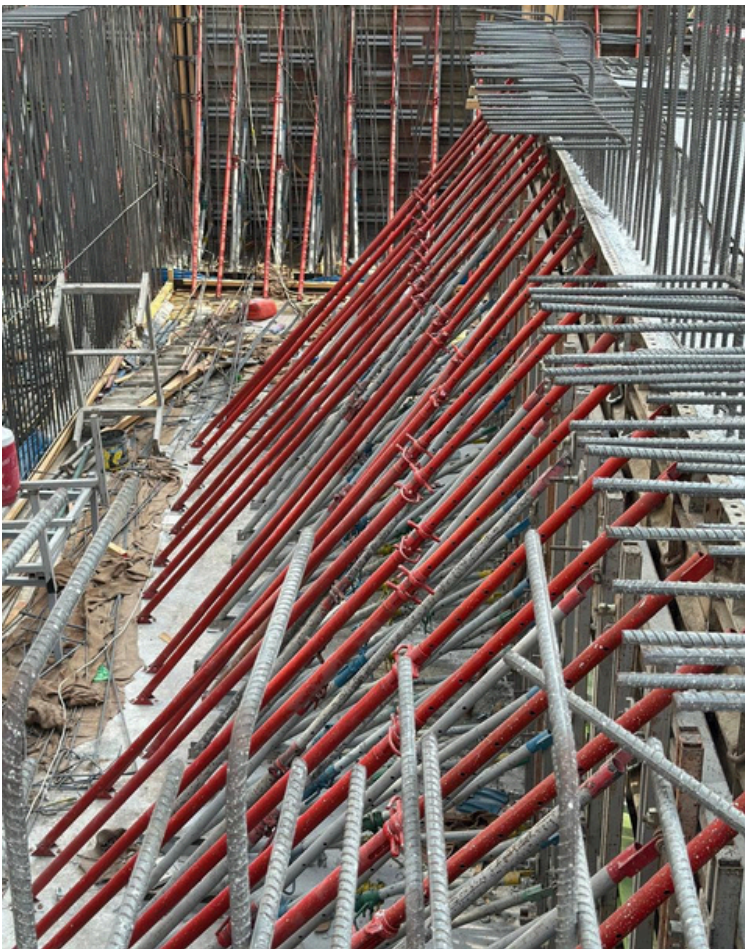
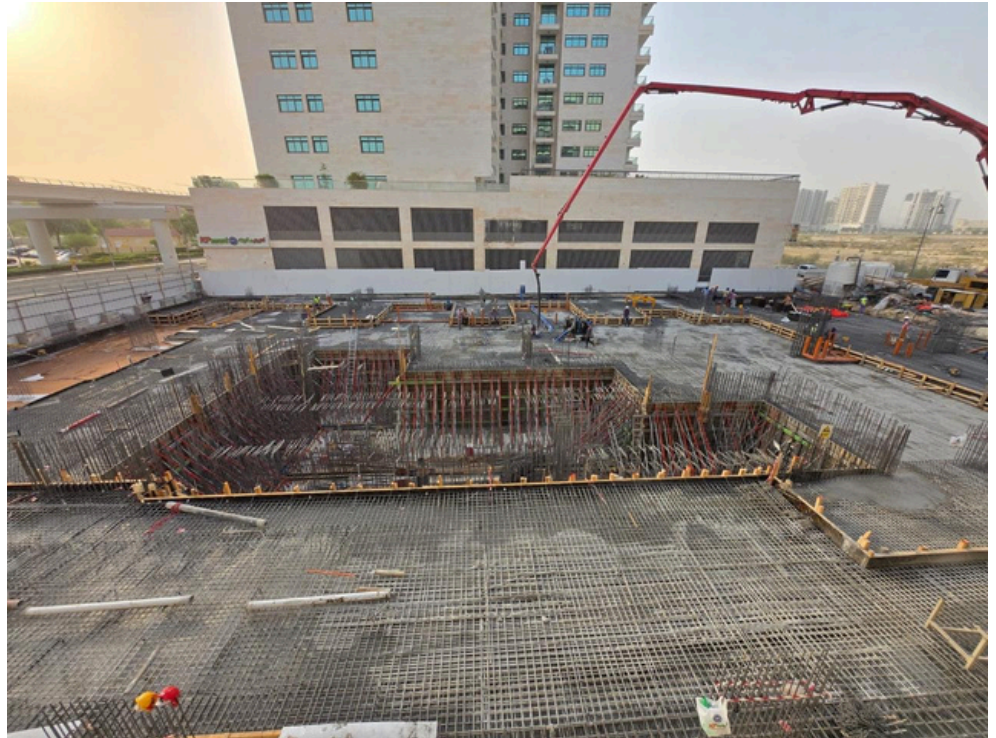
Sharjah Municipality Single-Side

This project is for Sharjah Municipality, covering a total area of 390 m². The walls have a height of 3.50 m and a thickness of 30 cm. Concrete casting will be carried out in 3casts.

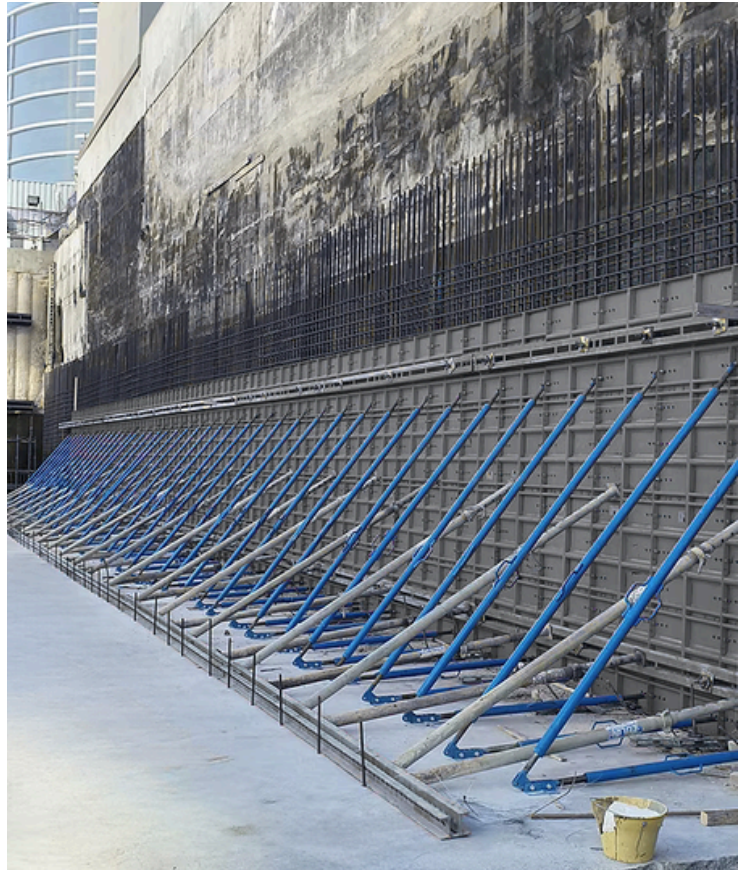


Hotel Apartment Single-Side

- Wall Thickness:
Up to 21.7 m and 15 m
- Wall Height:
3.5 m
- Retaining Wall (Single
Side Formwork):
280 m²



RDK Towers Single-Side



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Accessories

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Pin And Wedge



Discriptions	weight
Pin And Wedge	0.09 KG
Pin and Wedge system designed for speed, efficiency, and ease of installation.	

Fast Clip



Discriptions	weight
Fast Clip	0.32 kg
- Enables rapid installation for cascading joint shutters. - Suitable for both horizontal and vertical applications.	

Plastic Stopper



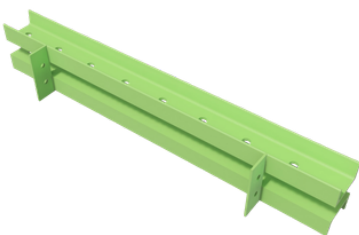
Discriptions	Size
- Size for fixing tie rod holes. - Size for fixing pin and wedge holes.	- Big = 26mm - Small = 18mm
Designed to seal unused holes effectively, preventing concrete or water leakage.	

Plate & Nut



Discriptions	Size	weight
- Plate - Nut	120x120mm - hole Ø 26 mm	0.40kg 0.30kg
- Heavy-duty design engineered to with stand concrete loads. - Ensuring robust performance and durability.		

ibsa Waler



Discriptions	Size	weight
U-Channel Waler	75x40x5mm	6.92kg
Heavy-Duty Used for adjusting and aligning single-sided and double-sided wall formwork.		

Bolt & Nut



Discriptions	Size
Bolt	Ø16x50 mm

- Used for fixing Push Pull With Panels

Anchore Bolt



Discriptions	Size
Anchore Bolt	Ø16x250 mm Ø16x100 mm

- Used for fixing Push Pull And Set Jack with Concrete

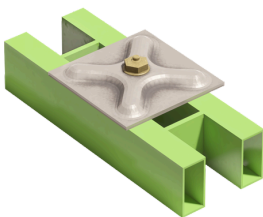
Holder Waler



Discriptions	Size	weight
Holder Waler	• 75x40x4mm	0.44 KG

- Tie-Rod Steel bar with Flat End used to fix the Waler with the transferable Shutter Panels without dismanteling.

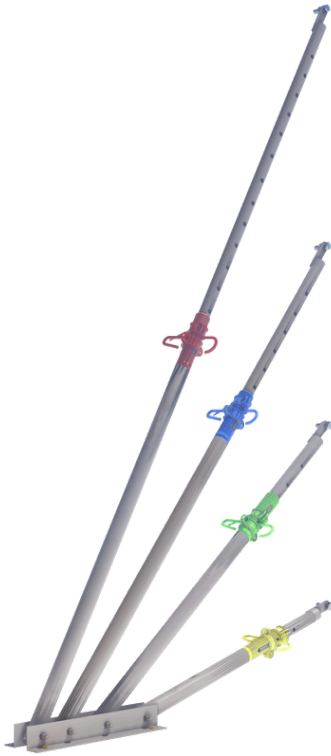
H-bracket



Discriptions	Size	weight
H.Bracket with Plate & Anchore Bolt	250x100mm	1.22 KG

- Used to connect between two panel joints and fixed with anchor bolts at a minimum height of 250–300 mm to prevent panel uplift.
- Suitable for single-side systems and for double-side systems in wide wall applications requiring additional stability.

Set Jack



Discriptions	Size	weight
Red: Inner Prop – 2.20 Mtr Long Outer Prop – 1.5 mtr	Inner: Ø48.3mmx3.2mm Outer : Ø60.3mmx3.2mm	Red: 15.43 KG
Blue: Inner Prop – 1.80 Mtr Long Outer Prop – 1.05 Mtr		Blue: 12.14 KG
Green: Inner Prop – 1.30 Mtr Long Outer Prop – 1.05 Mtr		Green: 11.26 KG
Yellow : Inner Prop – 1.20 Mtr Long Outer Prop – 0.65 Mtr		Yellow : 9.10 KG

- Used for single-side support to strengthen and stabilize the structure, prevent movement, and ensure proper vertical alignment.

Set Jack Angle



Discriptions	Size	weight
Set Jack Angle	50x750mm	4.5 KG

- Used to connect and secure multiple screw jacks together.
- Fixed to the concrete floor with anchor bolts to prevent jack movement and ensure proper fixation.
- Provides stability and balance to single-side wall systems and prevents any displacement during casting.

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