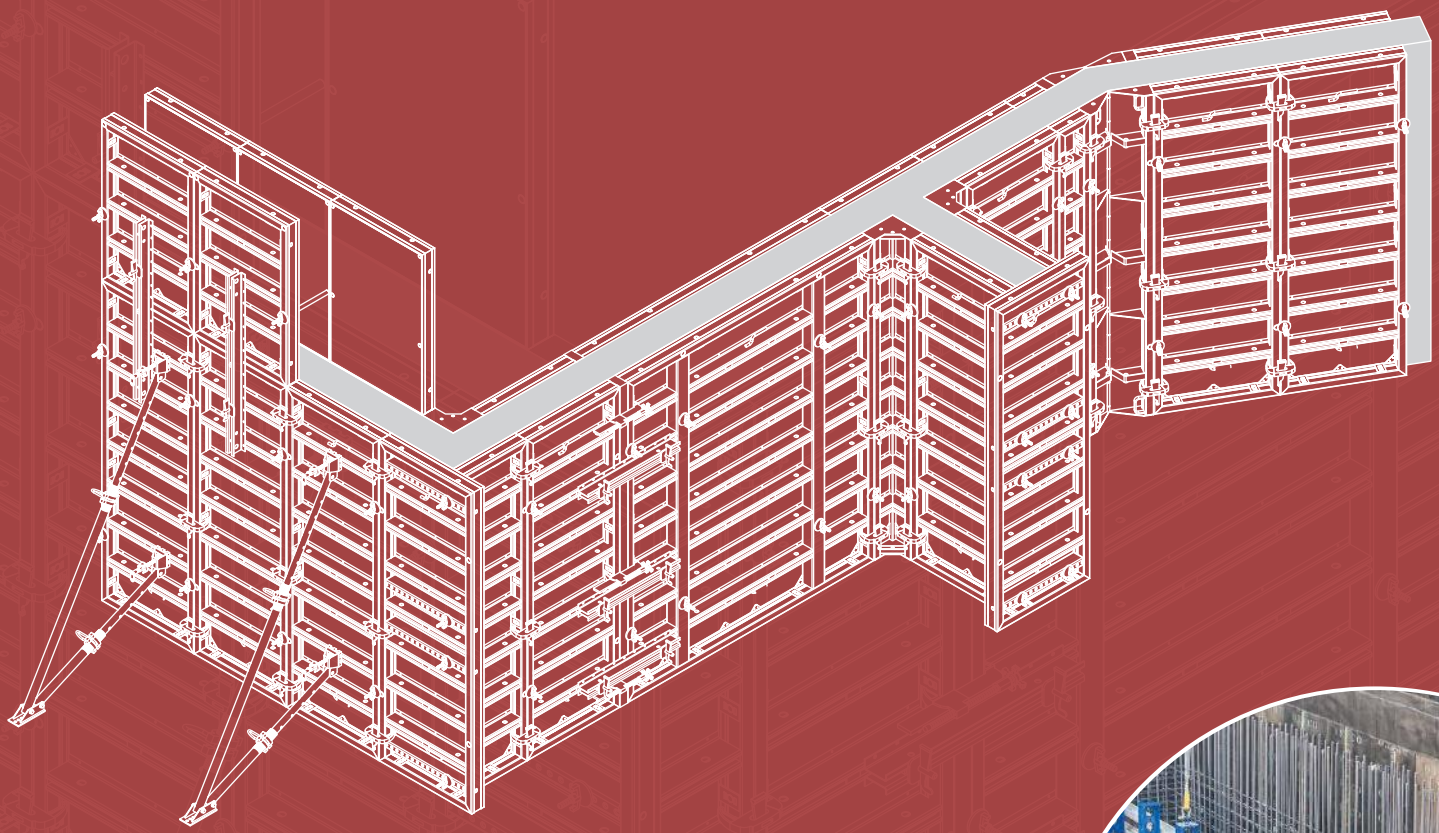
Precision Formwork Suppliers

S- MAX PANEL FORMWORK SYSTEM

The Ultimate Panel Formwork System for All Construction Site Needs



Precision Formwork Suppliers

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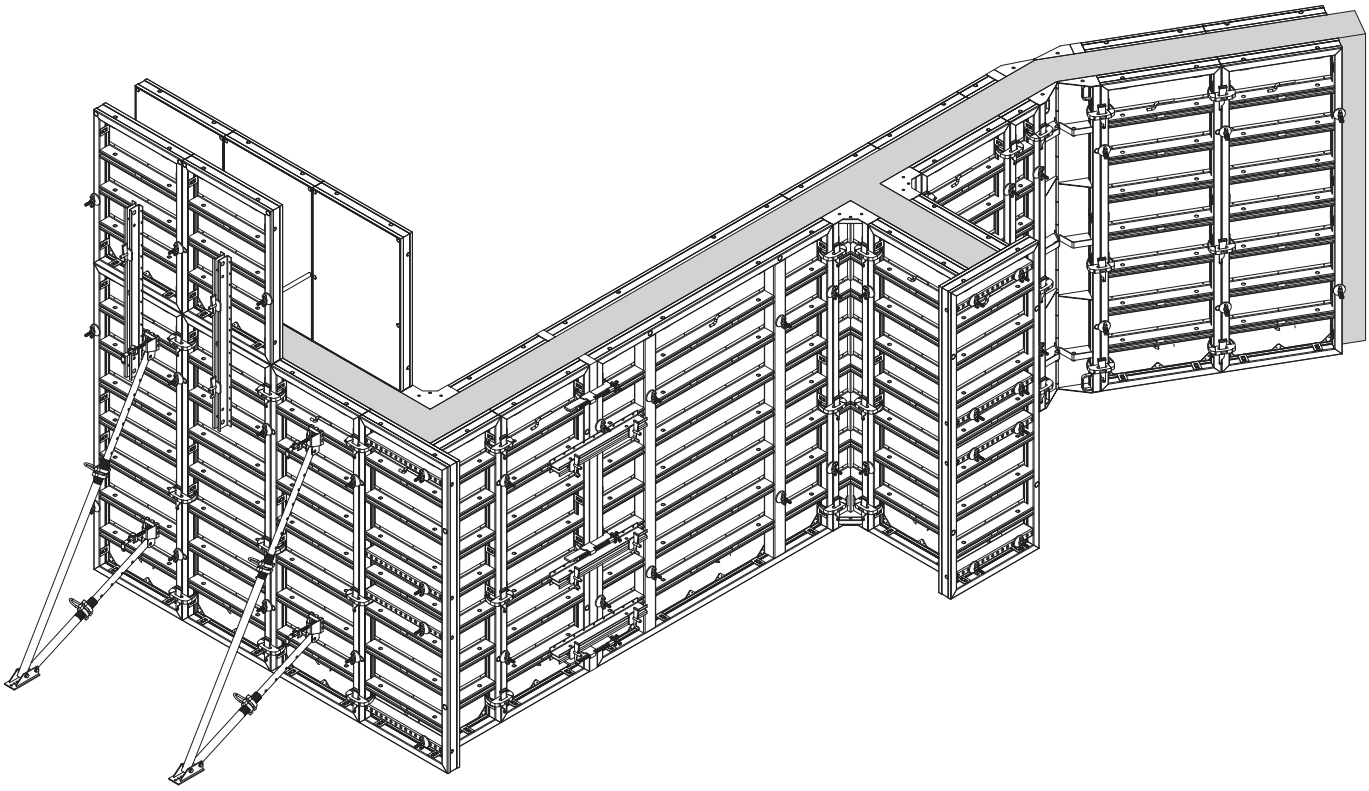
The Ultimate Panel Formwork System for All Construction Site Needs

S-Max panel formwork is the complete solution that perfectly caters to your requirements on any construction site. With its exceptional safety features and practical working accessories, it offers a swift and cost-effective solution for formwork projects, particularly those involving large areas.

The innovative panel-size grid, featuring five different widths and three different heights of panels, including an extra-large option, ensures unparalleled adaptability to suit all construction-site situations. Whether you're working on expansive walls, columns, circular formwork, or foundations, S-Max is the ideal choice.

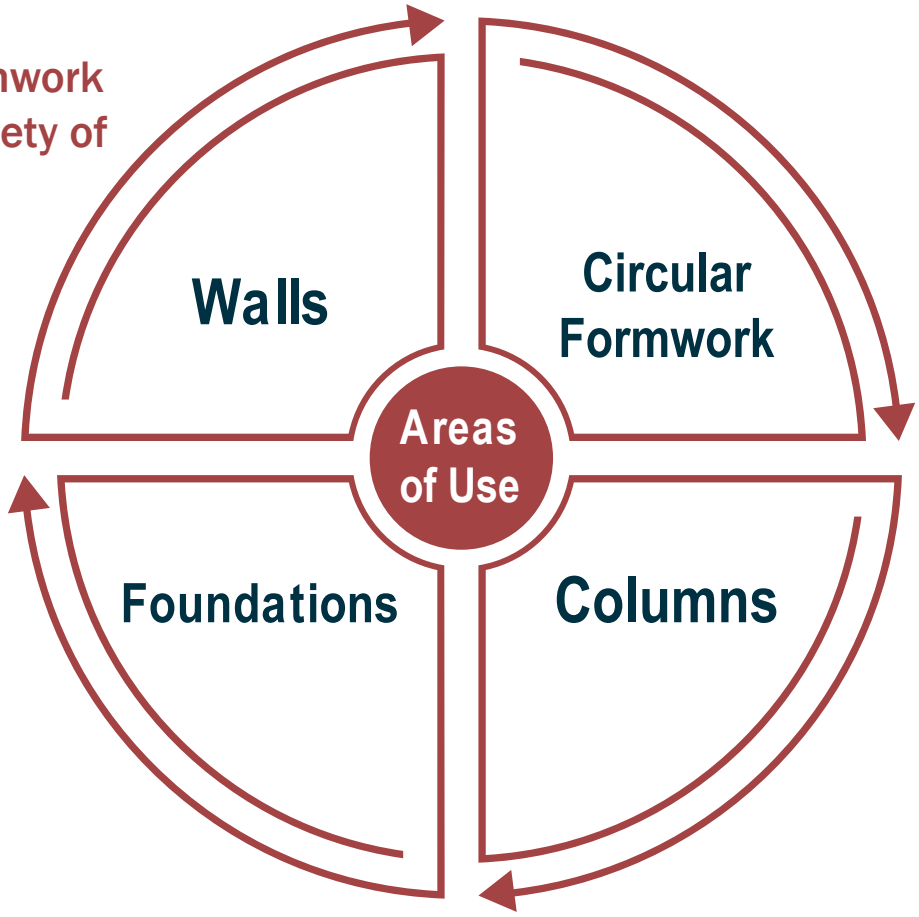


S-Max panel formwork is a comprehensive system equipped with excellent safety features and workplace accessories. This system provides everything you need to efficiently and swiftly tackle your forming tasks. By employing a minimal variety of panel sizes, the system achieves a consistent 15cm increment grid. The connecting devices and accessories are specifically designed to align with this grid, ensuring seamless integration. The quality plywood sheets are built to endure intensive re-use, consistently delivering exceptional concrete results.

The high-performance formwork designed for forming a variety of vertical concrete elements

The versatility of S-Max panel formwork makes it an ideal choice for various applications, including large-area walls, columns, circular formwork, and foundations. With a range of practical accessories, the system streamlines on-site work, eliminating the need for expensive improvisations. Furthermore, S-Max panel formwork seamlessly integrates with the S-Max Aluminium framed formwork. Both systems utilize interchangeable linking parts and accessories, providing utmost compatibility.

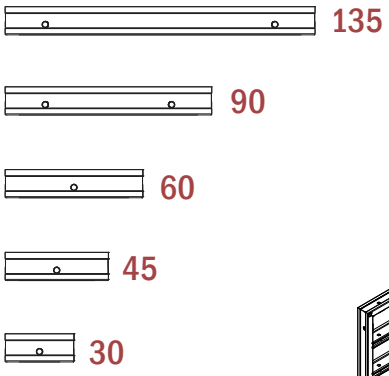
With the steel version of the system, you can efficiently form extensive areas using crane-shifted gangs. Subsequently, you can seamlessly transition to forming manually with aluminium frames, without the need to wait for the crane.

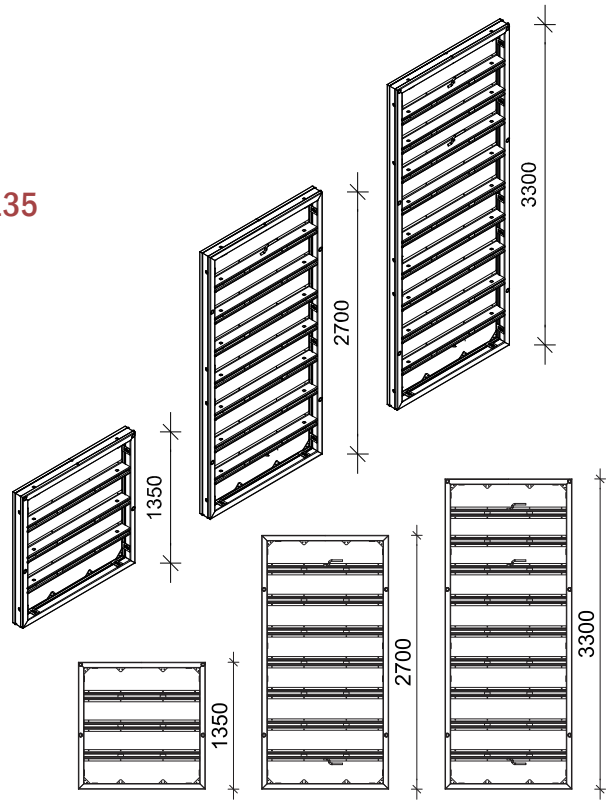


The logical system grid

S-Max Standard panels: Panel widths and heights

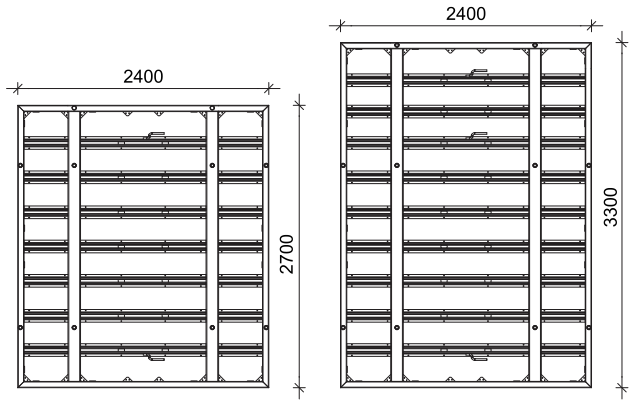
The combination of heights and widths in the S-Max panels creates a practical and beneficial grid system, enhancing the formwork's adaptability and cost effectiveness. You only require 5 different widths and 3 varying heights of panels, including 2 extra-large panels, to effectively accommodate any architectural layout. Adjustments in height and width can be easily achieved through 15cm increments, adding to the convenience of the system.

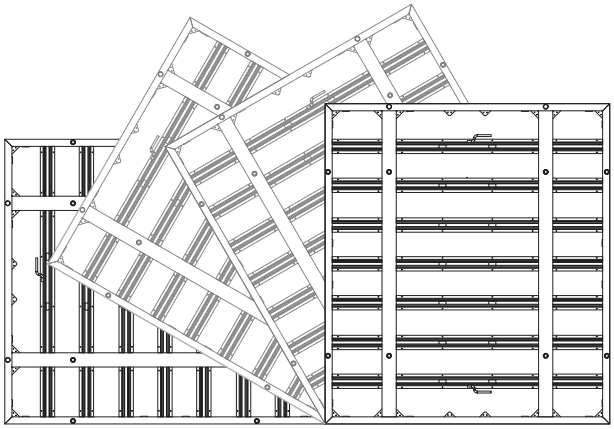


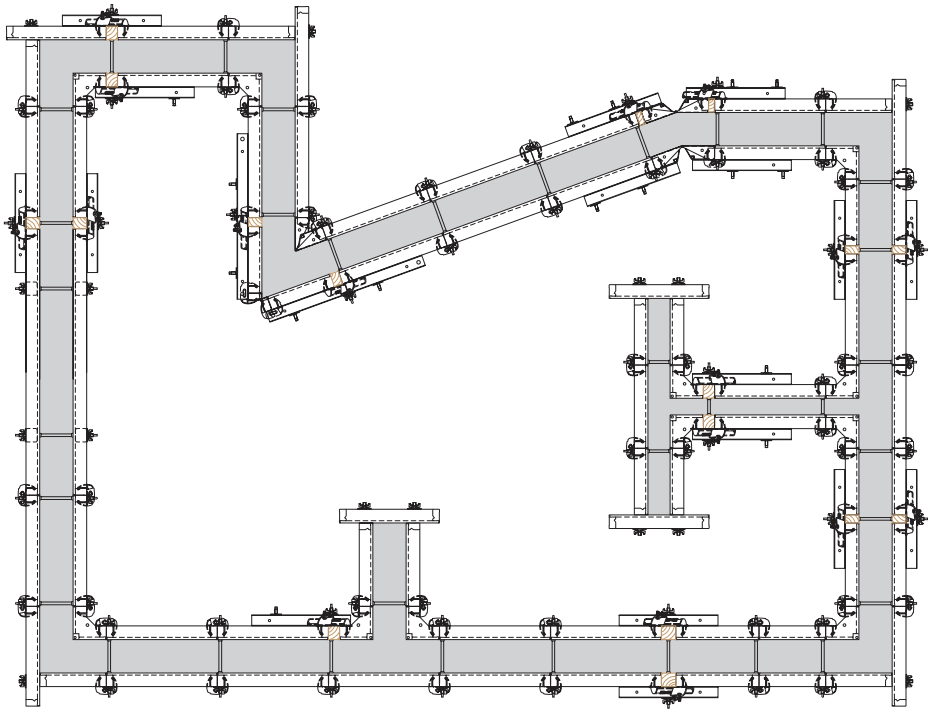


S-Max Large Area panels: Panel widths and heights (cm)

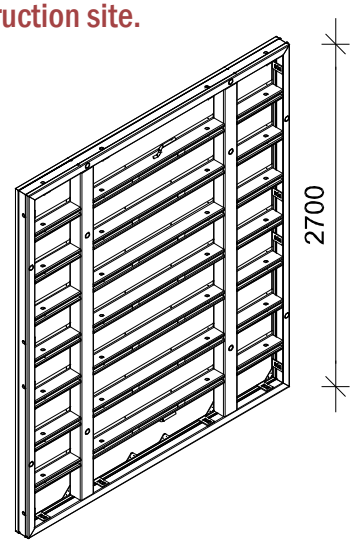
S-Max large panel for large-area formwork units.
Integrates two heights and two widths :
When upright - height 2.70m, width 2.40m & height 3.30m, width 2.40m
When on side - height 2.40m, width 2.70m & height 2.40m, width 3.30m





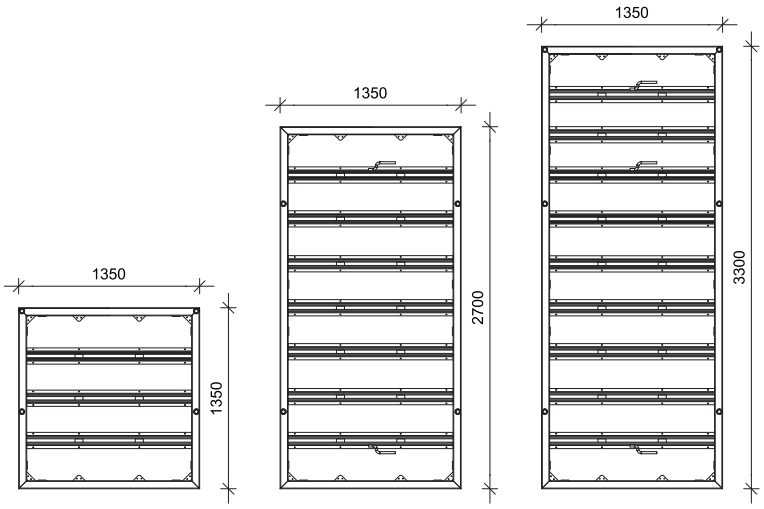


A variety of panel dimensions, coupled with a full range of accessories, ensure versatile usage on construction site.

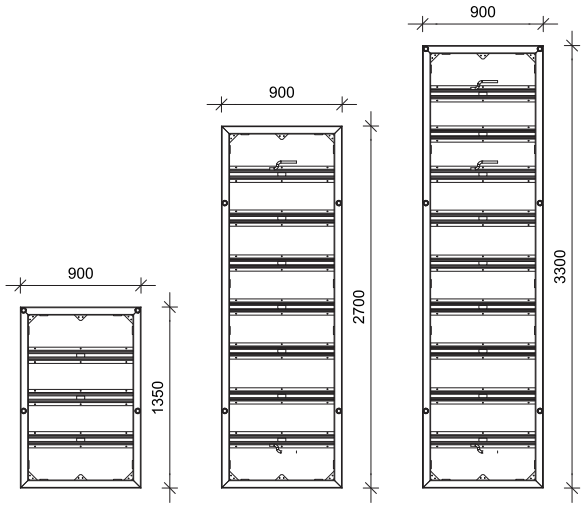


S-Max Panel Familes

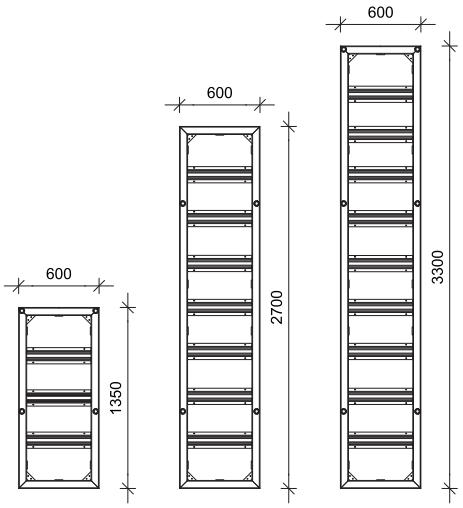
To meet the specific demands of construction sites, we can tailor and customize panel sizes as needed. This flexibility ensures that any required panel size can be manufactured to address the unique requirements of construction projects. Whether larger or smaller panels are necessary, our production capabilities are adaptable to provide the ideal solutions for construction site specifications.



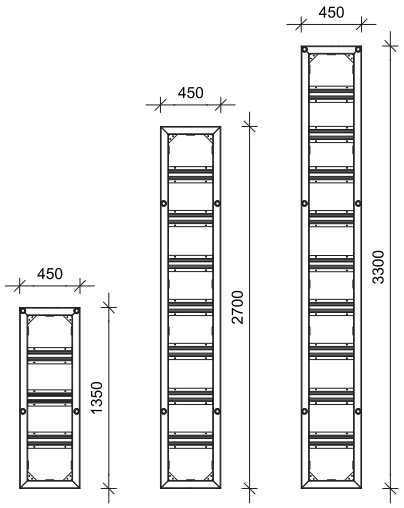
1350mm Family



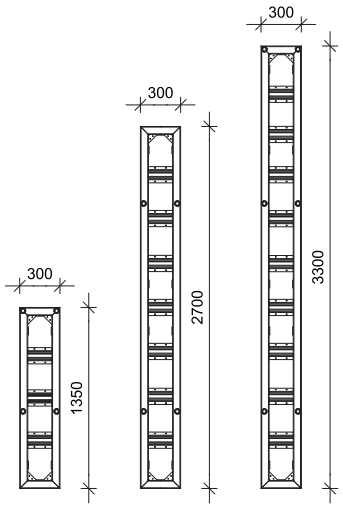
900mm Family



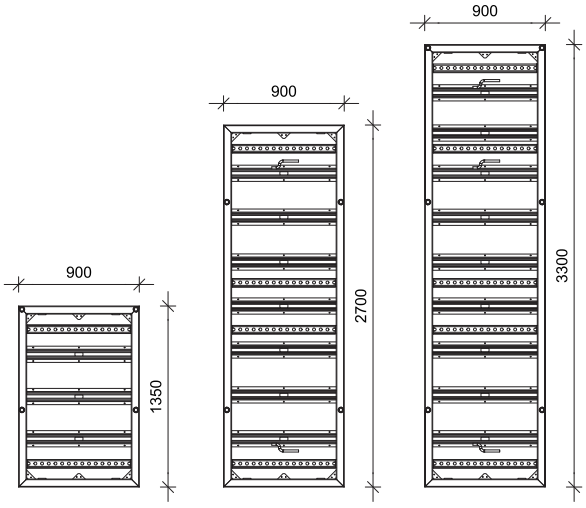
600mm Family



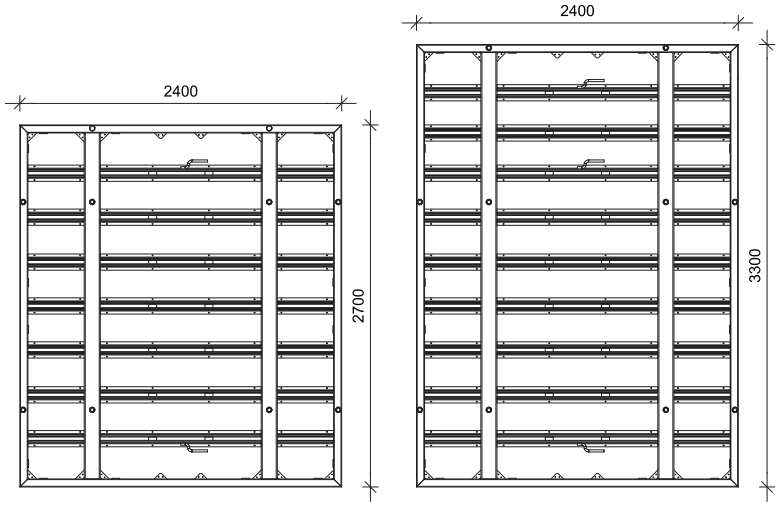
450mm Family



300mm Family



Universal Panels Family



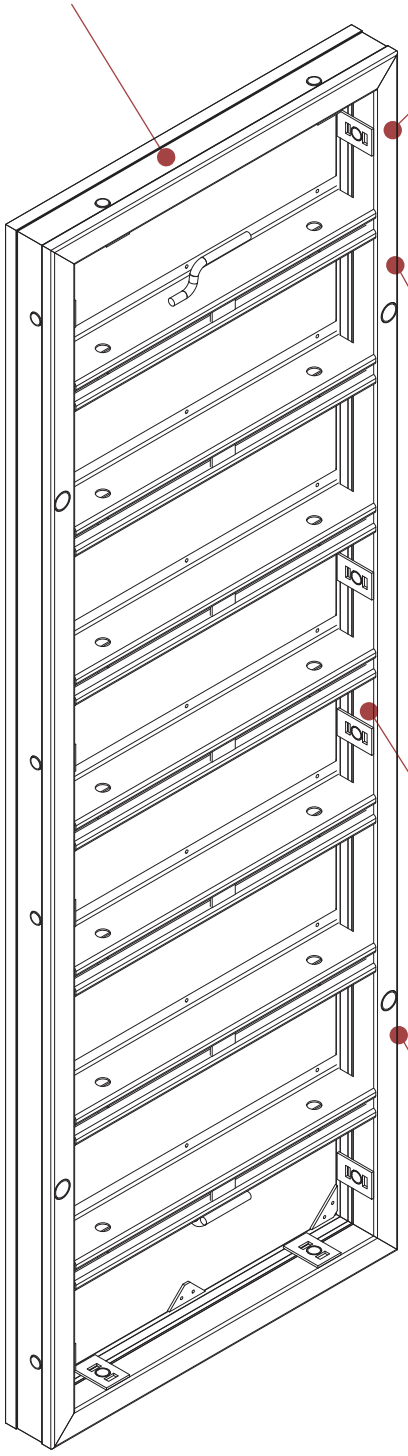
Large Area Panels Family

S-Max Panels - Features and Details

Offering unparalleled flexibility on-site, S-Max panels come in 5 distinct widths and 3 different heights, enabling diverse forming possibilities. By embracing the S-Max exceptional features, you can leverage unparalleled adaptability, durability, and efficiency for your formwork needs.

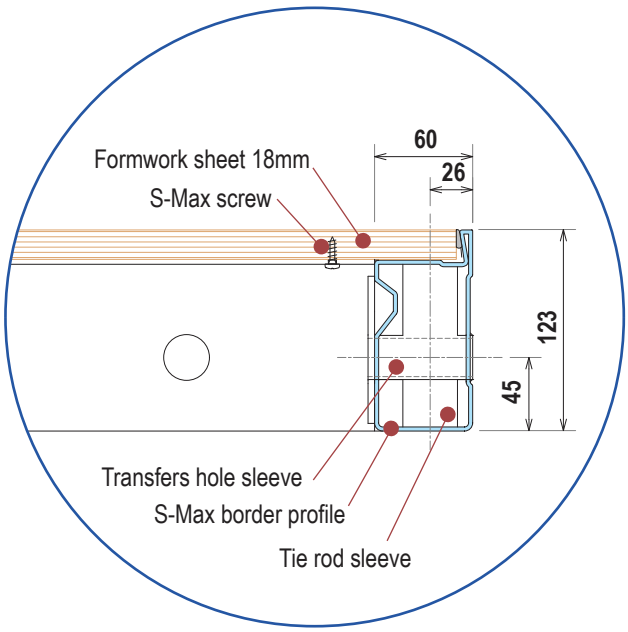
Specially Designed Crane Hook Attachment

Safely and efficiently handle panels using the purpose-designed crane hook, which effortlessly attaches to the panel edge members, promoting secure and effective handling practices.



S-Max Border Profile

The panel's border profile consists of closed rolled hollow profiles. These profiles provide robust protection for the 18mm thickness quality plywood or phenolic coated, or plastic composite sheet that's seamlessly integrated into the panel. The composite sheet is riveted securely from the face side.



Galvanized Panel Frames

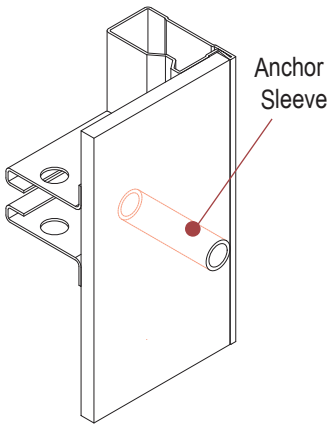
To ensure long-lasting usage without corrosion, each frame undergoes a hot-dipped galvanization procedure, significantly prolonging the lifespan of the panel. Additionally, powder coating or painted finishes are alternative choices available for the S-Max panels.

Efficient Connection Components

S-Max system is engineered for quick and adaptable assembly, thanks to an efficient arrangement of connecting parts. S-Max accepts many of the available accessories in the market ensuring seamless compatibility.

Tie System

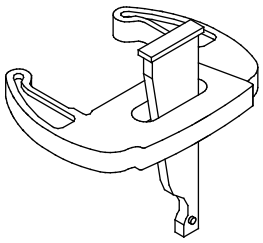
Opt for 15mm or 20mm combination tie systems. With this feature, large panels can be used to handle lateral pressure up to 80kN/m^2 and can be adapted to meet a variety of requirements.

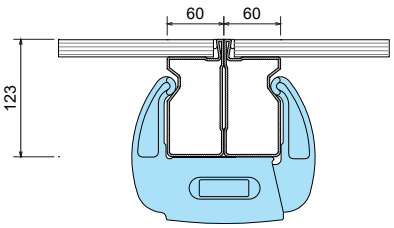


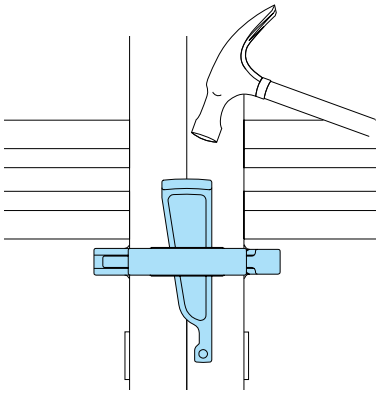
Panel connections

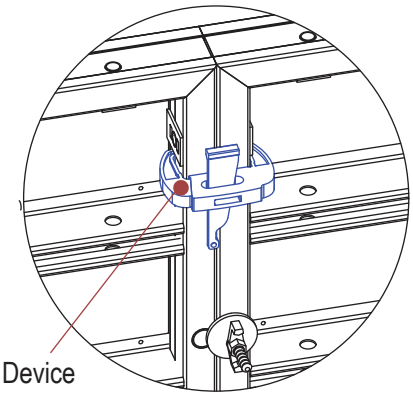
Simple panel connections

with the S-Max Clamp Device



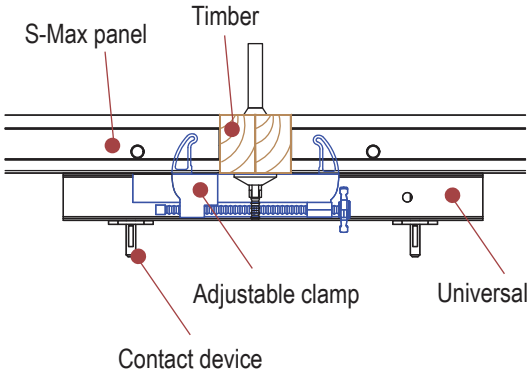




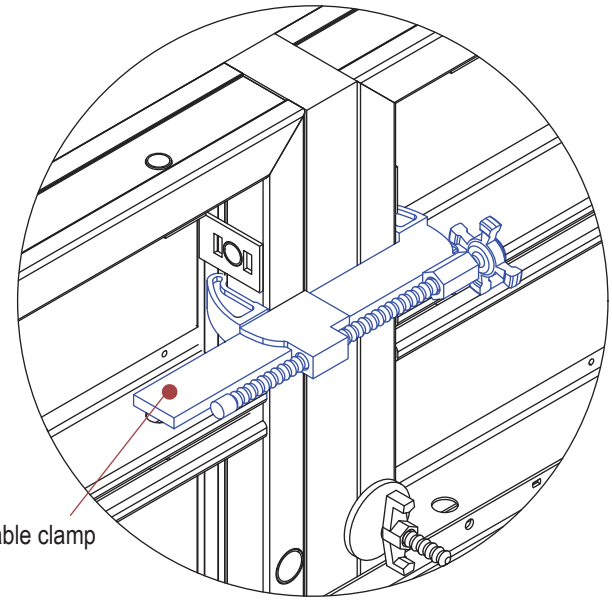


Clamp Device

Closures: 0-20cm



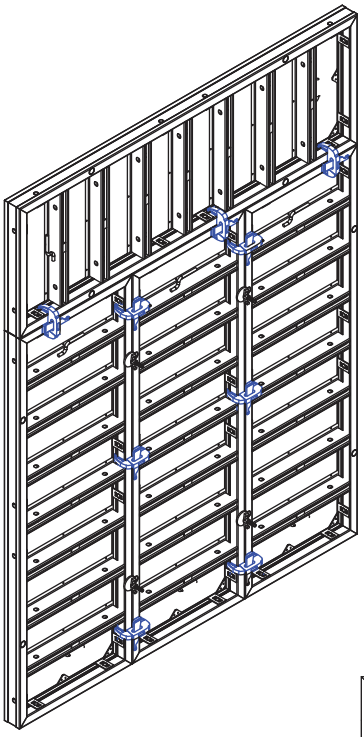
S-Max Adjustable Clamp



Adjustable clamp

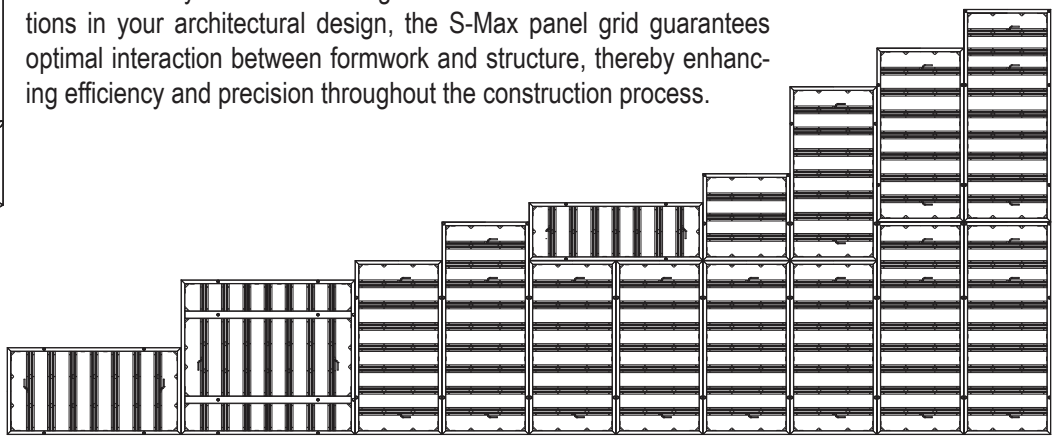
To provide a diverse range of wall lengths, the S-Max system offers an effective solution for constructing timber closures. By utilizing rectangular timber and plywood, S-Max enables the effortless formation of closures tailored to specific requirements. This versatile approach proves particularly effective for closures providing a reliable and efficient means of adapting to various wall dimensions with precision and ease.

System adaptability



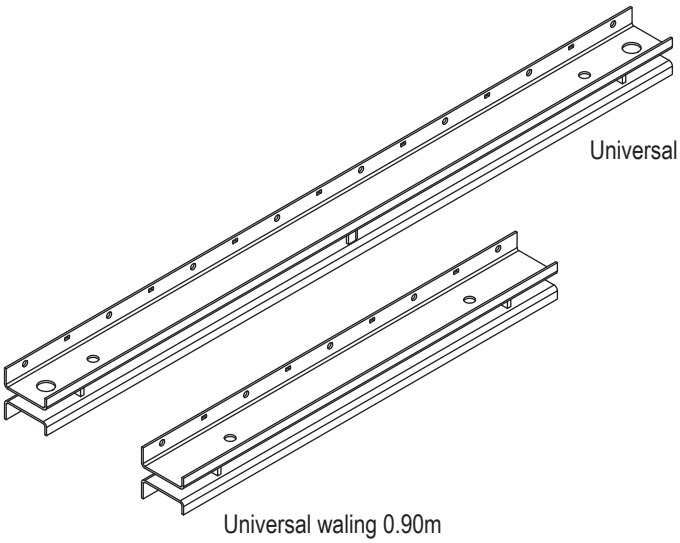
S-Max offers an exceptional panel grid that opens the door to an extensive array of combinations, available in both width and height variations. This ingenious system offers you the freedom to employ the panels in either an upright or sideways orientation, allowing you to cater to diverse construction needs.

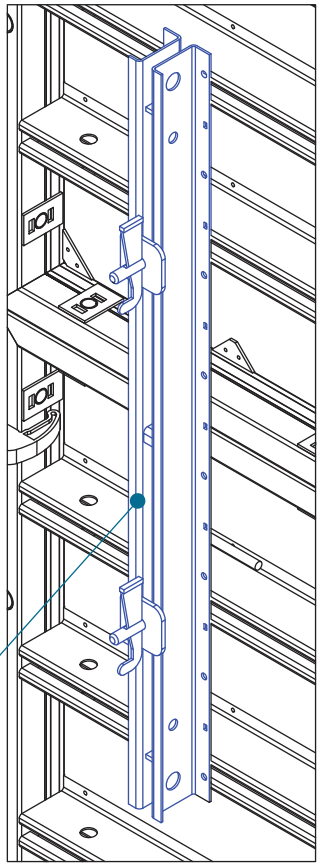
At the heart of this system is the thoughtfully designed 15cm grid pattern, which serves as the cornerstone of its adaptability. This meticulously planned grid ensures that you achieve the utmost flexibility when it comes to adjusting the formwork to seamlessly align with the dimensions of your structure. Regardless of the intricacies and variations in your architectural design, the S-Max panel grid guarantees optimal interaction between formwork and structure, thereby enhancing efficiency and precision throughout the construction process.



Incorporating extra universal walings enhances the structural integrity of multi-panel configurations, particularly when stacked to greater heights. This enhancement proves particularly advantageous when using cranes to maneuver substantial multi-panel assemblies with ease.

On closure, these supplementary universal walings also play a crucial role in redistributing loads. When the forms are being secured, the universal walings effectively align the multi-panel structures, facilitating the seamless transfer of form-tie forces to the S-Max panels.

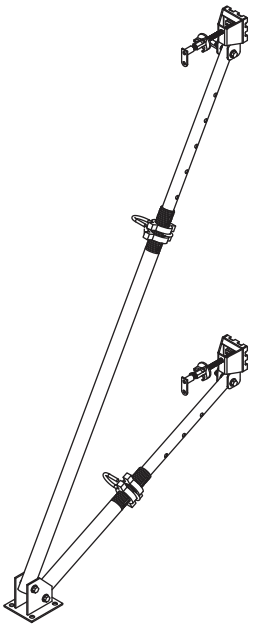


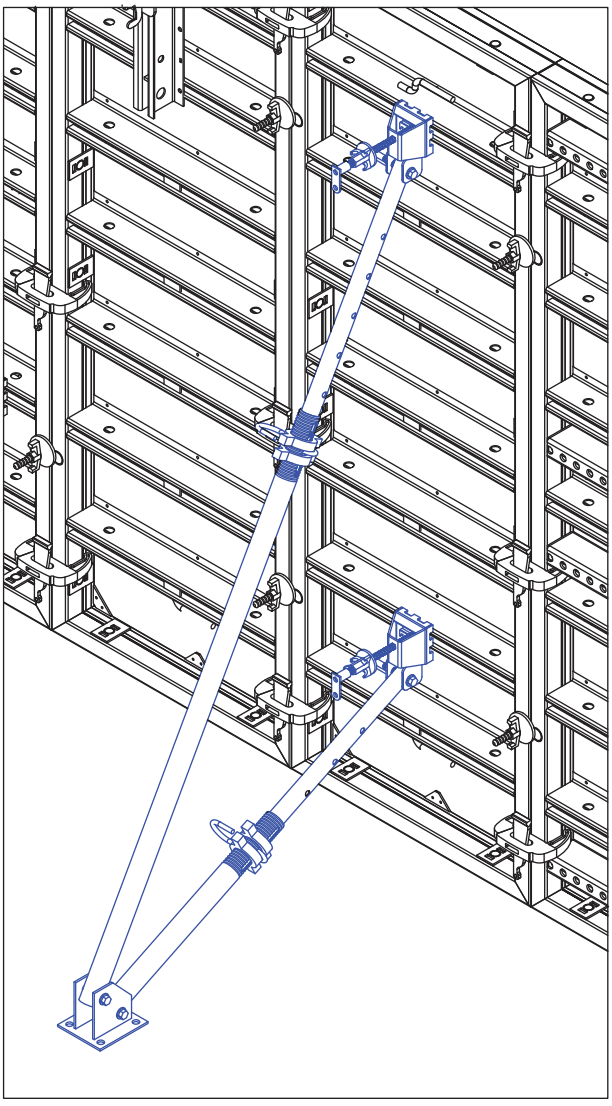


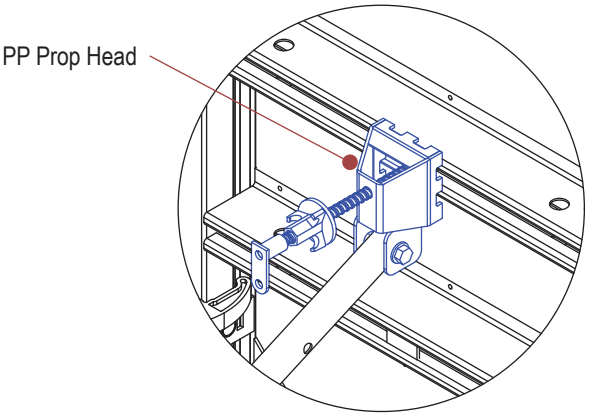
S-Max Plumbing Accessories

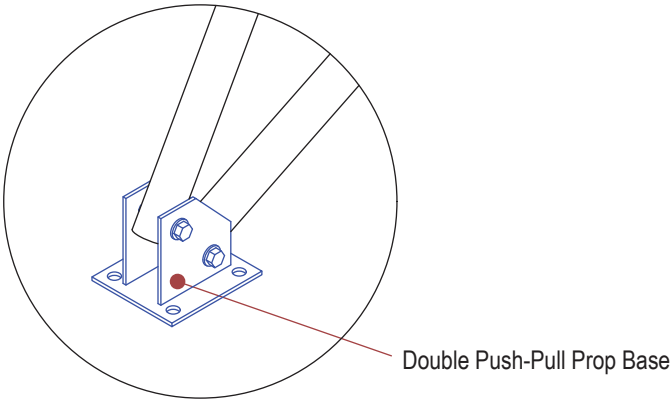
Double push-pull props play a pivotal role in maintaining the steadfast stability of panels when positioned in an upright orientation. These crucial structural elements not only contribute to upholding the panels' balance but also serve to simplify and enhance the process of aligning and adjusting the formwork for plumbing purposes.

By providing robust support and reinforcement, Push-Pull props prevent any unintended movement or swaying of the panels, ensuring that they remain securely fixed in their vertical configuration. This heightened stability is especially significant during construction projects where precision and reliability are paramount.



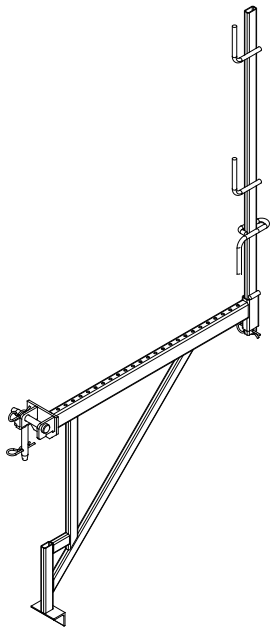






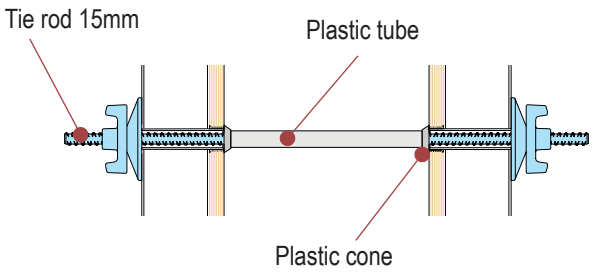
S-Max Access Bracket

Introducing the Access Bracket, a versatile solution for constructing pouring platforms. This innovative bracket enables the effortless manual assembly of these pouring platforms, simplifying the installation process. The Access Bracket is suitable for constructing a platform with a width of 90cm.

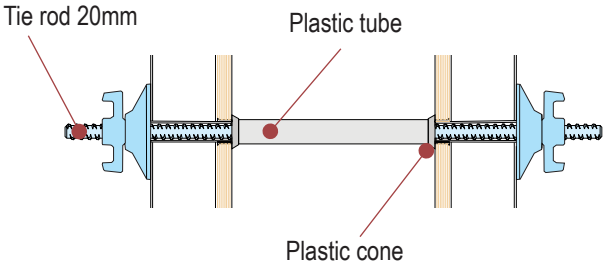


S-Max Formwork Tie System

15mm



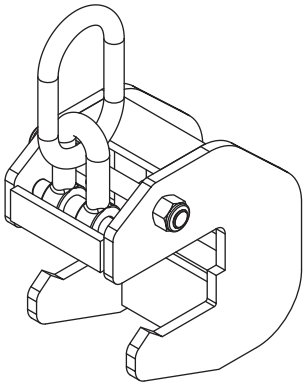
20mm

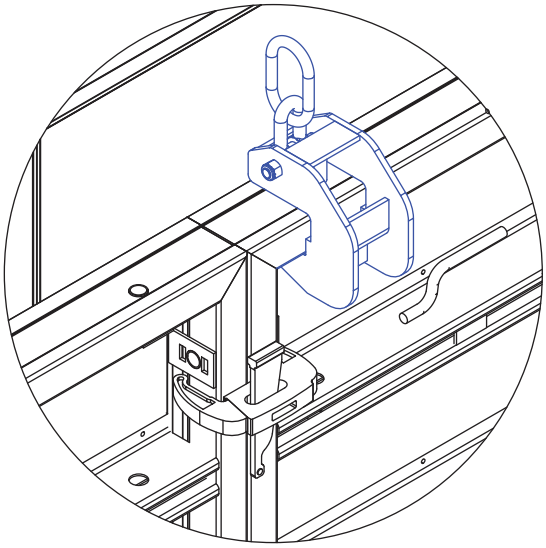


For high formwork pressures of up to 80kN/m², use the form tie system 20mm

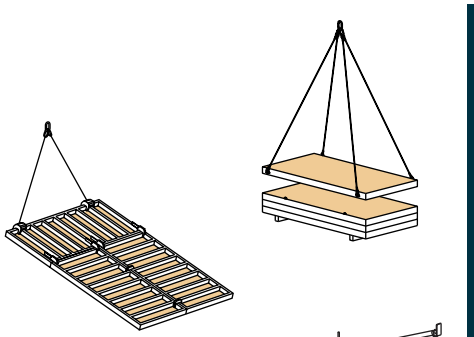
Moving by crane

Utilizing the lifting hook enables secure relocation of sizable gang-forms via crane. Once suspended, the lifting hook engages its automatic locking mechanism. The hook should be attached to suitable lifting ropes, ensuring a middle angle of no more than 60°. Each lifting hook is rated for a maximum load of 1000 Kg. For optimal positioning, place the lifting hook in proximity to the frame stiffenings.



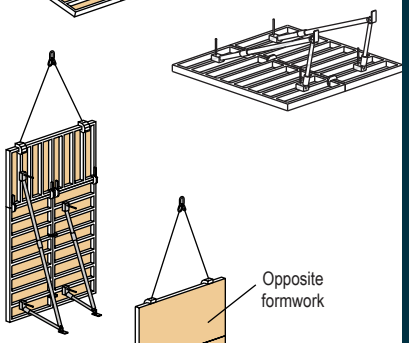


Method Statement - Construction Procedure of the S-Max Formwork



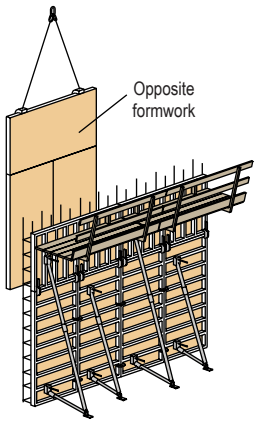
1. Panel Transport and Handling:

- Unload panels from the truck carefully to avoid damage.
- Use a certified lifting chain for lifting one panel at a time, ensuring safety and load stability.
- Large multi-panel configurations can be pre-assembled in a horizontal position on a level surface, utilizing S-Max connecting components for seamless integration.



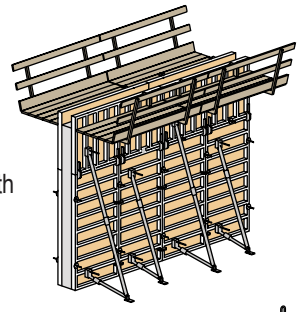
2. Formwork Assembly:

- Spray release agent on the formwork sheathing uniformly for easy demolding.
- Attach the crane suspension tackle to the S-Max lifting hook (Max. load capacity =1000kg per hook).
- Lift the formwork unit using the crane and position it accurately at the designated location.
- Clamp the push-pull props to the formwork unit securely while it is held by the crane.
- Fix the push-pull props to the ground to stabilize the formwork against wind forces and release the crane for other tasks. Plumb the formwork unit without crane assistance.
- Align and link panel assemblies systematically.
- Install pouring platforms and guardrails for safety.



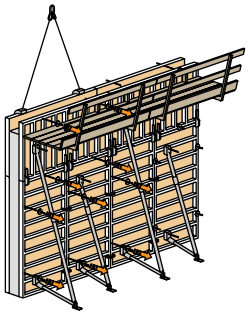
3. Erecting the Opposite Formwork Unit:

- After placing reinforcement, close the formwork.
- Apply release agent to the opposite formwork unit and relocate it using the crane to the required location.
- Fit form-ties before disconnecting from the crane.
- If the opposite formwork lacks push-pull props, do not disconnect the formwork from the crane until an adequate number of formwork ties have been installed to stabilize the entire formwork assembly.
- Install the remaining form-ties.



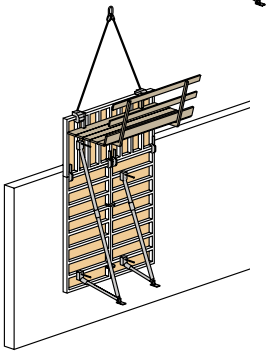
4. Pouring Concrete:

- Pour concrete within the maximum permissible rate of placing to ensure structural stability.
- Use vibrators moderately, coordinating their usage time and location carefully to comply with standards.
- Compaction of concrete by vibration must adhere to relevant standards.
- Immediately after pouring, clean the rear wall of the formwork with water.



5. Striking and Moving Formwork to the Next Location:

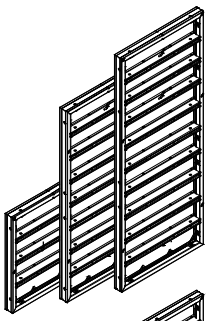
- Adhere to minimum striking times specified by the structural engineer.
- Remove loose items from the formwork and platforms.
- Attach the opposite formwork unit to the crane before removing form-ties and undoing panel clamps that connecting panels.
- To expedite crane operations, pre-remove most form-ties, ensuring sufficient ties remain to prevent formwork instability.
- When stripping the formwork, avoid using the crane to break cohesion between concrete and formwork, as this could lead to a risk of crane overload. Instead, utilize appropriate tools such as timber wedges or a special pry-bar to detach the formwork from the concrete.
- Hoist the formwork unit and either store it temporarily or lift it to its next location.
- Clean residual concrete off the formwork sheathing for reuse.



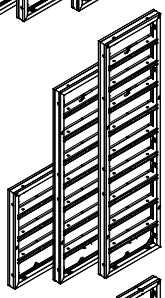
6. Lifting Formwork Unit with Push-Pull Props and Access Bracket:

- Suspend the form (with push-pull props and access bracket attached) from the crane before undoing ground anchor points of the push-pull props, ensuring safety and stability during lifting operations.

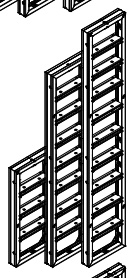
S-Max Panels



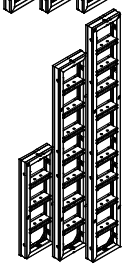
	Wt. (kg)	Code
S-Max Panel 3300 x 1350	211.43	FSCPHPLS3300135A
S-Max Panel 2700 x 1350	173.25	FSCPHPLS2700135A
S-Max Panel 1350 x 1350	92.99	FSCPHPLS1350135A



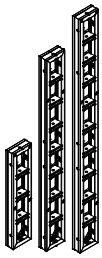
S-Max Panel 3300 x 900	157.48	FSCPHPLS3300090A
S-Max Panel 2700 x 900	128.98	FSCPHPLS2700090A
S-Max Panel 1350 x 900	68.75	FSCPHPLS1350090A



S-Max Panel 3300 x 600	109.21	FSCPHPLS3300060A
S-Max Panel 2700 x 600	89.25	FSCPHPLS2700060A
S-Max Panel 1350 x 600	46.96	FSCPHPLS1350060A



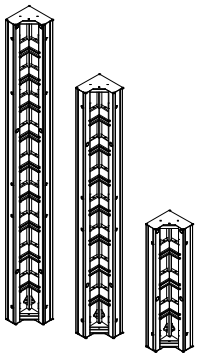
S-Max Panel 3300 x 450	92.02	FSCPHPLS3300045A
S-Max Panel 2700 x 450	75.10	FSCPHPLS2700045A
S-Max Panel 1350 x 450	39.38	FSCPHPLS1350045A



S-Max Panel 3300 x 300	74.80	FSCPHPLS3300030A
S-Max Panel 2700 x 300	61.16	FSCPHPLS2700030A
S-Max Panel 1350 x 300	31.92	FSCPHPLS1350030A

Galvanised and powder-coated
Overall depth: 12.3cm

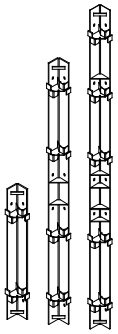
S-Max Inside Corner



S-Max Inside Corner 3300	113.07	FSCPICAS0600330A
S-Max Inside Corner 2700	92.44	FSCPICAS0600270A
S-Max Inside Corner 1350	48.65	FSCPICAS0600135A

Powder-coated, blue
Edge-to-corner
dimension: 30cm

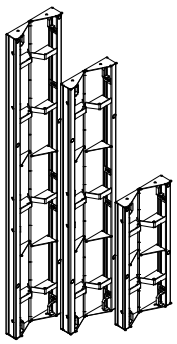
S-Max Outside Corners



	Wt. (kg)	Code
S-Max Outside Corner 3300	57.87	FSCPOCRSXXX0330A
S-Max Outside Corner 2700	46.51	FSCPOCRSXXX0270A
S-Max Outside Corner 1350	23.06	FSCPOCRSXXX0135A

Galvanised
Edge-to-corner
dimension: 15cm

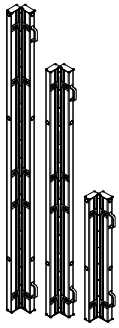
S-Max Hinged Inside Corners



Hinged Inside Corners 3300	139.71	FSCPHICS0580330A
Hinged Inside Corners 2700	114.51	FSCPHICS0580270A
Hinged Inside Corners 1350	61.77	FSCPHICS0580135A

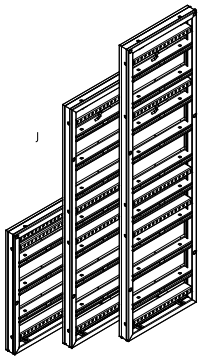
Powder-coated, blue
Edge-to-corner
dimension: 30cm

S-Max Hinged Outside Corners



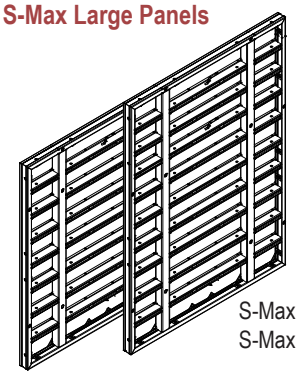
Hinged Outside Corners 3300	78.69	FSCPHOCSXXX0330A
Hinged Outside Corners 2700	64.22	FSCPHOCSXXX0270A
Hinged Outside Corners 1350	33.61	FSCPHOCSXXX0135A

S-Max Universal Panels

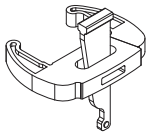
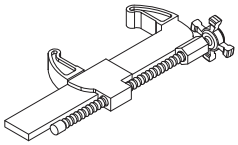
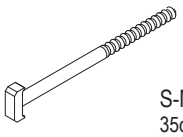
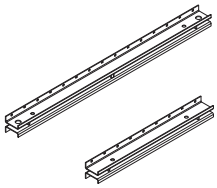
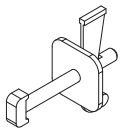
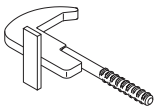


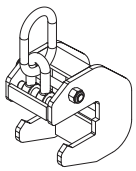
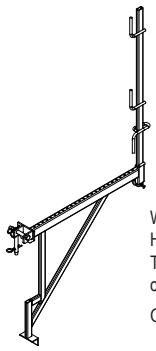
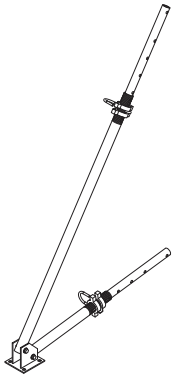
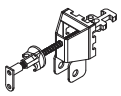
Universal Panel 3300 x 900	197.07	FSCPUPLS1350330A
Universal Panel 2700 x 900	160.66	FSCPUPLS0900330A
Universal Panel 1350 x 900	84.58	FSCPUPLS0750330A

S-Max Large Panels



S-Max Panel 3300 x 2400	415.07	FSCPLPLS2400330A
S-Max Panel 2700 x 2400	340.81	FSCPLPLS2400270A

	Wt. (kg)	Code
S-Max Clamp Device	3.50	FTRGCDVPFHDXXXXA
 Galvanised		
S-Max Adjustable Clamp	5.75	FTRGCADPFHDXXXXA
 Galvanised		
S-Max T-Bolts		
S-Max T-Bolt 26cm	0.65	FTRGGCSPF1016XXA
 S-Max T-Bolt 35cm	0.75	FTRGGCSPF1025XXA
Galvanised		
S-Max Universal Walings		
 S-Max Uni. Walings 0.90m	10.60	FCFPGPLS090XXXXA
S-Max Uni. Walings 1.50m	16.80	FCFPGPLS150XXXXA
Painted blue		
S-Max Corner Waling	13.00	XXX
 Painted blue		
S-Max Contact Device	1.45	XXX
 Galvanised		
S-Max End Tie	1.60	XXX
 Galvanised		
Hexagon nut 15	0.23	XXX
 Galvanised		
S-Max Plate 15	0.80	XXX
 Galvanised		
Anchor plate 15	1.10	XXX
 Galvanised		

	Wt. (kg)	Code
S-Max Lifting Hook	11.00	FCFPLFBSXXXXXXAA
 Max. load: 1000 kg per lifting hook Galvanised		
S-Max Access Bracket		
	13.50	FCFEWBRSXXXXXXXA
Width: 103cm Height: 185cm The Access Bracket is suitable for constructing a platform with a width of 90cm. Galvanised		
Double Push-Pull Prop		
 Double Push-Pull Prop 350	31.00	FCFEWBRSXXXXXXXA
Double Push-Pull Prop 600	51.00	FCFGPST540SXXXXB
PP Prop Head	3.00	XXX
		

Notes:

Notes:

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